



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3200-02 North 34th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.3200
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3200-02 North 34th Street, Milwaukee, Wisconsin.

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

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 17, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 3200-02 North 34th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. 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, linoleum, flue packing, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – west bedroom – east wall – joint compound	Negative	N/A	MDW
1b	1 st floor – west bedroom – east wall – drywall	Negative	N/A	MDW
2a	1 st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
2b	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
3a	2 nd floor – east bedroom – west wall – joint compound	Negative	N/A	MDW
3b	2 nd floor – east bedroom – west wall – drywall	Negative	N/A	MDW
4a	1st floor – kitchen closet top layer – orange and beige linoleum <i>Quantity includes lower stair steps</i>	Positive 25% Chrysotile	30 Sq. Ft.	MFLoe
4b	1 st floor – kitchen closet top layer – under linoleum – fiberboard	Negative	N/A	MFB
5a	1st floor – back entry – top layer – gray linoleum	Positive 60% Chrysotile	20 Sq. Ft.	MFLy
5b	1 st floor – back entry – under linoleum – fiberboard	Negative	N/A	MFB
6	2nd floor – back entry – gray linoleum #2	Positive 60% Chrysotile	20 Sq. Ft.	MFLy2
7	2 nd floor – pantry – on counter – white linoleum	Negative	N/A	MFLw
8	2 nd floor – pantry – north wall – plaster	Negative	N/A	SPI
9	2 nd floor – west bedroom – south wall – plaster	Negative	N/A	SPI
10	Attic – stair – east wall – plaster	Negative	N/A	SPI
11a	1 st floor – west bedroom – south wall – patch layer	Negative	N/A	SPI
11b	1 st floor – west bedroom – south wall – plaster	Negative	N/A	SPI
12	1 st floor – kitchen – east wall – plaster	Negative	N/A	SPI
13	2 nd floor – west bedroom – north wall – texture	Negative	N/A	STX
14	2 nd floor – kitchen – south wall – texture	Negative	N/A	STX
15	2 nd floor – dining room – west wall – texture	Negative	N/A	STX
16	1 st floor – dining room – south wall – texture	Negative	N/A	STX
17	1 st floor – living room – east wall – texture	Negative	N/A	STX
18	Basement – on chimney – white flue packing	Negative	N/A	TFPw
19	Basement – on chimney – gray flue packing	Negative	N/A	TFPy
20	1 st floor – east bedroom – north window – glazing compound	Negative	N/A	MPG
21	1 st floor – kitchen – south window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22	Basement – north window – glazing compound	Positive 4% Chrysotile	33 Windows	MPG

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	250 Sq. Ft.
1 st	All Rooms	Floor Tile & Mastic	650 Sq. Ft.
1 st	Kitchen Closet/Back Entry/Stair	Floor Mastic	50 Sq. Ft.
2 nd	All Rooms	Floor Tile & Mastic	770 Sq. Ft.
Attic	All Rooms	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MFLoe	Orange & Beige Linoleum
MFLy	Gray Linoleum
MFLy2	Gray Linoleum #2
MFLw	White Linoleum
MFB	Fiberboard
MPG	Glazing Compound
TFPy	Gray Flue Packing
TFPw	White 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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233090	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 03/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3200

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	CaCO3 Paint
001a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
002	2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
003	3	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
004	4	Layered	Orange Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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

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



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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3200

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Brown Backing	Asbestos Not Present	Cellulose 100	
005	5	Layered	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 60	NA	Binder
005a		Layered	Brown Backing	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 60	NA	Binder
007	7	Homogeneous	White Linoleum	Asbestos Not Present	Cellulose 25	Tar
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose <1	Sand Gypsum Paint
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum Paint
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
013	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3200

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	Gypsum Perlite Paint
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	Gypsum Perlite Paint
018	18	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
019	19	Homogeneous	Gray Insulation	Asbestos Not Present	Wollastonite	20 CaCO3
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	Talc	2 CaCO3

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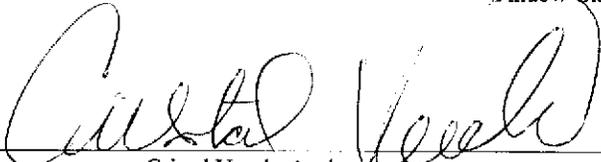


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Date Analyzed: 03/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3200

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3


 Cristal Veech, Analyst

3/21/2014
 Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 233090
 Accept Reject

Report Results one box
 QuanTEM Website
 Other_email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.3200
 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: Dean Jacobsen DATE & TIME: 3/17/14 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 3/18/14 9:40

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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

Do Not Test Mastic



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>233090</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
11	11				
12	12				
13	13				
14	14				
15	15				
16	16				
17	17				
18	18				
19	19				
20	20				
21	21				
22	22				
23					
24					
25					
26					
27					
28					
29					
30					

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

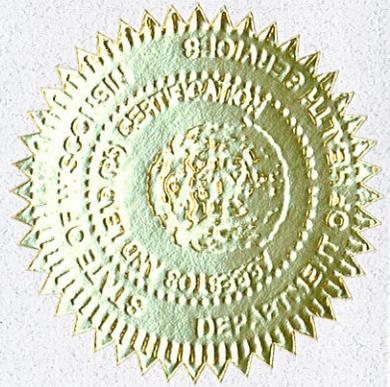
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTION REPORT

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**Two Family Dwelling
2138 North 38th Street
Milwaukee, Wisconsin**

For:

City of Milwaukee
Department of Neighborhood Services
Attn: Marge Piwaron
841 North Broadway 1st Floor
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Contract No.: 360-13-0745**

