



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2328 North 6th 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.: 14-200-042.2328
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

April 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.....7

VIII. Laboratory Results11

IX. HMG Certifications12

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 2328 North 6th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, caulk, flue packing, asphalt roofing, floor tile, linoleum, 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 March 28, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for fire training, located at 2328 North 6th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

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.
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, caulk, flue packing, asphalt roofing, floor tile, linoleum, 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	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – on north window – caulk	Negative	N/A	MCLK
5	Exterior – on south window – caulk	Negative	N/A	MCLK
6	Exterior – on west window – caulk	Negative	N/A	MCLK
7	Roof – top layer north side – gray and black asphalt shingle	Negative	N/A	MRSyK
8	Roof – top layer north side – gray and black asphalt shingle	Negative	N/A	MRSyK
9	Roof – top layer south side – gray and black asphalt shingle	Negative	N/A	MRSyK
10	Roof – bottom layer north side – red asphalt shingle	Negative	N/A	MRSr
11	Roof – bottom layer north side – red asphalt shingle	Negative	N/A	MRSr
12	Roof – bottom layer south side – red asphalt shingle	Negative	N/A	MRSr
13	Basement – on chimney – flue packing	Negative	N/A	TFP
14	2 nd floor – kitchen – west wall – plaster	Negative	N/A	SPI
15a	2 nd floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
15b	2 nd floor – living room – south wall – plaster base coat	Negative	N/A	SPI
16a	2 nd floor – rear stair – east wall – plaster skim coat	Negative	N/A	SPI
16b	2 nd floor – rear stair – east wall – plaster base coat	Negative	N/A	SPI
17a	1 st floor – southwest bedroom – south wall – plaster skim coat	Negative	N/A	SPI
17b	1 st floor – southwest bedroom – south wall – plaster base coat	Negative	N/A	SPI
18a	1 st floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
18b	1 st floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
19a	2 nd floor – dining room – west wall – texture top layer	Negative	N/A	STX

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19b	2 nd floor – dining room – west wall – texture bottom layer	Negative	N/A	STX
20a	2 nd floor – living room – east wall – texture top layer	Negative	N/A	STX
20b	2 nd floor – living room – east wall – texture bottom layer	Negative	N/A	STX
21a	2 nd floor – kitchen – south wall – texture top layer	Negative	N/A	STX
21b	2 nd floor – kitchen – south wall – texture bottom layer	Negative	N/A	STX
22a	1 st floor – dining room – north wall – texture top layer	Negative	N/A	STX
22b	1 st floor – dining room – north wall – texture bottom layer	Negative	N/A	STX
23a	1 st floor – front entry – south wall – texture top layer	Negative	N/A	STX
23b	1 st floor – front entry – south wall – texture bottom layer	Negative	N/A	STX
24	2 nd floor – kitchen north side– 12” tan floor tile	Negative	N/A	MF12t
25	2 nd floor – kitchen south side – 12” tan floor tile	Negative	N/A	MF12t
26	1 st floor – kitchen – 12” tan floor tile	Negative	N/A	MF12t
27	2 nd floor – bathroom – 12” gray floor tile	Negative	N/A	MF12y
28	2 nd floor – rear stair – brown linoleum	Negative	N/A	MFLn
29	2 nd floor – bathroom – under floor tile and plywood – white linoleum	Negative	N/A	MFLw
30a	2 nd floor – living room – west wall – joint compound	Negative	N/A	MDW
30b	2 nd floor – living room – west wall – drywall	Negative	N/A	MDW
31a	2 nd floor – living room – south wall – joint compound	Negative	N/A	MDW
31b	2 nd floor – living room – south wall – drywall	Negative	N/A	MDW
32	1 st floor – living room – north wall – drywall	Negative	N/A	MDW
33	1 st floor – bathroom – 12” light gray floor tile	Negative	N/A	MF12ylight
34	1 st floor – dining room – south window – glazing compound	Negative	N/A	MPG
35	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
36	1 st floor – southeast bedroom – east window – glazing compound	Negative	N/A	MPG
37a	1 st floor – front entry – multicolored linoleum	Negative	N/A	MFLm
37b	1 st floor – front entry – under linoleum – mastic	Negative	N/A	MFLm
38	1 st floor – rear stair – brown and white linoleum	Negative	N/A	MFLnw
39	1 st floor – front entry – under linoleum – 12” gray and tan floor tile	Negative	N/A	MF12y

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

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MCLK	Caulk
MRSyk	Gray & Black Asphalt Shingle
MRSr	Red Asphalt Shingle
MDW	Drywall/Joint Compound
MF12t	12" Tan Floor Tile
MF12y	12" Gray Floor Tile
MF12yw	12" Gray & White Floor Tile
MF12ylight	12" Light Gray Floor Tile
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MFLm	Multicolored Linoleum
MFLnw	Brown & White Linoleum
MPG	Glazing Compound
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233773	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2328

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 95	Binder
002	2	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 95	Binder
003	3	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 95	Binder
004	4	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
005	5	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
006	6	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
007	7	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar

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
008	8	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
009	9	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
010	10	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
011	11	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
012	12	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
013	13	Homogeneous	Gray Insulation	Asbestos Not Present	Wollastonite 20	CaCO3
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 04/08/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2328

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

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Texture	Asbestos Not Present	Talc 3	CaCO3 Paint
020	20	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	White Texture	Asbestos Not Present	Talc <1	CaCO3 Paint
021	21	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Texture	Asbestos Not Present	Talc 2	CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Texture	Asbestos Not Present	Talc <1	CaCO3 Paint
023	23	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint
024	24	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
025	25	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
026	26	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
028	28	Homogeneous	Tan Flooring	Asbestos Not Present	NA	Vinyl
029	29	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
030	30	Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
031	31	Layered	White Joint Compound	Asbestos Not Present	Cellulose <1	Gypsum CaCO3
031a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
033	33	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
034	34	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
035	35	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
036	36	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
037	37	Layered	Beige Flooring	Asbestos Not Present	NA	Vinyl
037a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Jolene Harena
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2328

