



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Front Dwelling
1730A South 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.: 15-400-004.1730A
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1730A South 6th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 6, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1730A South 6th Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1a	2 nd floor – southwest bedroom – east wall – plaster skim coat	Negative	SPI
1b	2 nd floor – southwest bedroom – east wall – plaster base coat	Negative	SPI
2a	2 nd floor – bathroom – south wall – plaster skim coat	Negative	SPI
2b	2 nd floor – bathroom – south wall – plaster base coat	Negative	SPI
3a	2 nd floor – north bedroom – east wall – plaster skim coat	Negative	SPI
3b	2 nd floor – north bedroom – east wall – plaster base coat	Negative	SPI
4a	2 nd floor – kitchen – north wall – joint compound patch	Negative	SPI
4b	2 nd floor – kitchen – north wall – plaster skim coat	Negative	SPI
4c	2 nd floor – kitchen – north wall – plaster base coat	Negative	SPI
5a	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
5b	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
5c	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
6a	1 st floor – bathroom – north wall – plaster skim coat	Negative	SPI
6b	1 st floor – bathroom – north wall – plaster base coat	Negative	SPI
7a	1 st floor – front entry – south wall – plaster skim coat	Negative	SPI
7b	1 st floor – front entry – south wall – plaster skim coat	Negative	SPI
7c	1 st floor – front entry – south wall – plaster base coat	Negative	SPI
8a	1 st floor – kitchen – east wall – drywall	Negative	MDW
8b	1 st floor – kitchen – east wall – joint compound	Negative	MDW
9a	1 st floor – bathroom – north wall – joint compound	Negative	MDW
9b	1 st floor – bathroom – north wall – drywall	Negative	MDW
10a	2 nd floor – front room – east wall – joint compound	Negative	MDW
10b	2 nd floor – front room – east wall – drywall	Negative	MDW
11	1 st floor – kitchen – on floor – blown in insulation	Negative	MBI
12	1 st floor – front entry – in west wall – blown in insulation	Negative	MBI
13	2 nd floor – dining room – in in south wall – blown in insulation	Negative	MBI
14	2 nd floor – north bedroom – on window – glazing compound	Negative	MPG
15	2 nd floor – front room – on window – glazing compound	Negative	MPG
16	1 st floor – kitchen – on window – glazing compound	Negative	MPG

Sample #	Location and Description	Results	Homogeneous Code
17a	2 nd floor – southwest bedroom – south wall – texture	Negative	STX
17b	2 nd floor – southwest bedroom – south wall – texture layer 2	Negative	STX
18	2 nd floor – north bedroom – south wall – texture	Negative	STX
19	2 nd floor – dining room – east wall – texture	Negative	STX
20	Exterior – on porch – asphalt shingle siding	Negative	MSS
21	Exterior – south wall – asphalt shingle siding	Negative	MSS
22	Exterior – east wall – asphalt shingle siding	Negative	MSS
23a	1 st floor – kitchen floor – top layer center – beige ceramic tile	Negative	MCTMe
23b	1 st floor – kitchen floor – top layer center – under ceramic tile – fiberboard	Negative	MCTMe
24a	1 st floor – kitchen floor – top layer east side – beige ceramic tile	Negative	MCTMe
24b	1 st floor – kitchen floor – top layer east side – grout	Negative	MCTMe
24c	1 st floor – kitchen floor – top layer east side – under ceramic tile – fiberboard	Negative	MCTMe
25a	1 st floor – bathroom floor – top layer – beige ceramic tile	Negative	MCTMe
25b	1 st floor – bathroom floor – top layer – under ceramic tile – fiberboard	Negative	MCTMe
26	1 st floor – kitchen – 2 nd layer center – gray linoleum	Negative	MFLy
27	1 st floor – kitchen – 2 nd layer east side – gray linoleum	Negative	MFLy
28	1 st floor – bathroom – 2 nd layer – gray linoleum	Negative	MFLy
29	Exterior – on porch under wood siding – tar paper	Negative	MPT
30	Exterior – south wall under wood siding – tar paper	Negative	MPT
31	Exterior – east wall under wood siding – tar paper	Negative	MPT
32	2 nd floor – bathroom – behind shower wall – caulk	Negative	MCLK
33	1 st floor – kitchen – bottom layer – red linoleum	Negative	MFLr
33	1 st floor – kitchen – bottom layer – under red linoleum – paper insulation	Negative	MFLr
34	Basement – on chimney – flue packing	Negative	TFP

No materials sampled were found to contain asbestos.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Family Room	Floor Tile & Mastic	150 Sq. Ft.
2 nd	Bathroom/Kitchen/Pantry	Floor Tile & Mastic	380 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MBI	Blown in Insulation
MPG	Glazing Compound
MSS	Asphalt Shingle Siding

Homogeneous Material Codes

MFLy	Gray Linoleum
MFLr	Red Linoleum
MCTMe	Beige Ceramic Tile
MPT	Tar Paper
MCLK	Caulk
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247317	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1730A

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

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

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004a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
004b		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005b		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	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
006a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
007b		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
011	11	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
021	21	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
022	22	Homogeneous	Brown Siding	Asbestos Not Present	Cellulose 45	Quartz Tar
023	23	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
023a		Layered	Gray Fiberboard	Asbestos Not Present	Cellulose 45	CaCO3
024	24	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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024a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
024b		Layered	Gray Fiberboard	Asbestos Not Present	Cellulose 45	CaCO3
025	25	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
025a		Layered	Gray Fiberboard	Asbestos Not Present	Cellulose 45	CaCO3
026	26	Homogeneous	Gray Fiberboard	Asbestos Not Present	Cellulose 60	CaCO3
027	27	Homogeneous	Gray Fiberboard	Asbestos Not Present	Cellulose 60	CaCO3
028	28	Homogeneous	Gray Fiberboard	Asbestos Not Present	Cellulose 60	CaCO3

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029	29	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
030	30	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
031	31	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
032	32	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone CaCO3
033	33	Layered	Brown Sheet Vinyl	Asbestos Not Present	Synthetic 20	Vinyl CaCO3
033a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
034	34	Homogeneous	Black Caulk	Asbestos Not Present	NA	Tar Silicone

Gayle Ooten, Analyst

3/12/2015

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247317</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results <input checked="" type="checkbox"/> one box
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.1730A	<input type="checkbox"/> Other email
SAMPLED BY: <u>Dean</u>	Name:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Dean</u>	<u>3/6/15 10:00</u>	<u>FedEx</u>	<u>Judy Rowan</u>	<u>3/9/15 10:15</u>

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)										
No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		TEM		TEM		TURNAROUND TIME	Comments / Notes
			<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield		
1	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 - Day
7	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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For Lab Use Only
Lab No. <u>247317</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247317</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					
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44					
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46					
47					
48					
49					
50					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



15-199

Cert. No.

Certificate of Completion

Craig Dekutowski



Has completed and satisfactorily passed an examination covering the contents of the course title listed below.

This training course complies with the requirements of TSCA Title II and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159 Wis. Adm. Code.