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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 included plaster, linoleum, ceiling tile, fiberboard, blown in insulation, drywall/joint compound, window glazing compound, transite, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2138a	2 nd floor – kitchen – west wall – plaster skim coat	Negative	N/A	SP1
1-2138b	2 nd floor – kitchen – west wall – plaster base coat	Negative	N/A	SP1
2-2138a	2 nd floor – front room – south wall – plaster skim coat	Negative	N/A	SP1
2-2138b	2 nd floor – front room – south wall – plaster base coat	Negative	N/A	SP1
3-2138a	1 st floor – bathroom – south wall – plaster skim coat	Negative	N/A	SP1
3-2138b	1 st floor – bathroom – south wall – plaster base coat	Negative	N/A	SP1
4-2138a	1 st floor – hall – north wall – plaster skim coat	Negative	N/A	SP1
4-2138b	1 st floor – hall – north wall – plaster base coat	Negative	N/A	SP1
5-2138a	1 st floor – dining room – north wall – patch layer	Negative	N/A	SP1
5-2138b	1 st floor – dining room – north wall – plaster skim coat	Negative	N/A	SP1
5-2138c	1 st floor – dining room – north wall – plaster base coat	Negative	N/A	SP1
6-2138	2nd floor – pantry – under floor tile – gold linoleum	Positive 25% Chrysotile	30 Sq. Ft	MFLd
7-2138	2 nd floor – pantry – under gold linoleum – multi colored linoleum	Negative	N/A	MFLm
9-2138	2 nd floor – kitchen – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
10-2138	2nd floor – kitchen – under floor tile – gold and tan linoleum	Positive 25% Chrysotile	200 Sq. Ft.	MFLdt
11-2138	2nd floor – hall – under floor tile – green linoleum	Positive 25% Chrysotile	25 Sq. Ft.	MFLg
12-2138	2 nd floor – hall – under green linoleum – multi colored linoleum #2	Negative	N/A	MFLm2
13-2138	2 nd floor – bathroom – on walls – fiberboard	Negative	N/A	MFB
14-2138	2 nd floor – bathroom – white linoleum	Negative	N/A	MFLw
16-2138	Attic – under floor – blown in insulation	Negative	N/A	MBI
17-2138	1st floor – pantry – under floor tile – gray linoleum	Positive 25% Chrysotile	30 Sq. Ft	MFLy
18-2138a	1 st floor – kitchen – ceiling – joint compound layer 1	Positive 2% Chrysotile	N/A	MDW
18-2138b	1 st floor – kitchen – ceiling – joint compound layer 2	Positive 3% Chrysotile	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2138c	1 st floor – kitchen – ceiling – drywall	Negative	N/A	MDW
18-2138	COMPOSITE POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MDW
19-2138a	1 st floor – north bedroom – west wall – joint compound layer 1	Positive 2% Chrysotile	N/A	MDW
19-2138b	1 st floor – north bedroom – west wall – joint compound layer 2	Positive 2% Chrysotile	N/A	MDW
19-2138c	1 st floor – north bedroom – west wall – drywall	Negative	N/A	MDW
19-2138	COMPOSITE POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	MDW
20-2138a	1 st floor – family room – north wall – joint compound layer 1	Positive 2% Chrysotile	N/A	MDW
20-2138b	1 st floor – family room – north wall – joint compound layer 2	Positive 2% Chrysotile	N/A	MDW
20-2138c	1 st floor – family room – north wall – drywall	Negative	N/A	MDW
20-2138	COMPOSITE POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MDW
21-2138	1 st floor – kitchen – white ceiling tile	Negative	N/A	MSCTw
22-2138	1 st floor – kitchen – troweled look ceiling tile	Negative	N/A	MSCT24T
23-2138	1st floor – kitchen – bottom layer – gray linoleum #2	Positive 25% Chrysotile	200 Sq. Ft.	MFLy2
24-2138a	1 st floor – kitchen – under plywood – brown linoleum	Negative	N/A	MFLn
24-2138b	1st floor – kitchen – under brown linoleum – beige linoleum	Positive 25% Chrysotile	200 Sq. Ft.	MFLe
25-2138	1 st floor – bathroom – white linoleum #2	Negative	N/A	MFLw2
26-2138	1 st floor – kitchen – west window – glazing compound	Negative	N/A	MPG
27-2138	Exterior – east wall – transite siding	Positive 25% Chrysotile	3,400 Sq. Ft.	MTP
28-2138	Exterior – west wall – transite siding	Positive 25% Chrysotile	Reference 27-2138	MTP
29-2138	Exterior – south wall – transite siding	Positive 20% Chrysotile	Reference 27-2138	MTP
30-2138	1st floor – hall – on wall vent – duct paper <i>Quantity includes 1st and 2nd floor ducts</i>	Positive 80% Chrysotile	30 Sq. Ft.	TDW
31-2138	1st floor – front room – on wall vent – duct paper	Positive 80% Chrysotile	Reference 30-2138	TDW
32-2138	2 nd floor – family room – south window – glazing compound	Negative	N/A	MPG
33-2138	1 st floor – front room – west window – glazing compound	Negative	N/A	MPG

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,400 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 st	Pantry/Kitchen/Hall/Bathroom	Floor Tile & Mastics	300 Sq. Ft.
2 nd	Stair/Pantry/Kitchen/Hall/Bathroom	Floor Tile & Mastics	450 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
MFLd	Gold Linoleum
MFLm	Multicolored Linoleum
MFLdt	Gold & Tan Linoleum
MFLg	Green Linoleum
MFLm2	Multicolored Linoleum #2
MFLw	White Linoleum
MFLy	Gray Linoleum
MFLy2	Linoleum #2
MFLe	Beige Linoleum
MFLn	Brown Linoleum
MFLw2	White Linoleum #2
MSCT24P	2' x 4' Pinholed Ceiling Tile
MSCTw	White Ceiling Tile
MSCT24T	2' x 4' Troweled Ceiling Tile
MFB	Fiberboard
MBI	Blown in Insulation
MDW	Drywall
MPG	Glazing Compound
MTP	Transite
TDW	Duct Paper