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Homogeneous	Beige Flooring	Asbestos Not Present	NA	Vinyl
039	39	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

Gayle Ooten, Analyst

4/8/2014
Date of Report

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 (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: 14-200-042.2328 P.O. Number:	
Report Results (one box) <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other email		For Lab Use Only Lab No. 233773 <input checked="" type="radio"/> Accept <input type="radio"/> Reject	

SAMPLED BY: <i>[Signature]</i>	DATE & TIME 4/1/14 1800	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 4/3/14 1000
---------------------------------------	---------------------------------------	---------------------	--	---------------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	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. <u>233773</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



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>233703</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)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31				
32	32				
33	33				
34	34				
35	35				
36	36				
37	37				
38	38				
39	39				
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

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 INSPECTION REPORT

Job Site:

**Two Family Dwelling
2366 North 9th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2366
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

Handwritten notes:
2/11/14
MJD
2/11/14

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions5

VI. Limitations5

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harena 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 2366 North 9th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, duct paper, stucco, asphalt roofing, flue packing, linoleum, drywall, mastics, 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 March 28, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for fire training, located at 2366 North 9th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

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.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I,

Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, duct paper, stucco, asphalt roofing, flue packing, linoleum, drywall, mastics, 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 – on boots west side – duct paper	Positive 70% Chrysotile	30 Sq. Ft.	TDW
2	Basement – on boots west side – duct paper	Positive 70% Chrysotile	Reference Sample 1	TDW
3	Basement – on boots center – duct paper	Positive 70% Chrysotile	Reference Sample 1	TDW
4a	Exterior – on porch columns – stucco skim coat	Negative	N/A	STC
4b	Exterior – on porch columns – stucco base coat	Negative	N/A	STC
5a	Exterior – on basement north wall – stucco skim coat	Negative	N/A	STC
5b	Exterior – on basement north wall – stucco base coat	Negative	N/A	STC
6	Exterior – on basement west wall – stucco	Negative	N/A	STC
7	Roof – north side – asphalt shingle	Negative	N/A	MRS
8	Roof – south side – asphalt shingle	Negative	N/A	MRS
9	Roof – west side – asphalt shingle	Negative	N/A	MRS
10	Basement – on boots east side – duct paper #2	Positive 50% Chrysotile	20 Sq. Ft.	TDW2
11	Basement – on boots east side – duct paper #2	Positive 50% Chrysotile	Reference Sample 10	TDW2
12	Basement – on boots east side – duct paper #2	Positive 50% Chrysotile	Reference Sample 10	TDW2
13a	Basement – on chimney top layer – flue packing	Negative	N/A	TFP
13b	Basement – on chimney bottom layer – flue packing	Negative	N/A	TFP
14a	1 st floor – dining room west side – tan and black linoleum	Negative	N/A	MFLtk
14b	1 st floor – dining room west side – under linoleum – mastic	Negative	N/A	MFLtk
15a	1 st floor – dining room east side – tan and black linoleum	Negative	N/A	MFLtk
15b	1 st floor – dining room east side – under linoleum – mastic	Negative	N/A	MFLtk
16a	1 st floor – dining room center – tan and black linoleum	Negative	N/A	MFLtk
16b	1 st floor – dining room center – under linoleum – mastic	Negative	N/A	MFLtk
17	1 st floor – kitchen – west side – green linoleum	Positive 30% Chrysotile	210 Sq. Ft.	MFLg
18	1 st floor – kitchen – center – green linoleum	Positive 30% Chrysotile	Reference Sample 17	MFLg

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19	1 st floor – kitchen – east side – green linoleum	Positive 30% Chrysotile	Reference Sample 17	MFLg
20	1 st floor – bathroom – green and white linoleum	Positive 25% Chrysotile	55 Sq. Ft.	MFLgw
21	Basement – stair landing – gold linoleum	Positive 20% Chrysotile	15 Sq. Ft.	MFLd
22a	1 st floor – front entry – north wall – plaster skim coat	Negative	N/A	SPI
22b	1 st floor – front entry – north wall – plaster base coat	Negative	N/A	SPI
23a	1 st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
23b	1 st floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
24a	Basement – stair – south wall – plaster skim coat	Negative	N/A	SPI
24b	Basement – stair – south wall – plaster base coat	Negative	N/A	SPI
25	2 nd floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
26	2 nd floor – living room – north wall – plaster base coat	Negative	N/A	SPI
27	1 st floor – front entry – ceiling – texture	Negative	N/A	STX
28	1 st floor – dining room – west wall – texture	Negative	N/A	STX
29	2 nd floor – stair – ceiling – texture	Negative	N/A	STX
30a	2 nd floor – stair – stair tread	Negative	N/A	MST
30b	2 nd floor – stair – under stair tread – mastic	Negative	N/A	MST
31	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
32	1 st floor – kitchen – south window – glazing compound	Negative	N/A	MPG
33	2 nd floor – dining room – south window – glazing compound	Negative	N/A	MPG
34	1 st floor – kitchen – west wall – drywall	Negative	N/A	MDW

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

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STC	Stucco
MRS	Asphalt Shingle
MDW	Drywall
MFLtk	Tan & Black Linoleum
MFLg	Green Linoleum
MFLgw	Green & White Linoleum
MFLd	Gold Linoleum
MST	Stair Tread
MPG	Glazing Compound
TDW	Duct Paper
TFP	Flue Packing

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

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

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

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

V. EXCLUSIONS

All floors covered with boxes, furniture, and garbage – floors 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 – 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

* 50 Cans Spray Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 234048	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/10/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Glue
002	2	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Glue
003	3	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Glue
004	4	Layered	Tan Stucco	Asbestos Not Present	NA	Quartz Sand
004a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz Sand
005	5	Layered	Tan Stucco	Asbestos Not Present	NA	Quartz Sand
005a		Layered	Gray Stucco	Asbestos Not Present	NA	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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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	Tan Stucco	Asbestos Not Present	NA	Quartz Sand Paint
007	7	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
008	8	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
009	9	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
010	10	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 45	Binder
011	11	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 45	Binder
012	12	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 45	Binder