Course: Refresher Asbestos Inspector

S.A. Herbst & Associates

*1237 West Bruce Street * Milwaukee, WI 53204 * (414) 727-7900*

Class Location: 1237 W. Bruce Street, Milwaukee WI 53204

Kenneth A. Marena JJ

Instructor/Trainer Name

Kenneth A. Marena JJ

Signature

February 6, 2015

Examination Date

Course Date: 2/6/15

Certificate Issued: February 6, 2015

February 6, 2016

Expiration Date



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Front Dwelling
2478A South 11th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.2478
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2478A South 11th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, paper insulation, linoleum, ceiling tile, wall mastic, fiberboard, false brick, ceramic tile, and drywall/joint compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 5, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2478A South 11th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, transite siding, paper insulation, linoleum, ceiling tile, wall mastic, fiberboard, false brick, ceramic tile, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall – transite siding	Positive 15% Chrysotile	MTP
2	Exterior – south wall – transite siding	Positive 15% Chrysotile	MTP
3	Exterior – east wall – transite siding	Positive 15% Chrysotile	MTP
4	Exterior – west wall under transite – paper insulation	Negative	MPI
5	Exterior – south wall under transite – paper insulation	Negative	MPI
6	Exterior – east wall under transite – paper insulation	Negative	MPI
7a	1 st floor – living room – south wall – mastic	Negative	SPI
7b	1 st floor – living room – south wall – plaster skim coat	Negative	SPI
7c	1 st floor – living room – south wall – plaster base coat	Negative	SPI
8a	1 st floor – south bedroom – ceiling – plaster skim coat	Negative	SPI
8b	1 st floor – south bedroom – ceiling – plaster base coat	Negative	SPI
9a	1 st floor – north bedroom – north wall – mastic	Negative	SPI
9b	1 st floor – north bedroom – north wall – plaster skim coat	Negative	SPI
9c	1 st floor – north bedroom – north wall – plaster base coat	Negative	SPI
10a	1 st floor – bathroom – south wall – mastic	Negative	SPI
10b	1 st floor – bathroom – south wall – plaster skim coat	Negative	SPI
10c	1 st floor – bathroom – south wall – plaster base coat	Negative	SPI
11a	2 nd floor – kitchen – west wall – mastic	Negative	SPI
11b	2 nd floor – kitchen – west wall – plaster skim coat	Negative	SPI
11c	2 nd floor – kitchen – west wall – plaster base coat	Negative	SPI
12a	Basement – wall near stair – mastic	Negative	SPI
12b	Basement – wall near stair – plaster skim coat	Negative	SPI
12c	Basement – wall near stair – plaster base coat	Negative	SPI
13a	Basement – front room – center wall – mastic	Negative	SPI
13b	Basement – front room – center wall – plaster skim coat	Negative	SPI
13c	Basement – front room – center wall – plaster base coat	Negative	SPI
14a	1 st floor – front entry – tan linoleum	Negative	MFLt
14b	1 st floor – front entry – under linoleum – mastic	Negative	MFLt
14c	1 st floor – front entry – under mastic – leveling compound	Negative	MFLt
15a	1 st floor – kitchen – top layer – yellow linoleum	Negative	MFLI

Sample #	Location and Description	Results	Homogeneous Code
15b	1 st floor – kitchen – top layer – under yellow linoleum – mastic	Negative	MFLI
16a	2nd floor – kitchen – bottom layer – gray linoleum	Positive 30% Chrysotile	MFLy
16b	2 nd floor – kitchen – bottom layer – under gray linoleum – tar paper	Negative	MFLy
17a	1 st floor – bathroom – green linoleum	Negative	MFLg
17b	1 st floor – bathroom – under linoleum – mastic	Negative	MFLg
18a	1st floor – stair landing top layer– brown linoleum	Positive 30% Chrysotile	MFLn
18b	1 st floor – stair landing 2 nd layer – blue linoleum	Negative	MFLb
18c	1 st floor – stair landing 2 nd layer – under blue linoleum – mastic	Negative	MFLb
18d	1 st floor – stair landing 2 nd layer – under mastic – tar paper	Negative	MFLb
18e	1 st floor – stair landing 2 nd layer – under tar paper – mastic	Negative	MFLb
19	1 st floor – south bedroom – on floor – blown in insulation	Negative	MBI
20	1 st floor – kitchen – on floor – blown in insulation	Negative	MBI
21	2 nd floor – bedroom – on floor – blown in insulation	Negative	MBI
22	1 st floor – front entry – 2' x 2' ceiling tile	Negative	MSCT22
23	1 st floor – bathroom – on south wall – fiberboard	Negative	MFB
24a	1 st floor – bathroom – on north wall – fiberboard	Negative	MFB
24b	1 st floor – bathroom – on wall – under fiberboard - mastic	Negative	MFB
25a	1 st floor – bathroom – on west wall – fiberboard	Negative	MFB
25b	1 st floor – bathroom – on west wall – under fiberboard - mastic	Negative	MFB
26	2 nd floor – bathroom – on wall – fiberboard #2	Negative	MFB2
27a	1 st floor – kitchen – on wall – false brick	Negative	MFBR
27b	1 st floor – kitchen – on wall – under false brick - mastic	Negative	MFBR
27c	1 st floor – kitchen – on wall – under mastic – leveling compound	Negative	MFBR
28a	2 nd floor – bathroom – on shower wall – white ceramic tile	Negative	MCTMw
28b	2 nd floor – bathroom – on shower wall – grout	Negative	MCTMw
29a	2 nd floor – bathroom – south wall – joint compound	Negative	MDW
29b	2 nd floor – bathroom – south wall – joint compound layer 2	Negative	MDW
29c	2 nd floor – bathroom – south wall – drywall	Negative	MDW
30a	2 nd floor – sitting room – south wall – joint compound	Negative	MDW
30b	2 nd floor – sitting room – south wall – joint compound layer 2	Negative	MDW
30c	2 nd floor – sitting room – south wall – drywall	Negative	MDW
31a	2 nd floor – front room – ceiling – joint compound	Negative	MDW
31b	2 nd floor – front room – ceiling – joint compound layer 2	Negative	MDW
31c	2 nd floor – front room – ceiling – drywall	Negative	MDW

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

Material	Homogeneous Code	Location	Quantity
Transite Siding	MTP	Exterior Walls	1,200 Sq. Ft.
Gray Linoleum	MFLy	1 st Floor Kitchen 2 nd Layer	170 Sq. Ft.
Brown Linoleum	MFLn	1 st Floor Stair Landing Top Layer	80 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	500 Sq. Ft.
1 st	Family Room	Floor Tile & Mastic	150 Sq. Ft.
2 nd	Bathroom/Kitchen/Pantry	Floor Tile & Mastic	380 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite
MPI	Paper Insulation
MFLt	Tan Linoleum
MFLl	Yellow Linoleum
MFLy	Gray Linoleum
MFLb	Blue Linoleum
MFLn	Brown Linoleum
MBI	Blown in Insulation
MSCT22	2' x 2' Ceiling Tile
MFB	Fiberboard
MFB2	Fiberboard #2
MFBR	False Brick
MCTMw	White Ceramic Tile
MDW	Drywall/Joint Compound

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247361	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

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

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

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

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 247361	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/09/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

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

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Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
014a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
014b		Layered	White Leveling Compound	Asbestos Not Present	NA	Gypsum
015	15	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
015a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
016	16	Layered	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
016a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Layered	Green Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
017a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	Tan Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
018a		Layered	Blue Flooring	Asbestos Not Present	Cellulose 50 Synthetic 50	
018b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018c		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018d		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
019	19	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
020	20	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
021	21	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
022	22	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
023	23	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Vinyl
024	24	Layered	White Fiberboard	Asbestos Not Present	Cellulose 80	Vinyl

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Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
025	25	Layered	White Fiberboard	Asbestos Not Present	Cellulose 80	Vinyl
025a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
026	26	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Vinyl
027	27	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Gray Mastic	Asbestos Not Present	NA	Glue CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027b		Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
028a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
029	29	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
029b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
030	30	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Date Received: 03/09/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/12/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2478

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

Gayle Ooten, Analyst

3/12/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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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. 247361 Accept Reject

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Phone: (414) 383-4800 Cell Phone: Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004.2478 PO Number:	
---	--	--	--

SAMPLED BY: <u>Dean Jacobsen</u> DATE & TIME: <u>3/5/15 1730</u> VIA: <u>FedEx</u>	RECEIVED BY: <u>[Signature]</u> DATE & TIME: <u>3/9/15</u>
---	---

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>247861</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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



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Lab No. <u>247301</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

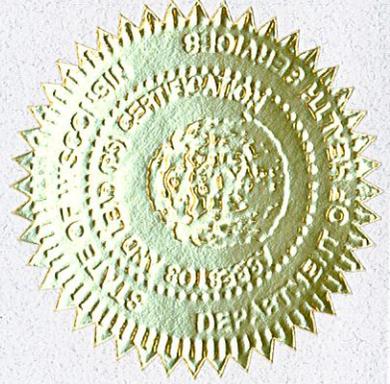
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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