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

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

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

Note#4: Assume additional duct paper in inaccessible basement. Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

Basement was not accessible – access blocked by wood, doors, and garbage – basement may contain additional duct paper. 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 & Family 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

* 35 Gallons Paint in 2nd Floor Bedroom

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231644	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/10/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2138	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2-2138	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3-2138	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4-2138	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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

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



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Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
005	5-2138	Layered	White Texture	Asbestos Not Present	NA	CaCO3
005a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
005b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6-2138	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
007	7-2138	Homogeneous	Cream Linoleum	Asbestos Not Present	Cellulose 25	Tar
008	9-2138	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 231644	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
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Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/10/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	10-2138	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
010	11-2138	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
011	12-2138	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 25	Vinyl
012	13-2138	Homogeneous	Brown/White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
013	14-2138	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
014	16-2138	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 99	Binder
015	17-2138	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	18-2138	Layered	Cream Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
016a		Layered	Cream Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
016b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
017	19-2138	Layered	Cream Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
017a		Layered	Cream Joint Compound	Asbestos Present Chrysotile 2	Cellulose 2	CaCO3
017b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
018	20-2138	Layered	Cream Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/10/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	Cream Joint Compound	Asbestos Present Chrysotile 2	NA	CaCO3
018b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
019	21-2138	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
020	22-2138	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
021	23-2138	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
022	24-2138	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
022a		Layered	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 231644	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/10/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2138

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	25-2138	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
024	26-2138	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
025	27-2138	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
026	28-2138	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
027	29-2138	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
028	30-2138	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder
029	31-2138	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231644

Account Number: B929

Date Received: 02/07/2014

Received By: Joanna Mueller

Date Analyzed: 02/10/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.2138

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	32-2138	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
031	33-2138	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3

Gayle Ooten, Analyst

2/10/2014

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>231644</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 checked="" 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: 13-2000-068.2138	
SAMPLED BY: _____	Date:	P.O. Number:	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 2/6/14 1700	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 2/7/14 1000
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REQUESTED SERVICES (Please check the appropriate boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2138	<input checked="" type="checkbox"/>			
2	2-2138	<input type="checkbox"/>			
3	3-2138	<input type="checkbox"/>			
4	4-2138	<input type="checkbox"/>			
5	5-2138	<input type="checkbox"/>			
6	6-2138	<input type="checkbox"/>			Do Not Test Mastic
7	7-2138	<input type="checkbox"/>			
8	9-2138	<input type="checkbox"/>			
9	10-2138	<input type="checkbox"/>			
10	11-2138	<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. 23644
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
Company: Harenda Management Group		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	12-2138	<input checked="" type="checkbox"/>				Do Not Test Mastic
12	13-2138	<input type="checkbox"/>				
13	14-2138	<input type="checkbox"/>				
14	16-2138	<input type="checkbox"/>				
15	17-2138	<input type="checkbox"/>				
16	18-2138	<input type="checkbox"/>				
17	19-2138	<input type="checkbox"/>				
18	20-2138	<input type="checkbox"/>				
19	21-2138	<input type="checkbox"/>				
20	22-2138	<input type="checkbox"/>				
21	23-2138	<input type="checkbox"/>				
22	24-2138	<input type="checkbox"/>				
23	25-2138	<input type="checkbox"/>				
24	26-2138	<input type="checkbox"/>				
25	27-2138	<input type="checkbox"/>				
26	28-2138	<input type="checkbox"/>				
27	29-2138	<input type="checkbox"/>				
28	30-2138	<input type="checkbox"/>				
29	31-2138	<input type="checkbox"/>				
30	32-2138	<input type="checkbox"/>				



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Lab No. <u>231644</u>
<input type="checkbox"/> Accept <input checked="" type="checkbox"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	33-218	<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"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231767

Account Number: B929

Date Received: 02/12/2014

Received By: Sherrie Leftwich

Date Analyzed: 02/12/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: PT CT for 231644, DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.2138

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18-2138	Composite	Cream/White Texture/Joint Compound/Sheetrock	Asbestos Present Chrysotile 1.00 400 Point Count	NA	
002	19-2138	Composite	Cream/White Texture/Joint Compound/Sheetrock	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
003	20-2138	Composite	Cream/White Texture/Joint Compound/Sheetrock	Asbestos Present Chrysotile 1.00 400 Point Count	NA	

Gayle Ooten, Analyst

2/12/2014

Date of Report

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobson@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 13-2000-068.2138 PO Number:	
Phone: (414) 383-4800 Cell Phone:		Report Results (☑ one box) <input checked="" type="checkbox"/> Quantem Website <input type="checkbox"/> Other email	

Page 1 of 1
For Lab Use Only
Lab No. 231767
Accept Reject

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	2/12/14 8:45	E-mail	<i>S. Stawicki</i>	2/12/14 8:45

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	18-2138	<input checked="" type="checkbox"/>				Composite Point Count
2	19-2138	<input checked="" type="checkbox"/>				Composite Point Count
3	20-2138	<input checked="" type="checkbox"/>				Composite Point Count
4		<input type="checkbox"/>				Quantem Lab # 231644
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



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

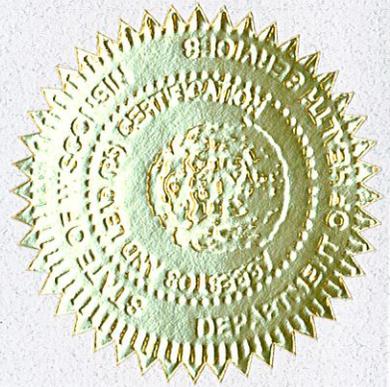
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT

Job Site:

**Two Family Dwelling
5166 North 39th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.5166
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 5166 North 39th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 25, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 5166 North 39th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. 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, transite, tar paper, mortar, ceramic tile, linoleum, drywall/joint compound, flue packing, window glazing compound, and ceiling tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – on walls – transite siding	Positive 25% Chrysotile	1,100 Sq. Ft.	MTP
2	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
5	Exterior – on north foundation wall – mortar patch	Negative	N/A	MMP
6a	2 nd floor – north bedroom – south wall – plaster skim coat	Negative	N/A	SPI
6b	2 nd floor – north bedroom – south wall – plaster base coat	Negative	N/A	SPI
7a	2 nd floor – south bedroom – west wall – plaster skim coat	Negative	N/A	SPI
7b	2 nd floor – south bedroom – west wall – plaster base coat	Negative	N/A	SPI
8a	1 st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
8b	1 st floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
9	1 st floor – dining room – north wall – plaster	Negative	N/A	SPI
10a	1 st floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
10b	1 st floor – living room – east wall – plaster base coat	Negative	N/A	SPI
11a	1 st floor – living room – ceiling west side – texture	Negative	N/A	STX
11b	1 st floor – living room – ceiling west side – texture layer 2	Negative	N/A	STX
12a	1 st floor – living room – ceiling east side – texture	Negative	N/A	STX
12b	1 st floor – living room – ceiling east side – texture layer 2	Negative	N/A	STX
13a	1 st floor – living room – ceiling center – texture	Negative	N/A	STX
13b	1 st floor – living room – ceiling center – texture layer 2	Negative	N/A	STX
14	1 st floor – dining room – north wall – texture #2	Negative	N/A	STX2
15	1 st floor – dining room – east wall – texture #2	Negative	N/A	STX2
16	1 st floor – dining room – west wall – texture #2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17	1 st floor – living room – north wall – texture #3	Negative	N/A	STX3
18	1 st floor – living room – west wall – texture #3	Negative	N/A	STX3
19	1 st floor – living room – east wall – texture #3	Negative	N/A	STX3
20a	1 st floor – living room – at fireplace – gray ceramic tile	Negative	N/A	MCTMy
20b	1 st floor – living room – at fireplace – grout	Negative	N/A	MCTMy
21a	1 st floor – kitchen – on north wall – white ceramic tile	Negative	N/A	MCTMw
21b	1 st floor – kitchen – on north wall – grout	Negative	N/A	MCTMw
22	2 nd floor – bathroom – tub wall – drywall	Negative	N/A	MDW
23	1 st floor – kitchen – west side under floor tile – tan linoleum	Positive 25% Chrysotile	180 Sq. Ft.	MFLt
24	1 st floor – kitchen – east side under floor tile – tan linoleum	Positive 25% Chrysotile	Reference Sample 23	MFLt
25	Basement – stair – tan linoleum	Positive 25% Chrysotile	Reference Sample 23	MFLt
26	2 nd floor – bedroom – 1' x 1' ceiling tile	Negative	N/A	MSCT11
27a	Basement – on chimney – flue packing top layer	Negative	N/A	TFP
27b	Basement – on chimney – flue packing bottom layer	Negative	N/A	TFP
28	2 nd floor – stair – on window – glazing compound	Negative	N/A	MPG
29	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
30	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
31a	2 nd floor – bathroom – tub wall – texture #4	Negative	N/A	STX4
31b	2 nd floor – bathroom – tub wall – under texture #4 – fiberboard	Negative	N/A	STX4

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	150 Sq. Ft.
2 nd	Bathroom	Floor Tile & Mastic	60 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
MTP	Transite
MPT	Tar Paper
MMP	Mortar Patch
MCTMy	Gray Ceramic Tile
MCTMw	White Ceramic Tile
MPG	Glazing Compound
MFLt	Tan Linoleum

Homogeneous Material Codes

MSCT1	1' x 1' Ceiling Tile
MDW	Drywall
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 & Family Services.

Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233471

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
006a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5166

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
007a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
008	8	Layered	White Skim Coat	Asbestos Not Present	Wollastonite Talc	2 Gypsum 2 CaCO3 Paint
008a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
009	9	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
010	10	Layered	White Skim Coat	Asbestos Not Present	Wollastonite Talc	<1 Gypsum <1 CaCO3
010a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5166

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	Tan Texture	Asbestos Not Present	Wollastonite 3	CaCO3 Gypsum Talc
011a		Layered	White Skim Coat	Asbestos Not Present	Talc <1	Gypsum Paint
012	12	Layered	Tan Texture	Asbestos Not Present	Wollastonite 2 Talc <1	CaCO3 Gypsum Talc
012a		Layered	White Skim Coat	Asbestos Not Present	Wollastonite 2 Talc <1	Gypsum Paint
013	13	Layered	Tan Texture	Asbestos Not Present	Wollastonite <1 Talc <1	CaCO3 Gypsum Paint
013a		Layered	White Skim Coat	Asbestos Not Present	Wollastonite <1 Talc <1	Gypsum CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233471

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
014a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
015	15	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite Paint
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
017	17	Homogeneous	White Texture	Asbestos Not Present	Wollastonite Talc	2 Gypsum 2 CaCO3 Talc
018	18	Homogeneous	White Texture	Asbestos Not Present	Wollastonite Talc	2 Gypsum 2 CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White Texture	Asbestos Not Present	Wollastonite 2 Talc <1	CaCO3 Gypsum Paint
020	20	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
020a		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
021	21	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
021a		Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3
022	22	Homogeneous	White Sheetrock	Asbestos Not Present	NA	Gypsum
023	23	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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. 233471	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/27/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/01/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
025	25	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
026	26	Homogeneous	White Sheetrock	Asbestos Not Present	NA	Gypsum
027	27	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
027a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
028	28	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
029	29	Homogeneous	White Window Glazing	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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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233471