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 04/10/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
014	14	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 60	Paint
014a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
015	15	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 60	Paint
015a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
016	16	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 60	Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
017	17	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
018	18	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
019	19	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
020	20	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 4	Vinyl Foam
021	21	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 10	Vinyl Foam
022	22	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3

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
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
024a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
025	25	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
026	26	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 234048	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 04/10/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
028	28	Homogeneous	Tan Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Homogeneous	Tan Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
030	30	Layered	Dark Brown Flooring	Asbestos Not Present	NA	Vinyl
030a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
031	31	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
032	32	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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

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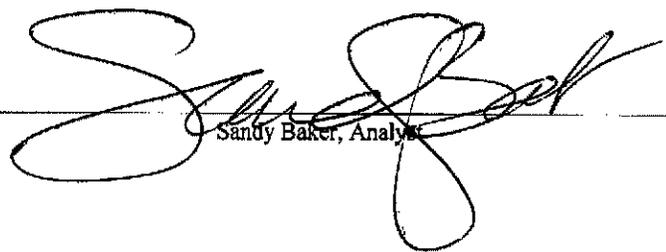


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 234048	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/10/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2366

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
034	34	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint



Sandy Baker, Analyst

4/17/2014
Date of Report

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

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 Lab No. 234048
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

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

Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.2366**
 P.O. Number: _____

RELINQUISHED BY: [Signature] DATE & TIME: 4/9/14 1800 VIA: _____ RECEIVED BY: [Signature] DATE & TIME: 4-10-14 9:45

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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Page 2 of 3
 For Lab Use Only
 Lab No. 234086
 Accept Reject

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



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For Lab Use Only
Lab No. <u>224018</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
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input checked="" type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASSISTANT INSPECTOR

Issued By:

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jandacek

W1316781 Kipling Dr

Madison WI 53180-3401

		160 lbs	5'10"
All-14370	Exp. 12/01/2014	12-12-1963	Male

Training due by: 12/01/2014

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

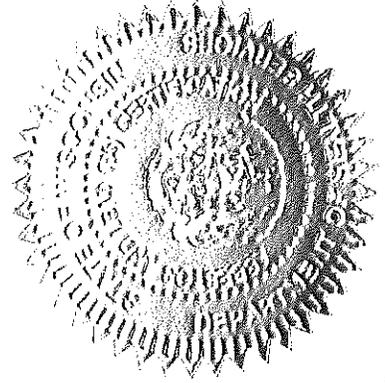
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

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 INSPECTION REPORT

Job Site:

**Two Family Dwelling
1729 South 19th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1729
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 2014

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 1729 South 19th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 21, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1729 South 19th 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, drywall/joint compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – basement level – south wall – stucco	Negative	N/A	STC
2	Exterior – basement level – west wall – stucco	Negative	N/A	STC
3	Exterior – basement level – east wall – stucco	Negative	N/A	STC
4a	1 st floor – living room – south wall – patch layer	Negative	N/A	SPI
4b	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
4c	1 st floor – living room – south wall – plaster base coat	Negative	N/A	SPI
5a	1 st floor – kitchen – north wall – patch layer	Negative	N/A	SPI
5b	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
5c	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
6a	1 st floor – bedroom – east wall – patch layer	Negative	N/A	SPI
6b	1 st floor – bedroom – east wall – plaster skim coat	Negative	N/A	SPI
6c	1 st floor – bedroom – east wall – plaster base coat	Negative	N/A	SPI
7a	2 nd floor – living room – south wall – joint compound	Negative	N/A	MDW
7b	2 nd floor – living room – south wall – drywall	Negative	N/A	MDW
8a	2 nd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
8b	2 nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
9a	Attic – stair – ceiling – joint compound	Negative	N/A	MDW
9b	Attic – stair – ceiling – drywall	Negative	N/A	MDW
10	1 st floor – living room – cream linoleum	Negative	N/A	MFLc

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	600 Sq. Ft.
1 st	Living Room/Kitchen/Bathroom/Entry	Floor Tile & Mastic	350 Sq. Ft.
2 nd	Kitchen/Living Room/Bathroom/Bedroom	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STC	Stucco
MDW	Drywall/Joint Compound
MFLc	Cream Linoleum

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

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

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

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 – 1 Electric Meter on Exterior. 1 Breaker Box 1st Floor Entry

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236057	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1729

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236057

Account Number: B929

Date Received: 05/30/2014

Received By: Joanna Mueller

Date Analyzed: 06/04/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: HA

Project Location: Milwaukee, WI

Project Number: 14-200-042.1729

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
005b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
006	6	Layered	White Texture	Asbestos Not Present	NA	Binder Paint
006a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
006b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum

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Date Received: 05/30/2014

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Date Analyzed: 06/04/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: HA

Project Location: Milwaukee, WI

Project Number: 14-200-042.1729

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
009	9	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
010	10	Composite	Brown Linoleum	Asbestos Not Present	Cellulose	25 Tar Binder

Cristal Veech, Analyst

6/4/2014

Date of Report

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

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For Lab Use Only
 Lab No. 236057
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: HA	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1729	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 5/29/14 1800	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 5-30-14 9:45
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REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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"/>			Do Not Test Mastic

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

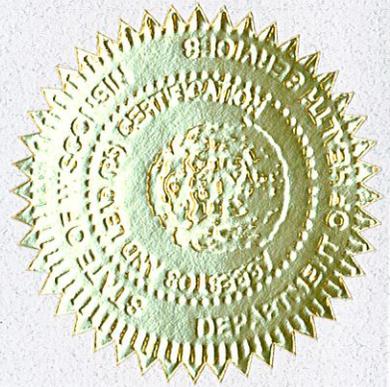
Asbestos Company - Primary

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
2405-07 North 22nd 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.: 14-200-042.2405
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

April 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.....6

VI. Limitations6

VII. Pre-Demolition Environmental Checklist.....7

VIII. Laboratory Results11

IX. HMG Certifications12

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 2405-07 North 22nd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 26, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located 2405-07 North 22nd Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