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

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

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2035 South 12th Street
Milwaukee, Wisconsin**

For:

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

HMG Report No.: 15-400-004.2035

Contract No.: 360-15-0745

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

Dean Jacobsen
Asbestos Inspector No. AII - 14370

Prepared by:

HARENDA MANAGEMENT GROUP

1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2035 South 12th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 24, 2015, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2035 South 12th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, drywall/joint compound, paper insulation, blown in insulation, ceramic tile, flue packing, vermiculite insulation, ceiling tile, cement board, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	1 st floor – living room – ceiling – joint compound	Negative	MDW
1b	1 st floor – living room – ceiling – drywall	Negative	MDW
2a	1 st floor – kitchen – west wall – joint compound	Negative	MDW
2b	1 st floor – kitchen – west wall – drywall	Negative	MDW
3a	2 nd floor – main room – north wall – joint compound	Negative	MDW
3b	2 nd floor – main room – north wall – joint compound layer 2	Negative	MDW
3c	2 nd floor – main room – north wall – drywall	Negative	MDW
4	Exterior – east wall under wood siding – paper insulation	Negative	MPI
5	Exterior – south wall under wood siding – paper insulation	Negative	MPI
6	Exterior – west wall under wood siding – paper insulation	Negative	MPI
7	1 st floor – living room – on ceiling under panel – yellow mastic	Negative	MCM
8	1 st floor – living room – in south wall – blown in insulation	Negative	MBI
9	1 st floor - south bedroom – in south wall – blown in insulation	Negative	MBI
10	2 nd floor – main room – in east wall – blown in insulation	Negative	MBI
11	1 st floor – living room – at fire place – brick/mortar	Negative	MFB
12a	1 st floor – hall floor – bottom layer – blue ceramic tile	Negative	MCTMb
12b	1 st floor – hall floor – bottom layer – grout	Negative	MCTMb
13a	1 st floor – bathroom floor – black ceramic tile	Negative	MCTMk
13b	1 st floor – bathroom floor – grout	Negative	MCTMk
14a	1 st floor – kitchen floor – black ceramic tile	Negative	MCTMk
14b	1 st floor – kitchen floor – grout	Negative	MCTMk
15a	2 nd floor – main room floor – black ceramic tile	Negative	MCTMk
15b	2 nd floor – main room floor – under ceramic tile – mastic	Negative	MCTMk
15c	2 nd floor – main room floor – grout	Negative	MCTMk
16a	Basement – floor north side – cream ceramic tile	Negative	MCTMc

Sample #	Location and Description	Results	Homogeneous Code
16b	Basement – floor north side – under ceramic tile – mortar	Negative	MCTMc
16c	Basement – floor north side – under ceramic tile – mortar layer 2	Negative	MCTMc
16d	Basement – floor north side – grout	Negative	MCTMc
17a	1 st floor – in shower – brown ceramic tile	Negative	MCTMn
17b	1 st floor – in shower – grout	Negative	MCTMn
18	1 st floor – south bedroom – on south wall – texture	Negative	STX
19	Basement – on west side of chimney – top layer – white flue packing	Negative	TFPw
20	Basement – on west side of chimney – bottom layer – gray flue packing	Negative	TFPy
21	Basement – on east side of chimney – top layer – dark gray flue packing	Negative	TFPydark
22	Basement – on east side of chimney – bottom layer – light gray flue packing	Negative	TFPylight
23a	1 st floor – south bedroom – north wall – plaster skim coat	Negative	SPI
23b	1 st floor – south bedroom – north wall – plaster base coat	Negative	SPI
24a	1 st floor – bathroom – ceiling – plaster skim coat	Negative	SPI
24b	1 st floor – bathroom – ceiling – plaster base coat	Negative	SPI
25a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	SPI
25b	1 st floor – kitchen – ceiling – plaster base coat	Negative	SPI
26a	1 st floor – south bedroom – east wall – plaster skim coat	Negative	SPI
26b	1 st floor – south bedroom – east wall – plaster base coat	Negative	SPI
27a	1 st floor – south bedroom – ceiling – plaster skim coat	Negative	SPI
27b	1 st floor – south bedroom – ceiling – plaster base coat	Negative	SPI
28	1 st floor – kitchen – on south wall – cement board	Negative	MCB
29	1 st floor – living room – in east wall – vermiculite insulation	Negative	MVI
30a	Basement – on north side floor – red ceramic tile	Negative	MCTMr
30b	Basement – on north side floor – grout	Negative	MCTMr
30c	Basement – on north side floor – under ceramic tile – mortar	Negative	MCTMr
31	1 st floor – kitchen – white ceiling tile	Negative	MSCTw

No materials sampled were found to contain asbestos.

Assumed Category I Non-Friable Asbestos Containing Material:

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

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MPI	Paper Insulation
MCM	Ceiling Mastic
MBI	Blown in Insulation
MFB	Fire Brick/Mortar
MCTMb	Blue Ceramic Tile
MCTMk	Black Ceramic Tile
MCTMc	Cream Ceramic Tile
MCTMn	Brown Ceramic Tile
MCTMr	Red Ceramic Tile
MCB	Cement Board
MVI	Vermiculite Insulation
MSCTw	White Ceiling Tile
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TFPylight	Light Gray Flue Packing

Note#1: Asphalt roofing is a category I non friable material and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248093	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/27/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3
001a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
002	2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
003b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

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

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



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Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
008	8	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz CaCO3
012	12	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
012a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
013	13	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
013a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
014	14	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
015	15	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3
015b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
016	16	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
016a		Layered	White Texture	Asbestos Not Present	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016b		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3
016c		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	17	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
020	20	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3

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Date Analyzed: 04/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
022	22	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
026	26	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
027	27	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Gypsum Paint
027a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3 Foam
029	29	Homogeneous	Gold Insulation	Asbestos Not Present	NA	Vermiculite
030	30	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
030a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
030b		Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3
031	31	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2035

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

Gayle Ooten, Analyst

4/2/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 248093
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.2035	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	3/26/15 1700	FedEx	<i>Sheffer</i>	3/27/10:00

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)													
No.	Sample ID (10 Characters Max)	PLM		PLM		TEM		TEM		TURNAROUND TIME			
		<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
		Gravimetric Preparation		PCM		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	10	<input checked="" type="checkbox"/>											



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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>248093</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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



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For Lab Use Only
Lab No. <u>248093</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		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

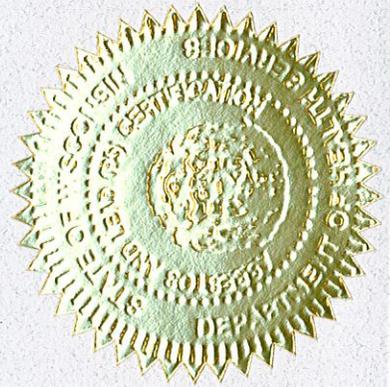
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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