Account Number: B929

Date Received: 03/27/2014

Received By: Joanna Mueller

Date Analyzed: 04/01/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5166

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
031	31	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint
031a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

Cristal Veech, Analyst

4/1/2014
Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

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For Lab Use Only	
Lab No. 233471	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: 14-200-061.5166	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 3/26/14 1800	VIA: FedEx	RECEIVED BY: <i>G. Mueller</i>	DATE & TIME: 3/27/14 10:00
---------------------------------------	---------------------------	------------	--------------------------------	----------------------------

REQUESTED SERVICES: (Please the Appropriate Boxes)

PLM	PLM	TEM		TEM		TURNAROUND TIME
		Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Rush	
<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	PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Particulate 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	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>232471</u>
<input type="radio"/> Accept <input checked="" type="radio"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
Company: Harenda Management Group		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
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"/>				Do Not Test Mastic
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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For Lab Use Only
Lab No. <u>233971</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

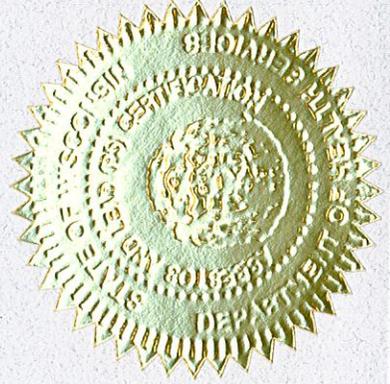
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
5068 North 48th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.5068
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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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 5068 North 48th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, fiberboard, window glazing compound, duct paper, drywall/joint compound, linoleum, ceramic tile, ceiling 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*.

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 25, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 5068 North 48th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – west wall under tar paper – fiberboard	Negative	N/A	MFB
5	Exterior – south wall under tar paper – fiberboard	Negative	N/A	MFB
6	Exterior – east wall under tar paper – fiberboard	Negative	N/A	MFB
7	1st floor – kitchen – west window – glazing compound	Positive 3% Chrysotile	16 Windows	MPG
8	1st floor – living room – on east wall duct – duct paper	Positive 60% Chrysotile	40 Sq. Ft.	TDW
9	1st floor – bathroom – on north wall duct – duct paper	Positive 60% Chrysotile	Reference Sample 8	TDW
10	1st floor – south bedroom – on west wall duct – duct paper	Positive 60% Chrysotile	Reference Sample 8	TDW
11	1 st floor – living room – under wood floor – tar paper #2	Negative	N/A	MPT2
12	1 st floor – hall – under wood floor – tar paper #2	Negative	N/A	MPT2
13	1 st floor – south bedroom – under wood floor – tar paper #2	Negative	N/A	MPT2
14	1 st floor – living room – west wall – drywall	Negative	N/A	MDW
15a	1 st floor – bathroom – north wall – joint compound	Negative	N/A	MDW
15b	1 st floor – bathroom – north wall – joint compound layer 2	Negative	N/A	MDW
15c	1 st floor – bathroom – north wall – drywall	Negative	N/A	MDW
16	1 st floor – south bedroom – east wall – drywall	Negative	N/A	MDW
17	1 st floor – bathroom – top layer – tan linoleum	Negative	N/A	MFLt
18	1 st floor – bathroom – bottom layer – yellow linoleum	Negative	N/A	MFLi
19	Basement – north side – yellow linoleum	Negative	N/A	MFLi
20	Basement – center – yellow linoleum	Negative	N/A	MFLi
21	1 st floor – kitchen – on wall – white ceramic tulle	Negative	N/A	MCTMw
22	1 st floor – kitchen – on wall – red ceramic tile	Negative	N/A	MCTMr
23	1 st floor – kitchen – top layer – white linoleum	Negative	N/A	MFLw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
24	1 st floor – kitchen – under 3 layers floor tile – gold linoleum <i>Quantity includes basement stair</i>	Positive 25% Chrysotile	150 Sq. Ft.	MFLd
25	Attic – center – beige linoleum	Negative	N/A	MFLe
26	Basement – west side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
27	Basement – east side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
28	Basement – north side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
29	Basement – on chimney – top layer – white flue packing	Positive 20% Chrysotile	4 Sq. Ft.	TFPw
29	Basement – on chimney – bottom layer – gray flue packing	Positive 10% Chrysotile	4 Sq. Ft.	TFPy
30a	Basement – stair – east wall – plaster skim coat	Negative	N/A	SPI
30b	Basement – stair – east wall – plaster base coat	Negative	N/A	SPI
30c	Basement – stair – east wall – drywall	Negative	N/A	SPI
31a	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
31b	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
32a	1 st floor – southeast bedroom – south wall – plaster skim coat	Negative	N/A	SPI
32b	1 st floor – southeast bedroom – south wall – plaster base coat	Negative	N/A	SPI
33	1 st floor – living room – west wall – plaster	Negative	N/A	SPI
34	1 st floor – northeast bedroom – north wall – plaster	Negative	N/A	SPI

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	750 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	200 Sq. Ft.
1 st	Kitchen/Bathroom/Stair	Floor Tile & Mastic	500 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MPT2	Tar Paper #2
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MFLt	Tan Linoleum
MFLd	Gold Linoleum
MFLl	Yellow Linoleum
MFLw	White Linoleum
MFLe	Beige Linoleum
MCTMw	White Ceramic Tile
MCTMr	Red Ceramic Tile
MSCT24	2' x 4' Ceiling Tile
TFPy	Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 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 – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>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 Kitchen

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233422	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

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

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

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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
010	10	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
011	11	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
014	14	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233422	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	White Texture	Asbestos Not Present	NA	Quartz Paint
015a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
015b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
016	16	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
017	17	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
018	18	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
019	19	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233422	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
021	21	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
022	22	Homogeneous	Red Flooring	Asbestos Not Present	Cellulose <1	CaCO3 Quartz
023	23	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
024	24	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
025	25	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Tar
026	26	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite