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.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Roof – north side – green asphalt shingle	Negative	N/A	MRSg
2	Roof – north side – green asphalt shingle	Negative	N/A	MRSg
3	Roof – south side – green asphalt shingle	Negative	N/A	MRSg
4	Exterior – on north wall – mortar	Negative	N/A	MTR
5	Exterior – on west wall – mortar	Negative	N/A	MTR
6	Exterior – on east wall – mortar	Negative	N/A	MTR
7	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
8	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
9	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
10	Attic – stair – south wall – plaster	Negative	N/A	SPI
11	1 st floor – hall – east wall – plaster	Negative	N/A	SPI
12a	2 nd floor – east bedroom – north wall – plaster skim coat	Negative	N/A	SPI
12b	2 nd floor – east bedroom – north wall – plaster base coat	Negative	N/A	SPI
13a	2 nd floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
13b	2 nd floor – living room – east wall – plaster base coat	Negative	N/A	SPI
14a	2 nd floor – south bedroom – west wall – plaster skim coat	Negative	N/A	SPI
14b	2 nd floor – south bedroom – west wall – plaster base coat	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 – stair – west wall – plaster skim coat	Negative	N/A	SPI
16b	1 st floor – stair – west wall – plaster base coat	Negative	N/A	SPI
17a	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
17b	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
18a	2 nd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
18b	2 nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
19	Attic – west wall – drywall	Negative	N/A	MDW
20	1 st floor – kitchen – west wall – texture	Negative	N/A	STX

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21	1 st floor – dining room – north wall – texture	Negative	N/A	STX
22	1 st floor – bedroom – south wall – texture	Negative	N/A	STX
23	1 st floor – living room – east window – glazing compound	Negative	N/A	MPG
24	Attic – west window – glazing compound	Negative	N/A	MPG
25	2 nd floor – kitchen – north window – glazing compound	Negative	N/A	MPG
26a	Attic – on chimney – plaster #2 skim coat	Negative	N/A	SP12
26b	Attic – on chimney – plaster #2 base coat	Negative	N/A	SP12
27a	Attic – on chimney – plaster #2 skim coat	Negative	N/A	SP12
27b	Attic – on chimney – plaster #2 base coat	Negative	N/A	SP12
28a	Basement – on chimney – plaster #2 skim coat	Negative	N/A	SP12
28b	Basement – on chimney – plaster #2 base coat	Negative	N/A	SP12
29	1 st floor – hall – 12” brown and orange floor tile	Negative	N/A	MF12no
30	1 st floor – pantry – 12” brown and orange floor tile	Negative	N/A	MF12no
31	1 st floor – kitchen – 12” brown and orange floor tile	Negative	N/A	MF12no
32a	1st floor – front stair – 9” brown floor tile	Positive 3% Chrysotile	170 Sq. Ft.	MF9n
32b	1 st floor – front stair – under floor tile	Negative	N/A	MF9n
33a	2nd floor – front stair – 9” brown floor tile	Positive 2% Chrysotile	Reference Sample 32a	MF9n
33b	2 nd floor – front stair – under floor tile	Negative	N/A	MF9n
34a	2nd floor – front stair – 9” brown floor tile	Positive 2% Chrysotile	Reference Sample 32a	MF9n
34b	2 nd floor – front stair – under floor tile	Negative	N/A	MF9n
35a	2 nd floor – kitchen – top layer – 12” tan floor tile	Negative	N/A	MF12t
35b	2 nd floor – kitchen – top layer – under tan floor tile – mastic	Negative	N/A	MF12t
35c	2 nd floor – kitchen – 2 nd layer – 12” beige floor tile	Negative	N/A	MF12e
35d	2 nd floor – kitchen – 2 nd layer – under beige floor tile – mastic	Negative	N/A	MF12e
35e	2 nd floor – kitchen – 3 rd layer – gray linoleum	Negative	N/A	MFLy
35f	2 nd floor – kitchen – 3 rd layer – under gray linoleum – mastic	Negative	N/A	MFLy
35g	2 nd floor – kitchen – 4 th layer – brown linoleum	Negative	N/A	MFLn
35h	2 nd floor – kitchen – 4 th layer – under brown linoleum – mastic	Negative	N/A	MFLn
36a	2 nd floor – bathroom – top layer – mastic	Negative	N/A	MFM
36b	2 nd floor – bathroom – 2 nd layer – 12” brown floor tile	Negative	N/A	MF12n
36c	2 nd floor – bathroom – 2 nd layer – under 12” brown floor tile – mastic	Negative	N/A	MF12n
36d	2 nd floor – bathroom – 3 rd layer – 9” tan floor tile	Negative	N/A	MF9t
36e	2 nd floor – bathroom – 3 rd layer – under 9” tan floor tile – mastic	Negative	N/A	MF9t
36f	2 nd floor – bathroom – 4 th layer – 9” beige floor tile	Negative	N/A	MF9e

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
36g	2 nd floor – bathroom – 4 th layer – under 9” beige floor tile – mastic	Negative	N/A	MF9e
36h	2nd floor – bathroom – 5th layer – green linoleum	Positive 25% Chrysotile	50 Sq. Ft.	MFLg
37a	2 nd floor – hall – top layer – 12” brown and black floor tile	Negative	N/A	MF12nk
37b	2 nd floor – hall – top layer – under 12” brown and black floor tile – mastic	Negative	N/A	MF12nk
37c	2 nd floor – hall – 2 nd layer – 12” cream floor tile	Negative	N/A	MF12c
37d	2 nd floor – hall – 2 nd layer – under 12” cream floor tile – mastic	Negative	N/A	MF12c
38a	2 nd floor – pantry – 12” gray and brown floor tile	Negative	N/A	MF12yn
38b	2 nd floor – pantry – under floor tile – mastic	Negative	N/A	MF12yn
39a	1 st floor – bathroom top layer – 12” gray and white floor tile	Negative	N/A	MF12yw
39b	1 st floor – bathroom – under floor tile – mastic	Negative	N/A	MF12yw
40a	1 st floor – bathroom – under mastic – white ceramic tile	Negative	N/A	MCTMw
40b	1 st floor – bathroom – under mastic – grout	Negative	N/A	MCTMw
41a	1st floor – rear stair – 12” white floor tile	Positive 2% Chrysotile	10 Sq. Ft.	MF9w
41b	1 st floor – rear stair – under floor tile – mastic	Negative	N/A	MF9w
42	Basement – on ducts – duct paper	Positive 65% Chrysotile	45 Sq. Ft.	TDW
43a	1 st floor – rear stair – stair tread	Negative	N/A	MST
43b	1 st floor – rear stair – under stair tread – mastic	Negative	N/A	MST