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

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

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
2868 North 12th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.2868
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2868 North 12th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 12, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2868 North 12th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1a	1 st floor – living room – ceiling – plaster skim coat	Negative	SPI
1b	1 st floor – living room – ceiling – plaster base coat	Negative	SPI
2a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
2b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
3a	1 st floor – center bedroom – north wall – plaster skim coat	Negative	SPI
3b	1 st floor – center bedroom – north wall – plaster base coat	Negative	SPI
4a	1 st floor – dining room – south wall – plaster skim coat	Negative	SPI
4b	1 st floor – dining room – south wall – plaster base coat	Negative	SPI
5	1 st floor – bathroom – ceiling – plaster	Negative	SPI
6	Exterior – west wall – tar paper	Negative	MFB
6	Exterior – west wall – under tar paper – fiberboard	Negative	MFB
7	Exterior – south wall – fiberboard	Negative	MFB
8	Exterior – east wall – fiberboard	Negative	MFB
9a	1 st floor – bathroom – on south wall – white ceramic tile	Negative	MCTMw
9b	1 st floor – bathroom – on south wall – grout	Negative	MCTMw
9c	1 st floor – bathroom – on south wall – under ceramic tile – mortar	Negative	MCTMw
10	1 st floor – living room – on floor – blown in insulation	Negative	MBI
11	1 st floor – dining room – on floor – blown in insulation	Negative	MBI
12	1 st floor – kitchen – on floor – blown in insulation	Negative	MBI
13	1 st floor – west bedroom – under carpet – mastic	Negative	MCM
14a	1 st floor – west bedroom – north wall – joint compound	Negative	MDW
14b	1 st floor – west bedroom – north wall – drywall	Negative	MDW
15a	1 st floor – south bedroom – north wall – joint compound	Negative	MDW
15b	1 st floor – south bedroom – north wall – drywall	Negative	MDW
16a	1 st floor – kitchen – west wall – joint compound	Negative	MDW
16b	1 st floor – kitchen – west wall – drywall	Negative	MDW

No material sampled was found to contain asbestos.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Bathroom/Kitchen	Floor Tile & Mastic	380 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MFB	Fiberboard
MDW	Drywall/Joint Compound
MCTM _w	White Ceramic Tile
MBI	Blown in Insulation
MCM	Carpet Mastic

Note#1: Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

All floors covered with fire debris and only partially accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247562	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/16/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2868

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

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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Date Analyzed: 03/16/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2868

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 80	Tar
006a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
008	8	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
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Date Analyzed: 03/16/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2868

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
009a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
009b		Layered	White Grout	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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. 247562	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/16/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2868

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

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

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



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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 03/16/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 03/16/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2868

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

Gayle Ooten, Analyst

3/16/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 247562

Accept Reject

Report Results one box

QuanTEM Website

Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.2868	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	3/13/15 1800	FeEx	<i>Judy Rowan</i>	3/16/15 9:30

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

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



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. 247562

Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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



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

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

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3126 North 15th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.3126
Contract No.: 360-15-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3126 North 15th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 7, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3126 North 15th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

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IV. FINDINGS AND OBSERVATIONS

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

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

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

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

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

Assumed Category I Non-Friable Asbestos Containing Material:

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

Homogeneous Material Codes

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

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – 2 nd Floor Kitchen

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

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

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

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

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

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

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

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
012	11A	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
012a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
013	11B	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
013a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
014	12	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
015	13	Layered	White Joint Compound	Asbestos Not Present	Cellulose 5	CaCO3 Paint

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

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

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

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Date Analyzed: 03/17/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3126

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

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

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

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

Jeff Mlekush, Laboratory Manager

3/17/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>247400</u>	Accept <input checked="" type="checkbox"/> / Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box	
<input checked="" type="checkbox"/> QuantEM Website	<input type="checkbox"/> Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.3126	
SAMPLED BY: _____	Name: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>3/2/15 1:00</u>	<u>FedEx</u>	<u>Judy Rowan</u>	<u>3/10/15 10:30</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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

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



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	29				
32	30				
33	31				
34	32				
35	33				
36	34				
37	35				
38	36				
39	37				
40					
41					
42					
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44					
45					
46					
47					
48					
49					
50					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

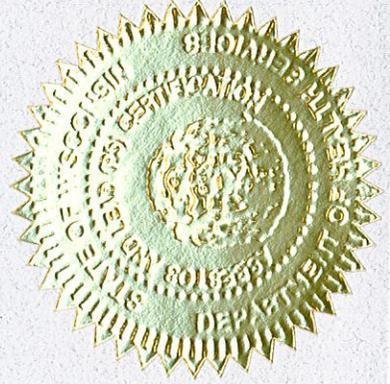
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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

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

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

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3627 North 21st Street
Milwaukee, Wisconsin**

For:

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

HMG Report No.: 15-400-004.3627

Contract No.: 360-15-0745

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP

1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3627 North 21st Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 13, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3627 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

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

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

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

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

Assumed Category I Non-Friable Asbestos Containing Material:

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

Homogeneous Material Codes

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

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>2</u>	Junk Vehicles – Garage

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

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

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

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

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



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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3627

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

Gayle Ooten, Analyst

3/19/2015

Date of Report

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

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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



QUANTEM

LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 247581
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 15-400-004.3627
 P.O. Number:

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

SAMPLED BY: [Signature] Name: [Signature] DATE & TIME: 3/13/15 1800
 RELINQUISHED BY: [Signature] DATE & TIME: 3/13/15 1800
 RECEIVED BY: Judy Rowan DATE & TIME: 3/16/15 9:30

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM		TEM		TURNAROUND TIME
		Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

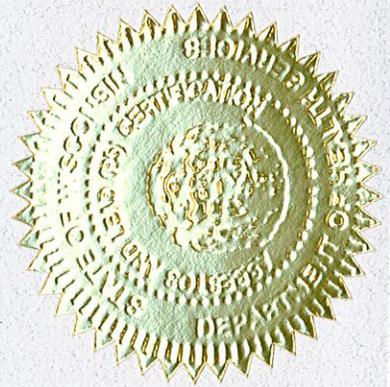
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

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

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
3166 North 25th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.3166
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3166 North 25th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 13, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3166 North 25th Street, Milwaukee, Wisconsin. The inspection was conducted by Craig Dekutowski, Wisconsin License No. AII – 500.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

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

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

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

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

Assumed Category I Non-Friable Asbestos Containing Material:

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

Homogeneous Material Codes

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

Homogeneous Material Codes

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

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

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Tan Texture	Asbestos Not Present	Wollastonite Talc	2 4 CaCO3 Paint
002b		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
002c		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

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

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3166

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

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

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

Gayle Ooten, Analyst

3/19/2015

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only	
Lab No. <u>247571</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box	
<input checked="" type="checkbox"/>	QuanTEM Website
<input type="checkbox"/>	Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.3166	
SAMPLED BY: Name:	Date:	PO. Number:	

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

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>247577</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

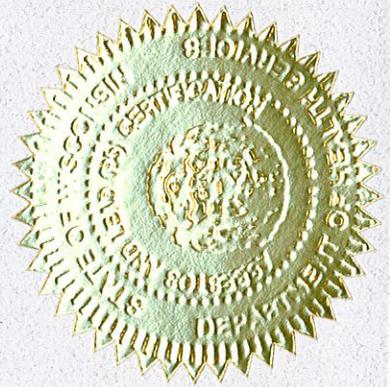
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

Craig Steven Dekutowski
5030 Hearthside Ln
Racine WI 53402-2154

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

Training due by: 02/06/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2174-76 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.: 15-400-004.2174
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2174-76 North 35th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On February 24, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2174-76 North 35th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, blown in insulation, linoleum, ceramic tile, fiberboard, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall under vinyl siding – asphalt shingle siding	Negative	MSS
2	Exterior – north wall under vinyl siding – asphalt shingle siding	Negative	MSS
3	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	MSS
4	Exterior – in east wall – blown in insulation	Negative	MBI
5	Attic – on floor – blown in insulation	Negative	MBI
6	2 nd floor – kitchen – in east wall – blown in insulation	Negative	MBI
7	Basement – stair – west wall – plaster	Negative	SPI
8a	2 nd floor – kitchen – west wall – joint compound patch	Negative	MJC
8b	2nd floor – kitchen – west wall – joint compound patch layer 2	Positive 2% Chrysotile	MJC2
8b	POINT COUNT RESULT	Positive 1.5% Chrysotile	MJC2
8c	2 nd floor – kitchen – west wall – plaster	Negative	SPI
9a	1 st floor – living room – west wall – joint compound patch	Negative	SPI
9b	1 st floor – living room – west wall – plaster	Negative	SPI
10a	2 nd floor – east bedroom – ceiling – joint compound patch	Negative	MJC
10b	2nd floor – east bedroom – ceiling – joint compound patch layer 2	Positive 2% Chrysotile	MJC2
10b	POINT COUNT RESULT	Positive 1.25% Chrysotile	MJC2
10c	2 nd floor – east bedroom – ceiling – plaster	Negative	SPI
11a	2 nd floor – dining room – ceiling – joint compound patch	Negative	MJC
11b	2 nd floor – dining room – ceiling – plaster	Negative	SPI
12a	1 st floor – bathroom – south wall – joint compound patch	Negative	MJC
12b	1 st floor – bathroom – south wall – plaster	Negative	SPI
13a	Basement – hall – north wall – joint compound patch	Negative	MJC
13b	Basement – hall – north wall – plaster	Negative	SPI
14	1 st floor – dining room – ceiling – texture	Negative	STX
15	2 nd floor – living room – north wall – texture	Negative	STX
16	2 nd floor – east bedroom – north wall – texture	Negative	STX
17a	1 st floor – bathroom – on south wall – white and black ceramic tile	Negative	MCTMwk