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

Polarized Light Microscopy Asbestos Analysis Report

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Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
028	28	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
029	29	Layered	White Insulation	Asbestos Present Chrysotile 20	NA	CaCO3
029a		Layered	Gray Insulation	Asbestos Present Chrysotile 10	Glass Fiber 30	CaCO3
030	30	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
030a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
030b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

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

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
031a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
032	32	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
032a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
033	33	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
034	34	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint

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

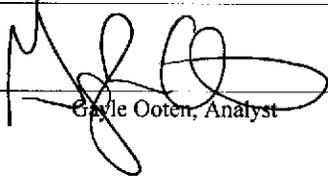
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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233422	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/30/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5068

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				3/30/2014		
	Gayle Ooten, Analyst			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

LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 233422
 Accept Reject

Report Results one box
 QuanTEM Website
 Other_email

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-061.5068
 P.O. Number:

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

RELINQUISHED BY [Signature] **DATE & TIME** 3/25/14 1:00 **VIA** FedEx **RECEIVED BY** [Signature] **DATE & TIME** 3/26/14 9:30

REQUESTED SERVICES (Please check the appropriate boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
<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"/>	400 Point Count	<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"/>	Gavimetric Preparation	<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"/>				



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For Lab Use Only
Lab No. <u>253422</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				Do Not Test Mastic
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>23422</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)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Comments / Notes	
31	31	<input checked="" type="checkbox"/>			
32	32	<input type="checkbox"/>			
33	33	<input type="checkbox"/>			
34	34	<input checked="" type="checkbox"/>			
35		<input type="checkbox"/>			
36		<input type="checkbox"/>			
37		<input type="checkbox"/>			
38		<input type="checkbox"/>			
39		<input type="checkbox"/>			
40		<input type="checkbox"/>			
41		<input type="checkbox"/>			
42		<input type="checkbox"/>			
43		<input type="checkbox"/>			
44		<input type="checkbox"/>			
45		<input type="checkbox"/>			
46		<input type="checkbox"/>			
47		<input type="checkbox"/>			
48		<input type="checkbox"/>			
49		<input type="checkbox"/>			
50		<input type="checkbox"/>			

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

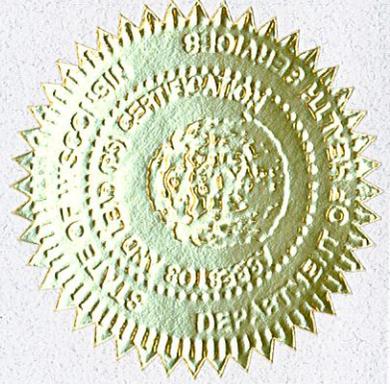
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
5337 North 48th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061. 5337
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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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 5337 North 48th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 25, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 5337 North 48th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
2	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
3	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
4	Exterior – east wall under fiberboard – tar paper	Negative	N/A	MPT
5	Exterior – west wall under fiberboard – tar paper	Negative	N/A	MPT
6	Exterior – south wall under fiberboard – tar paper	Negative	N/A	MPT
7	1 st floor – kitchen – east window – glazing compound	Negative	N/A	MPG
8	Exterior – southwest corner pieces on ground – transite <i>Quantity includes exterior and living room</i>	Positive 25% Chrysotile	120 Sq. Ft.	MTP
9	1st floor – living room north side – pieces on floor – transite	Positive 25% Chrysotile	Reference Sample 8	MTP
10	1st floor – living room east side – pieces on floor – transite	Positive 25% Chrysotile	Reference Sample 8	MTP
11a	1 st floor – kitchen – on wall – white ceramic tile	Negative	N/A	MCTMw
11b	1 st floor – kitchen – on wall – grout	Trace <1% Chrysotile	N/A	MCTMw
11b	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MCTMw
12	1 st floor – kitchen – ceiling tile	Negative	N/A	MSCT
13	1 st floor – kitchen – under floor tile – tar paper #2	Negative	N/A	MPT2
14	1 st floor – hall – under floor tile – tar paper #2	Negative	N/A	MPT2
15	1 st floor – living room – under floor tile – tar paper #2	Negative	N/A	MPT2
16	1 st floor – bathroom – on west wall – mastic	Negative	N/A	MWM
17a	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
17b	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
18a	1 st floor – kitchen – south wall – joint compound	Positive 2% Chrysotile	N/A	MDW
18b	1 st floor – kitchen – south wall – joint compound layer 2	Positive 2% Chrysotile	N/A	MDW
18c	1 st floor – kitchen – south wall – drywall	Negative	N/A	MDW
18	COMPOSITE POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19a	1 st floor – living room – south wall – joint compound	Positive 3% Chrysotile	N/A	MDW
19b	1 st floor – living room – south wall – drywall	Negative	N/A	MDW
19	COMPOSITE POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MDW
20a	1 st floor – bathroom floor – gray ceramic tile	Negative	N/A	MCTMy
20b	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMy
21	2 nd floor – hall top layer – brown linoleum	Negative	N/A	MFLn
22	2 nd floor – northwest bedroom top layer – brown linoleum	Negative	N/A	MFLn
23	2 nd floor – southwest bedroom top layer – brown linoleum	Negative	N/A	MFLn
24	2 nd floor – northwest bedroom bottom layer – green linoleum	Negative	N/A	MFLg
25	2 nd floor – hall bottom layer – green linoleum	Negative	N/A	MFLg
26	2 nd floor – southwest bedroom bottom layer – green linoleum	Negative	N/A	MFLg
27	2 nd floor – southwest bedroom – ceiling tile #2	Negative	N/A	MSCT2
28	1st floor – living room – on duct – duct paper	Positive 65% Chrysotile	6 Sq. Ft.	TDW

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	500 Sq. Ft.
1 st	Kitchen/Hall	Floor Tile & Mastic	300 Sq. Ft.
2 nd	All Rooms	Floor Mastic	260 Sq. Ft.