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

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
STX	Texture
MRSg	Green Asphalt Shingle
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MF12no	12” Brown & Orange Floor Tile
MF12t	12” Tan Floor Tile
MF12e	12” Beige Floor Tile
MF12n	12” Brown Floor Tile
MF12nk	12” Brown & Black Floor Tile
MF12c	12” Cream Floor Tile
MF12yn	12” Gray & Brown Floor Tile
MF12yw	12” Gray & White Floor Tile
MF9w	9” White Floor Tile
MF9n	9” Brown Floor Tile
MF9t	9” Tan Floor Tile
MF9e	9” Beige Floor Tile
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MFLg	Green Linoleum

Homogeneous Material Codes

MFM	Floor Mastic
MCTMw	White Ceramic Tile
MST	Stair Tread
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233516	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2405

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
002	2	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
003	3	Layered	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
003a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516
 Account Number: B929

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

Date Received: 03/28/2014
 Received By: Joanna Mueller
 Date Analyzed: 04/02/2014
 Analyzed By: Cristal Veech
 Methodology: EPA/600/R-93/116

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
008	8	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
009	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
010	10	Homogeneous	White Plaster	Asbestos Not Present	Hair 3	Sand CaCO3 Paint
011	11	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
012a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233516

Account Number: B929

Date Received: 03/28/2014

Received By: Joanna Mueller

Date Analyzed: 04/02/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2405

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

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. 233516

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Date Received: 03/28/2014

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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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
016a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
019	19	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	20 Gypsum

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

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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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
024	24	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
025	25	Homogeneous	White Caulk	Asbestos Not Present	NA	Binder
026	26	Layered	Tan Stucco	Asbestos Not Present	NA	Sand Binder

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516
 Account Number: B929
 Date Received: 03/28/2014
 Received By: Joanna Mueller
 Date Analyzed: 04/02/2014
 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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
027	27	Layered	Tan Stucco	Asbestos Not Present	NA	Sand Binder
027a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
028	28	Layered	Tan Stucco	Asbestos Not Present	NA	Sand Binder
028a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
029	29	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
030	30	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516

Account Number: B929

Date Received: 03/28/2014

Received By: Joanna Mueller

Date Analyzed: 04/02/2014

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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
032	32	Layered	Brown Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
033	33	Layered	Brown Floor Tile	Asbestos Present Chrysotile 2	NA	Vinyl CaCO3
033a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
034	34	Layered	Brown Floor Tile	Asbestos Present Chrysotile 2	NA	Vinyl CaCO3
034a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516

Account Number: B929

Date Received: 03/28/2014

Received By: Joanna Mueller

Date Analyzed: 04/02/2014

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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
035a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
035b		Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
035c		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
035d		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
035e		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
035f		Layered	Brown Flooring	Asbestos Not Present	Cellulose 100	

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035g		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
036	36	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036a		Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
036b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036c		Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
036d		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036e		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl 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. 233516

Account Number: B929

Date Received: 03/28/2014

Received By: Joanna Mueller

Date Analyzed: 04/02/2014

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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036f		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036g		Layered	Green Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
037	37	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
037a		Layered	White Mastic	Asbestos Not Present	NA	Glue
037b		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
037c		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
038	38	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl 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. 233516	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2405

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
039	39	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
039a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
040	40	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
040a		Layered	Brown Grout	Asbestos Not Present	Glass Fiber	5 Sand CaCO3
041	41	Layered	White Floor Tile	Asbestos Present Chrysotile	NA	Vinyl CaCO3
041a		Layered	Yellow/Black Mastic	Asbestos Not Present	NA	Tar Glue

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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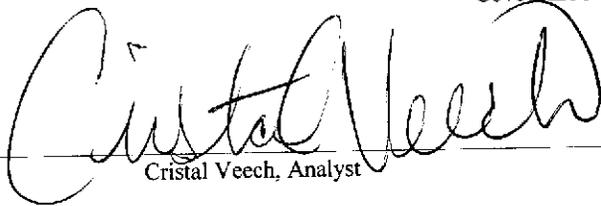
Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233516
 Account Number: B929
 Date Received: 03/28/2014
 Received By: Joanna Mueller
 Date Analyzed: 04/02/2014
 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: 14-200-042.2405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
043	43	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
043a		Layered	Cream Cove Base Mastic	Asbestos Not Present	NA	Glue


 Cristal Veech, Analyst

4/2/2014
 Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
 Lab No. 233516
 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: 14-200-042.2405	
SAMPLED BY: [Signature]	Date:	P.O. Number:	

RELINQUISHED BY: [Signature]	DATE & TIME: 3/27/14 1800	VIA: FedEx	RECEIVED BY: [Signature]	DATE & TIME: 3/28/14 10:20
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REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>233516</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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



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 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>233516</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

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

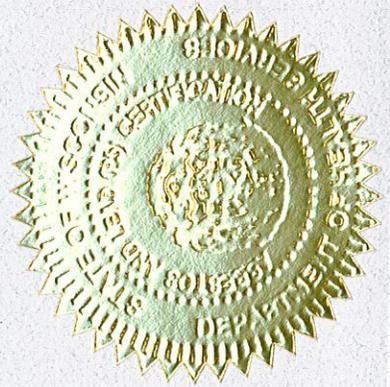
Asbestos Company - Primary

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 INSPECTION REPORT

Job Site:

**Two Family Dwelling
3258 North 35th 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.: 14-200-042.3258
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