Sample #	Location and Description	Results	Homogeneous Code
17b	1 st floor – bathroom – on south wall – grout	Negative	MCTMwk
18a	2 nd floor – bathroom – on west wall – white and red ceramic tile	Negative	MCTMwr
18b	2 nd floor – bathroom – on west wall – grout	Negative	MCTMwr
19	1 st floor – bathroom floor – white ceramic tile	Negative	MCTMw
20a	2 nd floor – kitchen – under floor tile and plywood – cream linoleum	Negative	MFLc
20b	2 nd floor – kitchen – under cream linoleum – tan linoleum	Negative	MFLt
21a	2 nd floor – kitchen – on north wall – fiberboard	Negative	MFB
21b	2 nd floor – kitchen – on north wall – under fiberboard – mastic	Negative	MFB
22	Basement – on chimney – flue packing	Negative	TFP
23	2 nd floor – dining room – on windows – glazing compound	Negative	MPG
24	1 st floor – living room – on windows – glazing compound	Negative	MPG
25	Basement – on windows – glazing compound	Negative	MPG

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

Material	Homogeneous Code	Location	Approximate Quantity
Joint Compound Patch Layer 2	MJC2	2 nd Floor Kitchen West Wall, 2 nd Floor East Bedroom Ceiling	220 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 st	Hall/Bathroom/Kitchen	Floor Tile & Mastic	400 Sq. Ft.
2 nd	Kitchen	Floor Tile & Mastic	250 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
MSS	Asphalt Shingle Siding
MBI	Blown in Insulation
MJC	Joint Compound Patch
MJC2	Joint Compound Patch 2
MCTMwk	White & Black Ceramic Tile
MCTMwr	White & Red Ceramic Tile
MCTMw	White Ceramic Tile
MFLc	Cream Linoleum
MFB	Fiberboard
MPG	Glazing Compound
TFP	Flue Packing

Note#1: Joint compound patch #2 layers are a friable material and must be abated by a Wisconsin certified asbestos company prior to demolition. Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 1 st Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 40 Gallons Paint in Basement & Attic

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 246937	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 02/25/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 30	Quartz Tar Foam
002	2	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 30	Quartz Tar Foam
003	3	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose 30	Quartz Tar Foam
004	4	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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

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Date Analyzed: 03/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3
008a		Layered	Cream Texture	Asbestos Present Chrysotile 2	NA	CaCO3
008b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
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: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Cream Texture	Asbestos Present Chrysotile 2	NA	CaCO3
010b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	17	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	White Grout	Asbestos Not Present	NA	CaCO3

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	Red Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
019	19	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
020	20	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
020a		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar CaCO3
021	21	Layered	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 246937	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 02/25/2015	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021a		Layered	White Mastic	Asbestos Not Present	NA	Glue
022	22	Homogeneous	Tan Mortar	Asbestos Not Present	NA	Quartz CaCO3
023	23	Homogeneous	White Grout	Asbestos Not Present	NA	CaCO3
024	24	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
025	25	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

Gayle Ooten, Analyst

3/2/2015

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
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LABORATORIES
 www.QuanTEM.com

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For Lab Use Only

Lab No. 246937

Accept Reject

Report Results (one box)

QuanTEM Website

Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.2174	
SAMPLED BY: _____	Name:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	2/24/15 1800	FedEx	<i>Anthony</i>	2/25/15 10:45

REQUESTED SERVICES (Please 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	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Rush	Same Day	24 - Hour	3 - Day	5 - Day
<input checked="" type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>																
<input type="checkbox"/>																
<input type="checkbox"/>																
<input type="checkbox"/>																

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<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>246937</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247221	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/06/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/09/2015	Project: PTCT for 246937, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2174

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	8	Homogeneous	Cream Texture	Asbestos Present Chrysotile 1.50 400 Point Count	NA	
002	10	Homogeneous	Cream Texture	Asbestos Present Chrysotile 1.25 400 Point Count	NA	

Gayle Ooten, Analyst

3/9/2015

Date of Report

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

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



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 Lab No. 247221 Accept Reject

Report Results one box
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 15-400-004.2174	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 3/5/15 6:55	VIA Email	RECEIVED BY <i>S. Pofflich</i>	DATE & TIME 3/6/15 8:00
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REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	8	<input checked="" type="checkbox"/>		cream layer		Quantem Lab # 246937
2	10	<input checked="" type="checkbox"/>		cream layer		
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

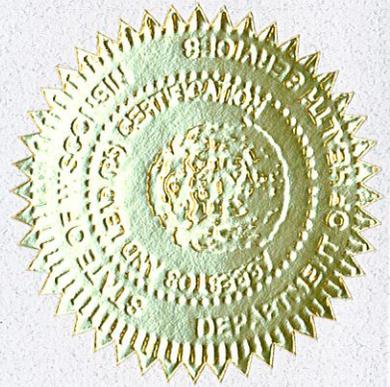
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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



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

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

Training due by: 03/27/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
124 West Keefe 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.: 15-400-004.124
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 124 West Keefe Avenue, Milwaukee, Wisconsin.

The inspection included plaster, stucco, texture, tar paper, window glazing compound, floor tile, linoleum, wall covering, duct paper, ceramic tile, caulk, flue packing, blown in insulation, asphalt roofing, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On March 18, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for fire training and mechanical demolition, located at 124 West Keefe Avenue, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, stucco, texture, tar paper, window glazing compound, floor tile, linoleum, wall covering, duct paper, ceramic tile, caulk, flue packing, blown in insulation, asphalt roofing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall – stucco	Negative	STC
2a	Exterior – south wall – stucco	Negative	STC
2b	Exterior – south wall – under stucco – tar paper	Negative	MPT
3a	Exterior – west wall – stucco	Negative	STC
3b	Exterior – west wall – under stucco – tar paper	Negative	MPT
4a	Exterior – west wall – stucco top layer	Negative	STC
4b	Exterior – west wall – stucco bottom layer	Negative	STC
5a	Exterior – north wall – stucco top layer	Negative	STC
5b	Exterior – north wall – stucco bottom layer	Negative	STC
6	Exterior – north wall – stucco	Negative	STC
7	Exterior – east wall – stucco	Negative	STC
8	Exterior – north wall – tar paper	Negative	MPT
9	Exterior – north wall – tar paper	Negative	MPT
10	Exterior – east wall – tar paper	Negative	MPT
11	Exterior – on north window – glazing compound	Negative	MPG
12	Exterior – on south window – glazing compound	Negative	MPG
13	Exterior – on west window – glazing compound	Negative	MPG
14a	1 st floor – front entry top layer – 12” white floor tile	Positive 12% Chrysotile	MF12w
14b	1 st floor – front entry top layer – under floor tile – mastic	Negative	MF12w
15	1 st floor – front entry bottom layer – multicolored linoleum	Negative	MFLm
16	1 st floor – front entry – south wall – plaster	Negative	SPI
17a	1 st floor – kitchen – west wall – joint compound patch	Negative	SPI
17b	1 st floor – kitchen – west wall – plaster skim coat	Negative	SPI
17c	1 st floor – kitchen – west wall – plaster base coat	Negative	SPI
18a	Basement – north wall – plaster skim coat	Negative	SPI
18b	Basement – north wall – plaster base coat	Negative	SPI
19a	2 nd floor – kitchen – east wall – plaster skim coat	Negative	SPI
19b	2 nd floor – kitchen – east wall – plaster base coat	Negative	SPI
20a	2 nd floor – northwest bedroom – south wall – plaster skim coat	Negative	SPI
20b	2 nd floor – northwest bedroom – south wall – plaster base coat	Negative	SPI
21	1 st floor – hall – on west wall – green wall covering	Negative	MWCg