Homogeneous Material Codes

MFB	Fiberboard
MPT	Tar Paper
MPT2	Tar Paper #2
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
MCTMy	Gray Ceramic Tile
MWM	Wall Mastic
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MSCT	Ceiling Tile
MSCT2	Ceiling Tile #2

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 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 – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>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 Kitchen

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233418	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/26/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 03/31/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
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	Homogeneous	Tan Window Glazing	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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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233418

Account Number: B929

Date Received: 03/26/2014

Received By: Leigh Armstrong

Date Analyzed: 03/31/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
009	9	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
010	10	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
011	11	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
011a		Layered	White Grout	Asbestos Present Chrysotile <1	NA	CaCO3
012	12	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
013	13	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233418

Account Number: B929

Date Received: 03/26/2014

Received By: Leigh Armstrong

Date Analyzed: 03/31/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
015	15	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
016	16	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
017	17	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
018	18	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
018a		Layered	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233418

Account Number: B929

Date Received: 03/26/2014

Received By: Leigh Armstrong

Date Analyzed: 03/31/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
019	19	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
020	20	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
021	21	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
022	22	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233418

Account Number: B929

Date Received: 03/26/2014

Received By: Leigh Armstrong

Date Analyzed: 03/31/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

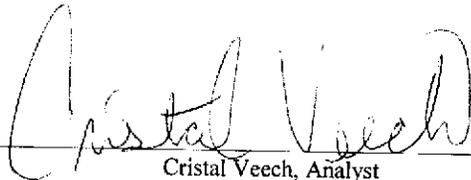
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
024	24	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
025	25	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
026	26	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
027	27	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint


Cristal Veech, Analyst

3/31/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY
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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058
LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 233418
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11					Do Not Test Waste
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

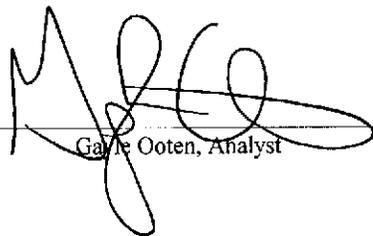


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233853	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/07/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.5337

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	28	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 25	Binder



Gayle Ooten, Analyst

4/7/2014
Date of Report

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

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



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LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-061.5337 P.O. Number:	
For Lab. Use Only Lab No. 233823 <input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject		Report Results (one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other email	

SAMPLED BY: Name: <i>[Signature]</i>	RELINQUISHED BY: Name: <i>[Signature]</i>	DATE & TIME: 4/4/14 1800	VIA: FedEx	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 4/7/14 10:30
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REQUESTED SERVICES (Please check the appropriate boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	28	<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"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233752

Account Number: B929

Date Received: 04/03/2014

Received By: Sherrie Leftwich

Date Analyzed: 04/04/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: PTCT for 233418, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.5337

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	11	Homogeneous	White Grout	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
002	18	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile 1.00 400 Point Count	NA	
003	19	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Cristal Veech, Analyst

4/4/2014
Date of Report

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

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Page 1 of 1

For Lab Use Only

Lab No. 233752

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	Email: djacobsen@harenda.com	Project ID: 14-200-061.5337	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>4/2/14 6:30</u>	VIA: <u>Email</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>4/3/14 8:00</u>
-------------------------------------	---------------------------------	-------------------	---------------------------------	---------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	11	<input checked="" type="checkbox"/>		grout		Quantem Lab#233418
2	18	<input checked="" type="checkbox"/>				Composite Point Count
3	19	<input checked="" type="checkbox"/>				Composite Point Count
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



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

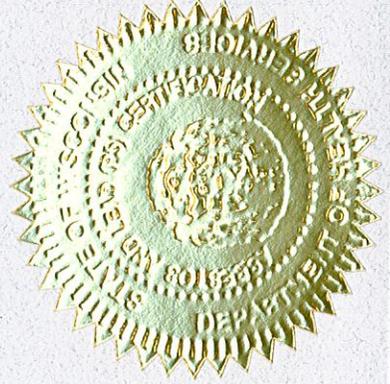
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
4828 North 52nd Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.4828
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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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 4828 North 52nd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 26, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 4828 North 52nd Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. 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, window glazing compound, ceiling tile, flue packing, and cardboard pipe insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
1b	1 st floor – living room – west wall – plaster base coat	Negative	N/A	SPI
2	1 st floor – bathroom – south wall – plaster	Negative	N/A	SPI
3	1 st floor – stairs – west wall – plaster	Negative	N/A	SPI
4a	1 st floor – bedroom – west wall – plaster skim coat	Negative	N/A	SPI
4b	1 st floor – bedroom – west wall – plaster base coat	Negative	N/A	SPI
5	1 st floor – hall – south wall – plaster	Negative	N/A	SPI
6	1 st floor – sun room – west window – glazing compound	Negative	N/A	MPG
7	1 st floor – kitchen – north window – glazing compound	Negative	N/A	MPG
8	1 st floor – living room – east window – glazing compound	Negative	N/A	MPG
9	1 st floor – bedroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
10	Basement – on chimney – flue packing	Negative	N/A	TFP
11a	Basement - <5" diameter cardboard pipe insulation tan layer	Positive 40% Chrysotile	35 Ln. Ft.	TC5
11b	Basement - <5" diameter cardboard pipe insulation black layer	Positive 60% Chrysotile	Reference Sample 11a	TC5