May 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 3258 North 35th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, caulk, flue packing, duct paper, linoleum, floor tile, ceramic tile, window glazing compound, and drywall 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 April 24, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3258 North 35th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled except where 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, caulk, flue packing, duct paper, linoleum, floor tile, ceramic tile, window glazing compound, and drywall. 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 – west 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 – west side around windows – caulk	Positive 3% Chrysotile	45 Windows	MCLK
5	Exterior – north side around windows – caulk	Positive 5% Chrysotile	Reference Sample 4	MCLK
6	Exterior – east side around windows – caulk	Positive 5% Chrysotile	Reference Sample 4	MCLK
7	Basement – on chimney – flue packing	Negative	N/A	TFP
8	Basement – on boot – duct paper	Positive 70% Chrysotile	25 Sq. Ft.	TDW
9	Basement – on boot – duct paper	Positive 70% Chrysotile	Reference Sample 8	TDW
10	Basement – on boot – duct paper	Positive 70% Chrysotile	Reference Sample 8	TDW
11	1 st floor – kitchen – under floor tile – red linoleum	Negative	N/A	MFLr
12a	Basement – 9” tan floor tile on concrete	Positive 7% Chrysotile	170 Sq. Ft.	MF9t
12b	Basement – under floor tile on concrete – black mastic	Positive 7% Chrysotile	170 Sq. Ft.	MF9t
13a	Basement – 9” tan floor tile on concrete	Positive 7% Chrysotile	Reference Sample 12a	MF9t
13b	Basement – under floor tile on concrete – black mastic	Positive 7% Chrysotile	Reference Sample 12b	MF9t
14a	Basement – 9” tan floor tile on concrete	Positive 7% Chrysotile	Reference Sample 12a	MF9t
14b	Basement – under floor tile on concrete – black mastic	Positive 8% Chrysotile	Reference Sample 12b	MF9t
15	1 st floor – bathroom – white linoleum	Negative	N/A	MFLw
16	1 st floor – bathroom – on walls under tile – mastic	Negative	N/A	MWM
17a	1 st floor – bathroom – ceiling – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17b	1 st floor – bathroom – ceiling – plaster base coat	Negative	N/A	SPI
18	1 st floor – hall – south wall – plaster	Negative	N/A	SPI
19a	1 st floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
19b	1 st floor – living room – west wall – plaster base coat	Negative	N/A	SPI
20a	2 nd floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPI
20b	2 nd floor – kitchen – east wall – plaster base coat	Negative	N/A	SPI
21a	Attic – stair – north wall – plaster skim coat	Negative	N/A	SPI
21b	Attic – stair – north wall – plaster base coat	Negative	N/A	SPI
22	1 st floor – living room – at fireplace – tan ceramic tile	Negative	N/A	MCTMt
23	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
24	1 st floor – bedroom – east window – glazing compound	Negative	N/A	MPG
25	2 nd floor – stair – north window – glazing compound	Positive 3% Chrysotile	45 Windows	MPG
26	1 st floor – living room – on fireplace – texture	Negative	N/A	STX
27a	2 nd floor – hall – tan linoleum	Positive 25% Chrysotile	40 Sq. Ft.	MFLt
27b	2 nd floor – hall – under linoleum – tar paper	Negative	N/A	MFLt
28a	2 nd floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
28b	2 nd floor – bathroom floor – grout	Negative	N/A	MCTMw
29a	2 nd floor – kitchen – south wall – joint compound	Negative	N/A	MDW
29b	2 nd floor – kitchen – south wall – drywall	Negative	N/A	MDW
30a	2 nd floor – kitchen – under floor tile – yellow linoleum	Negative	N/A	MFLl
30b	2 nd floor – kitchen – under floor tile – cream linoleum	Negative	N/A	MFLc

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 / 2 nd	Dwelling	Asphalt Shingle Siding	2,800 Sq. Ft.
1 st	Kitchen/Pantry/Hall/Stair	Floor Tile & Mastic	270 Sq. Ft.
1 st	Bathroom	Floor Mastic	50 Sq. Ft.
2 nd	Kitchen	Floor Tile & Mastic	150 Sq. Ft.
2 nd	Hall/Bathroom	Floor Mastic	190 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MCLK	Caulk
MFLr	Yellow Linoleum
MFLw	White Linoleum
MFLt	Tan Linoleum

Homogeneous Material Codes

MFLI	Yellow Linoleum
MFLc	Cream Linoleum
MF9t	9" Tan Floor Tile
MWM	Wall Mastic
MCTMt	Tan Ceramic Tile
MCTMw	White Ceramic Tile
MPG	Glazing Compound
MDW	Drywall/Joint 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.

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the

Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 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 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

* 3 Gallons Paint, 1 Gallon Water Sealer, & 2 Gallons Epoxy in Attic

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. 234818	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3258

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	Dark Yellow Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
005	5	Homogeneous	Dark Yellow Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3 Paint
006	6	Homogeneous	Dark Yellow Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3 Paint
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	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.



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

Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3258

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
009	9	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
010	10	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
011	11	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Glass Fiber 5	Vinyl Foam
012	12	Layered	Light Brown Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
012a		Layered	Black Mastic	Asbestos Present Chrysotile 7	NA	Tar
013	13	Layered	Light Brown Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3

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Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Black Mastic	Asbestos Present Chrysotile 7	NA	Tar
014	14	Layered	Light Brown Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
014a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
015	15	Homogeneous	Light Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
016	16	Homogeneous	Beige Mastic	Asbestos Not Present	NA	Glue
017	17	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
017a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3258

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
019	19	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
019a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
020	20	Layered	Light Yellow Plaster	Asbestos Not Present	NA	Quartz Sand
020a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
021	21	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
021a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3258

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz Sand Paint
023	23	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone Paint
024	24	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone Paint
025	25	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
026	26	Homogeneous	Red Brick	Asbestos Not Present	NA	Clay
027	27	Layered	Cream Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose	5 Vinyl Foam
027a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60 Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3258

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
028a		Layered	Gray Grout	Asbestos Not Present	Cellulose <1	Quartz Clay
029	29	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
030	30	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
030a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20 Glass Fiber 5 Synthetic 5	Vinyl Foam