Sample #	Location and Description	Results	Homogeneous Code
22	1 st floor – hall - on west wall – beige wall covering	Negative	MWCe
23a	1 st floor – hall – north wall – plaster #2	Negative	SPI2
23b	1 st floor – hall – north wall – drywall	Negative	SPI2
24a	1 st floor – dining room – south wall – joint compound patch	Negative	SPI2
24b	1 st floor – dining room – south wall – plaster #2 skim coat	Negative	SPI2
24c	1 st floor – dining room – south wall – plaster #2 base coat	Negative	SPI2
25a	2 nd floor – living room – east wall – plaster #2 skim coat	Negative	SPI2
25b	2 nd floor – living room – east wall – plaster #2 base coat	Negative	SPI2
25c	2 nd floor – living room – east wall – drywall	Negative	SPI2
26	2 nd floor – northwest bedroom – east wall – plaster #2	Negative	SPI2
27a	1 st floor – bathroom – south wall – plaster #2 skim coat	Negative	SPI2
27b	1 st floor – bathroom – south wall – plaster #2 base coat	Negative	SPI2
28	1 st floor – living room – on ceiling – texture	Negative	STX
29	1 st floor – kitchen – on west wall – texture	Negative	STX
30a	1 st floor – dining room – on south wall – texture	Negative	STX
30b	1 st floor – dining room – on south wall – texture layer 2	Negative	STX
31a	1 st floor – living room – on south wall – texture	Negative	STX
31b	1 st floor – living room – on south wall – texture layer 2	Negative	STX
32a	1 st floor – dining room – on north wall – texture	Negative	STX
32b	1 st floor – dining room – on north wall – texture layer 2	Negative	STX
33	1 st floor – living room – under carpet – 12” brown floor tile	Negative	MF12n
34	1st floor – living room – on north wall duct – duct paper	Positive 80% Chrysotile	TDW
34B	Basement – on north side duct – duct paper	Positive 80% Chrysotile	TDW
34C	Basement – on south side duct – duct paper	Positive 80% Chrysotile	TDW
35	1 st floor – bathroom – top layer – 12” red and brown floor tile	Negative	MF12rn
36	1 st floor – kitchen – top layer – 12” red and brown floor tile	Negative	MF12rn
37	1 st floor – dining room – top layer – 12” red and brown floor tile	Negative	MF12rn
38a	1st floor – bathroom – bottom layer – 12” beige floor tile	Positive 5% Chrysotile	MF12e
38b	1 st floor – bathroom – bottom layer – under beige floor tile – mastic	Negative	MF12e
39a	1 st floor – bathroom – on wall – pink ceramic tile	Negative	MCTMp
39b	1 st floor – bathroom – on wall – under ceramic tile – mastic	Negative	MCTMp

Sample #	Location and Description	Results	Homogeneous Code
39c	1 st floor – bathroom – on wall – grout	Negative	MCTMp
40	1 st floor – kitchen – on north wall – yellow wall covering	Negative	MWCI
41	1 st floor – kitchen – on south wall – yellow wall covering	Negative	MWCI
42	1 st floor – kitchen – on west wall – yellow wall covering	Negative	MWCI
43	1 st floor – kitchen – north side bottom layer – white linoleum	Negative	MFLw
44a	1 st floor – kitchen – south side bottom layer – white linoleum	Negative	MFLw
44b	1 st floor – kitchen – south side bottom layer – under white linoleum – tar paper	Negative	MFLw
45a	1 st floor – dining room – bottom layer – white linoleum	Negative	MFLw
45b	1 st floor – dining room – bottom layer – under white linoleum – tar paper	Negative	MFLw
46	Basement – on wall southeast corner – black caulk	Positive 10% Chrysotile	MCLKk
47	Basement – on south wall – white caulk	Positive 2% Chrysotile	MCLKw
47	POINT COUNT RESULT	Positive 3.5% Chrysotile	MCLKw
48	Basement – on southwest bench – white and green linoleum	Negative	MFLwg
49	Basement – on stair bottom layer – 9” brown floor tile	Negative	MF9n
50	Basement – on chimney – flue packing	Negative	TFP
51a	2 nd floor – kitchen top layer – 12” white and blue floor tile	Negative	MF12wb
51b	2 nd floor – kitchen top layer – under white and blue floor tile – mastic	Negative	MF12wb
52a	2 nd floor – kitchen bottom layer – gold and red linoleum	Negative	MFLdr
52b	2 nd floor – kitchen bottom layer – under gold and red linoleum – mastic	Negative	MFLdr
53	2 nd floor – living room – on ceiling – texture #2	Negative	STX2
54	2 nd floor – living room – on north wall – texture #2	Negative	STX2
55a	2 nd floor – northwest bedroom – on ceiling – texture #2	Negative	STX2
55b	2 nd floor – northwest bedroom – on ceiling – texture #2 layer 2	Negative	STX2
56	2nd floor – northeast bedroom – on ceiling – texture #2	Positive 3% Chrysotile	STX2
57	2 nd floor – northwest bedroom – on west wall – texture #2	Negative	STX2
58a	2nd floor – hall – 12” gold and blue floor tile	Positive 6% Chrysotile	MF12db
58b	2 nd floor – hall – under floor tile – mastic	Trace <1% Chrysotile	MF12db
58b	POINT COUNT RESULT	Trace <0.25% Chrysotile	MF12db

Sample #	Location and Description	Results	Homogeneous Code
59a	2 nd floor – bathroom top layer – 12” gold and blue floor tile	Positive 3% Chrysotile	MF12db
59b	2 nd floor – bathroom top layer – under floor tile – mastic	Negative	MF12db
60a	2 nd floor – hall – 12” gold and blue floor tile	Positive 3% Chrysotile	MF12db
60b	2 nd floor – hall – under floor tile – mastic	Negative	MF12db
61	2 nd floor – bathroom – on south wall – white wall covering	Negative	MWCw
62a	2 nd floor – bathroom – 2 nd layer – 9” black floor tile	Negative	MF9k
62b	2 nd floor – bathroom – 3 rd layer – 9” gray floor tile	Negative	MF9y
62c	2 nd floor – bathroom – 3 rd layer – under gray floor tile – mastic	Negative	MF9y
62d	2 nd floor – bathroom – 4 th layer – tar paper #2	Negative	MPT2
63	2 nd floor – northeast bedroom – 9” tan floor tile	Negative	MF9t
64	Attic – north side on floor – blown in insulation	Negative	MBI
65	Attic – east side on floor – blown in insulation	Negative	MBI
66	Attic – west side on floor – blown in insulation	Negative	MBI
67a	Roof – top layer – white asphalt shingle	Negative	MRS
67b	Roof – top layer – on asphalt shingle – tar	Negative	MRS
67c	Roof – bottom layer – tar paper #3	Negative	MPT3

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

Material	Homogeneous Code	Location	Approximate Quantity
12” White Floor Tile	MF12w	1 st Floor Front Entry	120 Sq. Ft.
12” Beige Floor Tile	MF12e	1 st Floor Bathroom Bottom Layer	40 Sq. Ft.
Black Caulk	MCLKk	Basement on Southeast Corner Wall	3 Sq. Ft.
White Caulk	MCLKk	Basement on South Wall	4 Ln. Ft.
Texture 2	STX2	2 nd Floor Northeast Bedroom Walls & Ceiling	300 Sq. Ft.
12” Gold & Blue Floor Tile	MF12db	2 nd Floor Hall & Bathroom	120 Sq. Ft.
Duct Paper	TDW	1 st Floor Living Room & Basement Ducts	130 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STC	Stucco
STX	Texture
STX2	Texture #2
MPT	Tar Paper
MPT2	Tar Paper #2
MPT3	Tar Paper #3
MPG	Glazing Compound
MF12rn	12” Red & Brown Floor Tile
MF12n	12” Brown Floor Tile
MF12e	12” Beige Floor Tile