 Sandy Baker, Analyst

5/5/2014
 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
LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 234818
 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"/>				Do Not Test Mastic
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				Do Not Test Mastic
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	21	<input type="checkbox"/>				
22	22	<input type="checkbox"/>				Do Not Test Mastic
23	23	<input type="checkbox"/>				
24	24	<input type="checkbox"/>				
25	25	<input type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

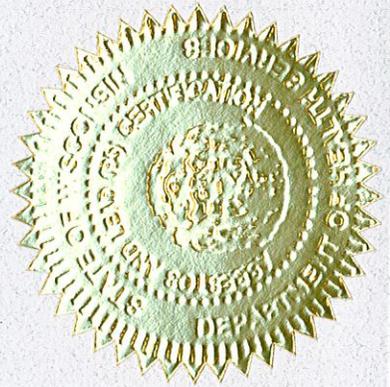
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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
1205 West Arthur Avenue
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.: 14-200-042.1205
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

April 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 1205 West Arthur Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On April 8, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1205 West Arthur Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – dining room – east wall – plaster	Negative	N/A	SPI
2	1 st floor – living room – north wall – plaster	Negative	N/A	SPI
3	1 st floor – southeast bedroom – west wall – plaster	Negative	N/A	SPI
4	1 st floor – entry – south wall – plaster	Negative	N/A	SPI
5	Basement – stair – south wall – plaster	Negative	N/A	SPI
6	1 st floor – living room – east side – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
7	1 st floor – living room – west side – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
8	1 st floor – dining room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
9a	2 nd floor – stair – north wall – joint compound	Negative	N/A	MDW
9b	2 nd floor – stair – north wall – drywall	Negative	N/A	MDW
10a	Attic – west wall – joint compound	Negative	N/A	MDW
10b	Attic – west wall – drywall	Negative	N/A	MDW
11a	Attic – ceiling – joint compound	Negative	N/A	MDW
11b	Attic – ceiling – drywall	Negative	N/A	MDW
12	1 st floor – living room – north window – glazing compound	Negative	N/A	MPG
13	1 st floor – dining room – west window – glazing compound	Negative	N/A	MPG
14	1 st floor – northwest bedroom – north window – glazing compound	Negative	N/A	MPG
15	1 st floor – living room – west wall – texture	Negative	N/A	STX
16	1 st floor – entry – east wall – texture	Negative	N/A	STX
17	Basement – stair – west wall – texture	Negative	N/A	STX
18	1 st floor – hall – brown linoleum	Negative	N/A	MFLn
19	1 st floor – kitchen – tan linoleum	Negative	N/A	MFLt
20	1 st floor – southeast bedroom – 2' x 2' grooved ceiling tile	Negative	N/A	MSCT22G
21	1st floor – kitchen – 2' x 2' pinholed ceiling tile	Positive 6% Amosite	130 Sq. Ft.	MSCT22P
22	1 st floor – southeast bedroom closet – 1' x 1' textured ceiling tile	Negative	N/A	MSCT11T
23	1 st floor – entry – gray linoleum	Negative	N/A	MFLy
24	1 st floor – hall – white linoleum	Negative	N/A	MFLw

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	1,600 Sq. Ft
1 st	Entry/Kitchens/Bathrooms/Stair	Floor Tile & Mastic	300 Sq. Ft
Attic	All Rooms	Floor Tie & Mastic	1,600 Sq. Ft

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MSCT11G	1' x 1' Grooved Ceiling Tile
MSCT11T	1' x 1' Textured Ceiling Tile
MSCT22G	2' x 2' Grooved Ceiling Tile
MSCT22P	2' x 2' Pinholed Ceiling Tile
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MFLn	Brown Linoleum
MFLt	Tan Linoleum
MFLy	Gray Linoleum
MFLw	White Linoleum

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

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

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

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>1</u>	Air Conditioners (roof top, room , and central) – Basement
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – Basement
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>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. 234050	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/10/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1205

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 Paint
002	2	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
003	3	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
004	4	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
005	5	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
006	6	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
006a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1205

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
008	8	Layered	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
008a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1205

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 234050

Account Number: B929

Date Received: 04/10/2014

Received By: Joanna Mueller

Date Analyzed: 04/17/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1205

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	Brown Flooring	Asbestos Not Present	NA	Vinyl
019	19	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
021	21	Homogeneous	White Ceiling Tile	Asbestos Present Amosite 6	Glass Fiber 80	Binder
022	22	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint

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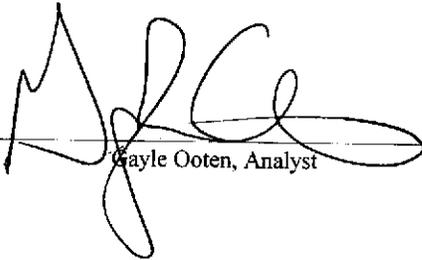


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 04/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1205

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
024	24	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl



Gayle Ooten, Analyst

4/17/2014
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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1205 P.O. Number:	
Phone: (414) 383-4800 Cell Phone:		Report Results (<input checked="" type="checkbox"/> one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other email	

RELINQUISHED BY 	DATE & TIME 4/9/14 1300	VIA FedEx	RECEIVED BY 	DATE & TIME 4-10-14 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	PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	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>234050</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