Homogeneous Material Codes

MF12w	12" White Floor Tile
MF12wb	12" White & Blue Floor Tile
MF12db	12" Gold & Blue Floor Tile
MF9t	9" Tan Floor Tile
MF9n	9" Brown Floor Tile
MF9k	9" Black Floor Tile
MF9y	9" Gray Floor Tile
MWCg	Green Wall Covering
MWCe	Beige Wall Covering
MWCI	Yellow Wall Covering
MWCw	White Wall Covering
MFLw	White Linoleum
MFLm	Multicolored Linoleum
MFLwg	White & Green Linoleum
MFLdr	Gold & Red Linoleum
MCTMp	Pink Ceramic Tile
MCLKk	Black Caulk
MCLKw	White Caulk
MBI	Blown in Insulation
MRS	Asphalt Shingle Siding
TFP	Flue Packing
TDW	Duct Paper

Note#1: The caulks, floor tiles, texture #2, and duct paper must be abated by a Wisconsin certified asbestos company prior to fire training.

Note#2: If additional materials are discovered during fire training or 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 fire department and 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>7</u>	Fluorescent Lights – 1 st Floor Dining Room & Bathroom, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>2</u>	Old Thermostats – 1 st Floor Living Room & 2 nd Floor Hall
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 1 Water Heater in Basement

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

ELECTRICAL SYSTEMS – 5 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>2</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>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247773	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/19/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/26/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
002	2	Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
002a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
003	3	Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
003a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
004	4	Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
004a		Layered	Dark Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	Light Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
005a		Layered	Dark Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
008	8	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
009	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
011	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Layered	Tan Floor Tile	Asbestos Present Chrysotile 12	NA	CaCO3 Vinyl
014a		Layered	Yellow/Brown Mastic	Asbestos Not Present	Cellulose 2	Glue
015	15	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
017a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Gypsum Sand
017b		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
018	18	Layered	Tan Skim Coat	Asbestos Not Present	NA	Gypsum Sand
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	Gray Skim Coat	Asbestos Not Present	NA	Gypsum Sand
019a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Mica
020a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
021	21	Homogeneous	Green/White Wall Paper	Asbestos Not Present	Cellulose 98	Binder
022	22	Layered	Brown Paper	Asbestos Not Present	Cellulose 98	
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand

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Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Layered	White Plaster	Asbestos Not Present	NA	Gypsum Sand
023a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
024a		Layered	Gray Skim Coat	Asbestos Not Present	NA	Gypsum Sand
024b		Layered	White Plaster	Asbestos Not Present	NA	Gypsum
025	25	Layered	Gray Skim Coat	Asbestos Not Present	NA	Gypsum Sand

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Date Analyzed: 03/26/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
025b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum Perlite
026	26	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 5	CaCO3 Sand
027	27	Layered	Gray Skim Coat	Asbestos Not Present	NA	Gypsum Sand
027a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
028	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
029	29	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
030a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
031	31	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
031a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
032	32	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
032a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
034	34	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
035	34B	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
036	34C	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
037	35	Homogeneous	Red Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
038	36	Homogeneous	Red Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
039	37	Homogeneous	Red Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	38	Layered	Gray Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
040a		Layered	Black Mastic	Asbestos Not Present	Cellulose	3 Tar
041	39	Layered	Pink Cove Base	Asbestos Not Present	NA	Vinyl
041a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
041b		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
042	40	Homogeneous	Cream Wall Covering	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
043	41	Homogeneous	Cream Wall Covering	Asbestos Not Present	Cellulose 3	CaCO3 Paint
044	42	Homogeneous	Cream Wall Covering	Asbestos Not Present	Cellulose 5	Paint CaCO3
045	43	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 50	Tar Binder
046	44	Layered	Gray Linoleum	Asbestos Not Present	Cellulose 80	Binder
046a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
047	45	Layered	Gray Linoleum	Asbestos Not Present	Cellulose 60	Binder
047a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	46	Homogeneous	Black Tar	Asbestos Present Chrysotile 10	NA	Tar
049	47	Homogeneous	White Caulk	Asbestos Present Chrysotile 2	Talc	10 Binder
050	48	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose	40 Tar Binder
051	49	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose	40 Tar Binder
052	50	Homogeneous	Gray Caulk	Asbestos Not Present	Wollastonite	80 Binder
053	51	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053a		Layered	Brown Mastic	Asbestos Not Present	Cellulose	5 Tar Binder
054	52	Layered	Yellow Mastic	Asbestos Not Present	Cellulose	4 Binder
054a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose	40 Tar Binder
055	53	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
056	54	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
057	55	Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
057a		Layered	White Texture	Asbestos Not Present	Cellulose	3 Mica Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
058	56	Homogeneous	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3
059	57	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Mica Binder
060	58	Layered	Yellow Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
060a		Layered	Yellow Mastic	Asbestos Present Chrysotile <1	Cellulose	2 Glue
061	59	Layered	Green/Tan Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
061a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose	<1 Glue

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 247773	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 03/19/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 03/26/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
062	60	Layered	Tan/Green Floor Tile	Asbestos Present Chrysotile 3	NA	CaCO3 Vinyl
062a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose	<1 Glue
063	61	Homogeneous	White Wall Covering	Asbestos Not Present	Cellulose	60 Binder Paint
064	62	Layered	Brown Floor Tile	Asbestos Not Present	NA	Rubber
064a		Layered	Black Floor Tile	Asbestos Not Present	NA	Rubber
064b		Layered	Black Mastic	Asbestos Not Present	Cellulose	3 Tar
064c		Layered	Brown Tar Paper	Asbestos Not Present	Cellulose	80 Tar

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

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Date Analyzed: 03/26/2015	Project: DNS
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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
065	63	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 40	Tar Binder
065a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 2	Binder
066	64	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber 99	
067	65	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber 99	
068	66	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 99	

Jeff Mlekush, Laboratory Manager

3/26/2015

Date of Report

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

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Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Phone: (414) 383-4800 Cell Phone: Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004.124 P.O. Number:	
For Lab Use Only Lab No. 247773 (Accept) Reject		Report Results (<input checked="" type="checkbox"/> one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other email	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/18/15 1800	FedEx	<i>[Signature]</i>	3/19/15 10:00

REQUESTED SERVICES (Please <input checked="" type="checkbox"/> the Appropriate Boxes)															
No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		TEM		TEM		Volume / Area (as applicable)	Comments / Notes					
			Bulk Analysis (EPA 600/R-93/116)	400 Point Count	1000 Point Count	Gravimetric Preparation	Particle ID	Air- AHERA			Air- NIOSH 7402	Air- ISO 10312	Drinking Water- EPA 100.2	Waste Water- EPA 600/4-83-043	Bulk- Presence / Absence EPA600/R-93/116
1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
10		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						



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 Lab No. 247773
 Accept Reject

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



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Lab No. 247713
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31				
32	32				
33	33				
34	34				
35	34B				
36	34C				
37	35				
38	36				
39	37				
40	38				
41	39				
42	40				
43	41				
44	42				
45	43				
46	44				
47	45				
48	46				
49	47				
50	48				



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For Lab Use Only
Lab No. <u>24773</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
51	49				
52	50				
53	51				
54	52				
55	53				
56	54				
57	55				
58	56				
59	57				
60	58				
61	59				
62	60				
63	61				
64	62				
65	63				
66	64				
67	65				
68	66				
9					
0					



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248365	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 04/06/2015	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/07/2015	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	67	Layered	White Shingle	Asbestos Not Present	Glass Fiber 40	Tar Sand
001a		Layered	Black Tar	Asbestos Not Present	NA	Tar
001b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

Jeff Mlekush, Laboratory Manager

4/7/2015

Date of Report

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

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Lab No. <u>248365</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box
<input checked="" type="checkbox"/> QuanTEM Website
<input type="checkbox"/> Other_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.124	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>4/3/15 1700</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>4/6/15 9:46</u>
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REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME					
	<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Other	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input checked="" type="checkbox"/> 24 - Hour	<input type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	67	<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 type="checkbox"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248432	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 04/07/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 04/08/2015	Project: DNS - 400 PTCT for 247773
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.124

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	47	Homogeneous	White Caulk	Asbestos Present Chrysotile 3.50 400 Point Count	NA	
002	58	Homogeneous	Yellow Mastic	Asbestos Present Chrysotile <0.25 400 Point Count	NA	

Gayle Ooten, Analyst

4/8/2015

Date of Report

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

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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: 15-400-004.124 PO Number:	
Report Results (☑ one box) <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other email		Lab No. _____ Accept _____ Reject _____	

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	Email	Judy Rowan	4/7/15 2:30

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	47	<input checked="" type="checkbox"/>				
2	58	<input checked="" type="checkbox"/>		mastic		Quantem Lab #247773
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

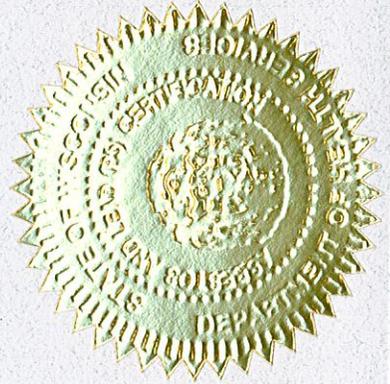
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor



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


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

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

Training due by: 03/19/2016

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Rear Dwelling
528A West Orchard Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 15-400-004.528A
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 2015

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the rear dwelling at 528A West Orchard Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall/joint compound, ceramic tile, window glazing compound, transite siding, flue packing, tar 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 and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On April 15, 2015, HMG conducted an asbestos inspection of a one family rear dwelling, scheduled for mechanical demolition, located at 528A West Orchard Street, Milwaukee, Wisconsin. The inspection was conducted by Cecil Trawick, Wisconsin License No. AII – 104769.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1a	1 st floor – kitchen – north wall – mastic	Negative	SPI
1b	1 st floor – kitchen – north wall – plaster skim coat	Negative	SPI
1c	1 st floor – kitchen – north wall – plaster base coat	Negative	SPI
2a	1 st floor – east bedroom – north wall – plaster skim coat	Negative	SPI
2b	1 st floor – east bedroom – north wall – plaster base coat	Negative	SPI
3a	1 st floor – west bedroom – north wall – joint compound layer	Negative	SPI
3b	1 st floor – west bedroom – north wall – plaster skim coat	Negative	SPI
3c	1 st floor – west bedroom – north wall – plaster base coat	Negative	SPI
4a	1 st floor – bathroom – west wall – plaster skim coat	Negative	SPI
4b	1 st floor – bathroom – west wall – plaster base coat	Negative	SPI
5a	Attic – stair – north wall – joint compound layer	Negative	SPI
5b	Attic – stair – north wall – plaster skim coat	Negative	SPI
5c	Attic – stair – north wall – plaster base coat	Negative	SPI
6a	1 st floor – living room – west wall – joint compound	Negative	MDW
6b	1 st floor – living room – west wall – drywall	Negative	MDW
7a	1 st floor – living room – south wall – joint compound	Negative	MDW
7b	1 st floor – living room – south wall – drywall	Negative	MDW
8a	1 st floor – back store room – north wall – joint compound	Negative	MDW
8b	1 st floor – back store room – north wall – drywall	Negative	MDW
9a	1 st floor – kitchen – on east wall – white ceramic tile	Negative	MCTMw
9b	1 st floor – kitchen – on east wall – under ceramic tile – mastic	Negative	MCTMw
9c	1 st floor – kitchen – on east wall – grout	Negative	MCTMw
10a	1 st floor – kitchen – on west wall – white ceramic tile	Negative	MCTMw
10b	1 st floor – kitchen – on west wall – under ceramic tile – mastic	Negative	MCTMw
10c	1 st floor – kitchen – on west wall – grout	Negative	MCTMw
11a	1 st floor – kitchen – on south wall – white ceramic tile	Negative	MCTMw
11b	1 st floor – kitchen – on south wall – under ceramic tile – mastic	Negative	MCTMw
11c	1 st floor – kitchen – on south wall – grout	Negative	MCTMw
12a	1 st floor – kitchen – on west wall – gray ceramic tile	Negative	MCTMy

Sample #	Location and Description	Results	Homogeneous Code
12b	1 st floor – kitchen – on west wall – under ceramic tile – mastic	Negative	MCTMy
13a	1 st floor – bathroom – on west wall – blue ceramic tile	Negative	MCTMb
13b	1 st floor – bathroom – on west wall – under ceramic tile – mastic	Negative	MCTMb
14	1 st floor – bathroom – on window – glazing compound	Negative	MPG
15	1 st floor – kitchen – on window – glazing compound	Negative	MPG
16	1 st floor – living room – on window – glazing compound	Negative	MPG
17	Exterior – south wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
18	Exterior – east wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
19	Exterior – north wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
20	Attic – on chimney – flue packing	Negative	TFP
21	Exterior – south wall under transite – tar paper	Negative	MPT
22	Exterior – east wall under transite – tar paper	Negative	MPT
23	Exterior – north wall under transite – tar paper	Negative	MPT

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls Under Vinyl Siding	1,100 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
1 st	Kitchen/Bathroom/Entry	Floor Tile & Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMb	Blue Ceramic Tile
MPG	Glazing Compound
MTP	Transite
MPT	Tar Paper
TFP	Flue Packing

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in the Attic. 1 Water Heater in Kitchen

<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

<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>1</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

* 4 Gallons Paint in Living Room, 8 Gallons Paint in Attic

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 248802	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 04/16/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/22/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
001a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
001b		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Quartz CaCO3
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

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



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Date Analyzed: 04/22/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003b		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005b		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Quartz CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
008	8	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
009	9	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
009b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
010	10	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
010b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
011	11	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
011b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
012	12	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
012a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
013	13	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
013a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
014	14	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
018	18	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
019	19	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
020	20	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.528A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
022	22	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
023	23	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

Gayle Ooten, Analyst

4/22/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>248802</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Report Results (<input checked="" type="checkbox"/> one box)
<input checked="" type="checkbox"/> QuanTEM Website
<input type="checkbox"/> Other_email

Project Information	
Project Name: DNS	
Project Location: Milwaukee, WI	
Project ID: 15-400-004.528A	
P.O. Number:	

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:

RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 4/15/15 1700	VIA: FedEx	RECEIVED BY: <i>S. Hoffmich</i>	DATE & TIME: 4/16/15 9:45
---------------------------------------	---------------------------	------------	---------------------------------	---------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

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



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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>248802</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

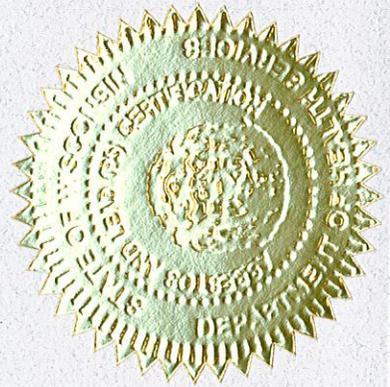
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

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

October 27, 2014

CECIL JAMES TRAWICK JR
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-104769

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

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

Renewing Your Certification

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

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

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

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

Certified Company Affiliation

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

To Update Information and Apply Online

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

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

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

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

Cecil James Trawick Jr
1237 W Bruce St
Milwaukee WI 53204-1218

AII-104769	Exp: 09/19/2015	222 lbs	5' 08"
		07/09/1971	Male

Training due by: 09/19/2015

COPY