Do Not Test Moist
 ↓

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

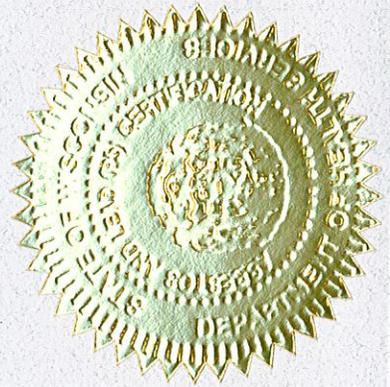
Asbestos Company - Primary

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
2748 North Buffum Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2748
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.....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 2748 North Buffum Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, flue packing, ceiling tile, drywall/joint compound, 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 28, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2748 North Buffum Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
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, drywall/joint compound, 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	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
4	Basement – on chimney – flue packing	Negative	N/A	TFP
5	Basement – stair – 2' x 2' ceiling tile	Negative	N/A	MSCT22
6	2 nd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
7a	1 st floor – entry – south wall – joint compound	Negative	N/A	MDW
7b	1 st floor – entry – south wall – drywall	Negative	N/A	MDW
8a	1 st floor – entry – south wall – joint compound	Negative	N/A	MDW
8b	1 st floor – dining room – west wall – drywall	Negative	N/A	MDW
9a	2 nd floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
9b	2 nd floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
10a	2 nd floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
10b	2 nd floor – bedroom – south wall – plaster base coat	Negative	N/A	SPI
11a	1 st floor – entry – north wall – plaster skim coat	Negative	N/A	SPI
11b	1 st floor – entry – north wall – plaster base coat	Negative	N/A	SPI
12	1 st floor – kitchen – west wall – plaster	Negative	N/A	SPI
13a	1 st floor – back hall – south wall – plaster skim coat	Negative	N/A	SPI
13b	1 st floor – back hall – south wall – plaster base coat	Negative	N/A	SPI
14a	1 st floor – kitchen – on wall – white ceramic tile	Negative	N/A	MCTMw
14b	1 st floor – kitchen – on wall – under ceramic tile – mortar	Negative	N/A	MCTMw
14c	1 st floor – bathroom – on wall – grout	Negative	N/A	MCTMw
15a	1 st floor – bathroom – on wall – white ceramic tile	Negative	N/A	MCTMw
15b	1 st floor – bathroom – on wall – under ceramic tile – mortar	Negative	N/A	MCTMw
15c	1 st floor – kitchen – on wall – grout	Negative	N/A	MCTMw
16a	1 st floor – kitchen – on counter – white ceramic tile	Negative	N/A	MCTMw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16b	1 st floor – kitchen – on counter – under ceramic tile – mortar	Negative	N/A	MCTMw
16c	1 st floor – bathroom – on counter – grout	Negative	N/A	MCTMw
17a	1 st floor – kitchen – floor west side – white & green ceramic tile	Negative	N/A	MCTMwg
17b	1 st floor – kitchen – floor west side – under ceramic tile – mortar	Negative	N/A	MCTMw
17c	1 st floor – kitchen – floor west side – grout	Negative	N/A	MCTMw
18a	1 st floor – kitchen – floor east side – white & green ceramic tile	Negative	N/A	MCTMwg
18b	1 st floor – kitchen – floor east side – under ceramic tile – mortar	Negative	N/A	MCTMw
18c	1 st floor – kitchen – floor east side – grout	Negative	N/A	MCTMw
19a	1 st floor – kitchen – floor north side – white & green ceramic tile	Negative	N/A	MCTMwg
19b	1 st floor – kitchen – floor north side – under ceramic tile – mortar	Negative	N/A	MCTMw
19c	1 st floor – kitchen – floor north side – grout	Negative	N/A	MCTMw
20	2 nd floor – living room – on window – glazing compound	Negative	N/A	MPG
21	1 st floor – entry – on window – glazing compound	Negative	N/A	MPG
22	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
23	1 st floor – entry – north wall – texture	Negative	N/A	STX

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	1,300 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MSCT22	2' x 2' Ceiling Tile
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
MCTMwg	White & Green Ceramic Tile
MPG	Glazing Compound
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 236055	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

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	Sand CaCO3
005	5	Homogeneous	Brown Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
006	6	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236055	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
008	8	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
009	9	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3
010	10	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236055	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	Brown Skim Coat	Asbestos Not Present	Wollastonite	3 Gypsum Perlite Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
012	12	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint
013	13	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
014	14	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236055	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
014b		Layered	White Grout	Asbestos Not Present	Glass Fiber	2 Sand CaCO3
015	15	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
015b		Layered	White Grout	Asbestos Not Present	Glass Fiber	2 Sand CaCO3
016	16	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
016a		Layered	White Mastic	Asbestos Not Present	Glass Fiber	<1 CaCO3 Binder

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236055	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016b		Layered	White Grout	Asbestos Not Present	Glass Fiber <1	Sand CaCO3
017	17	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	White Mastic	Asbestos Not Present	NA	CaCO3 Binder
017b		Layered	White Grout	Asbestos Not Present	Glass Fiber <1	Sand CaCO3
018	18	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	White Mastic	Asbestos Not Present	NA	CaCO3 Binder
018b		Layered	White Grout	Asbestos Not Present	Glass Fiber <1	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	White Mastic	Asbestos Not Present	NA	CaCO3 Binder
019b		Layered	White Grout	Asbestos Not Present	NA	Sand CaCO3
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
022	22	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
023	23	Homogeneous	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Perlite

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

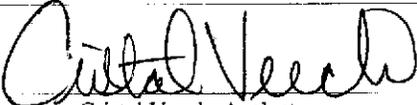
Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236055	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/30/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/04/2014	Project: HA
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2748

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				6/4/2014		
			Cristal Veech, Analyst	Date of Report		

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

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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

For Lab Use Only
 Lab No. 236050
 Accept Reject

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: HA Project Location: Milwaukee, WI Project ID: 14-200-042.2748 PO Number:	
SAMPLED BY: Name: <i>[Signature]</i>		Report Results <input checked="" type="checkbox"/> one box <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other email:	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <u>5/29/14 1800</u>	VIA <u>Fed Ex</u>	RECEIVED BY <i>[Signature]</i>	DATE & TIME <u>5/30/14 9:40</u>
--	---	-----------------------------	--	---

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>23600</u>
Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Company: Harenda Management Group	Project Name: HA	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	(1	<input checked="" type="checkbox"/>				
12	12	<input type="checkbox"/>				
13	B	<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 checked="" type="checkbox"/>				Do Not Test/Asstic ↓
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

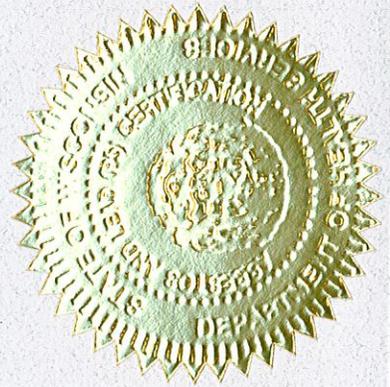
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015