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	750 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	200 Sq. Ft.
1 st	Kitchen/Bathroom/Sun Room	Floor Tile & Mastic	650 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPG	Glazing Compound
MSCT24	2' x 4' Ceiling Tile
TFP	Flue Packing
TC5	<5" Diameter Cardboard Pipe Insulation

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

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

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

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

V. EXCLUSIONS

Garage interior not 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 & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233520	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4828

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 Sand
002	2	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
003	3	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint

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

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



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

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Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4828

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
007	7	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
008	8	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 75	Perlite Paint
010	10	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand CaCO3
011	11	Layered	Tan Pipe Wrap	Asbestos Present Chrysotile 40	Cellulose 50	Glue
011a		Layered	Black Pipe Wrap	Asbestos Present Chrysotile 60	NA	Tar

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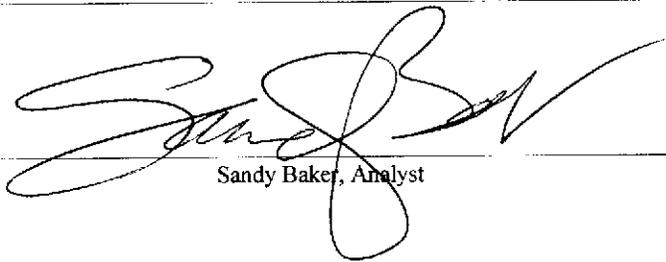


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4828

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

4/2/2014
Date of Report

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

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



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www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 233520
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Contact Information

Company: **Harenda Management Group** Phone: **(414) 383-4800**

Contact: **Dean Jacobsen** Cell Phone: _____

Account #: **B929** E-mail: **djacobsen@harenda.com**

SAMPLED BY: _____ Name: _____ Date: _____

Project Information

Project Name: **DNS**

Project Location: **Milwaukee, WI**

Project ID: **14-200-061.4828**

P.O. Number: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	3/27/14 1800	FedEx	<i>[Signature]</i>	3/28/14 10:20

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		PLM		TEM		TEM		TURNAROUND TIME							
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	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 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"/>
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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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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>233520</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

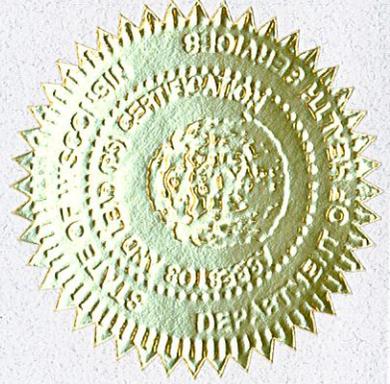
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT
Job Site:

One Family Dwelling
520 West Burnham Street
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-061.520
Contract No.: 360-14-0745

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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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 520 West Burnham Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 26, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 520 West Burnham Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. 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, ceiling tile, linoleum, ceramic tile, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	2 nd floor – bedroom – ceiling – joint compound	Negative	N/A	MDW
1b	2 nd floor – bedroom – ceiling – drywall	Negative	N/A	MDW
2a	Basement – hall – ceiling – joint compound #2	Negative	N/A	MDW2
2b	Basement – hall – ceiling – drywall #2	Negative	N/A	MDW2
3	1 st floor – kitchen – east wall – drywall #3	Negative	N/A	MDW3
4a	1 st floor – bathroom – west wall – joint compound #3	Negative	N/A	MDW3
4b	1 st floor – bathroom – west wall – drywall #3	Negative	N/A	MDW3
5a	1 st floor – living room – south wall – joint compound #3	Negative	N/A	MDW3
5b	1 st floor – living room – south wall – drywall #3	Negative	N/A	MDW3
6	1 st floor – kitchen west side – 2' x 2' grooved ceiling tile	Negative	N/A	MSCT22G
7	1 st floor – kitchen east side – 2' x 2' grooved ceiling tile	Negative	N/A	MSCT22G
8	1 st floor – family room – 2' x 2' grooved ceiling tile	Negative	N/A	MSCT22G
9	1 st floor – bathroom – 2' x 2' smooth ceiling tile	Negative	N/A	MSCT22S
10	1 st floor – bathroom – tan linoleum	Negative	N/A	MFLt
11	1 st floor – bathroom – on wall – blue ceramic tile	Negative	N/A	MCTMb
12	1 st floor – dining room – ceiling – plaster	Negative	N/A	SPI
13	1 st floor – family room – ceiling – plaster	Negative	N/A	SPI
14	1 st floor – kitchen – ceiling – plaster	Negative	N/A	SPI
15	1 st floor – living room – east wall – texture	Negative	N/A	STX
16	Basement – hall – east wall – texture	Negative	N/A	STX
17	Basement – hall – ceiling – texture	Negative	N/A	STX
18	1 st floor – living room – south window – glazing compound	Negative	N/A	MPG
19	1 st floor – living room – east window – glazing compound	Negative	N/A	MPG
20	1 st floor – kitchen – north window – glazing compound	Negative	N/A	MPG
21	1 st floor – living room – tan and white linoleum	Negative	N/A	MFLtw

Notes: N/A = Not Applicable

Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,200 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	360 Sq. Ft.
1 st	Bathroom/Living Room	Floor Mastic	180 Sq. Ft.
Basement	Hall/Bathroom	Floor Tile & Mastic	80 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MDW3	Drywall/Joint Compound #3
MSCT22G	2' x 2' Grooved Ceiling Tile
MSCT22S	2' x 2' Smooth Ceiling Tile
MPG	Glazing Compound
MFLt	Tan Linoleum
MFLtw	Tan Linoleum
MCTMb	Blue Ceramic Tile

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

Garage interior not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233519	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.520

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	CaCO3 Paint
001a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
002	2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
004	4	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	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.



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233519	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.520

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
006	6	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
007	7	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
008	8	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
010	10	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233519	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
012	12	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
013	13	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite Paint
014	14	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite 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	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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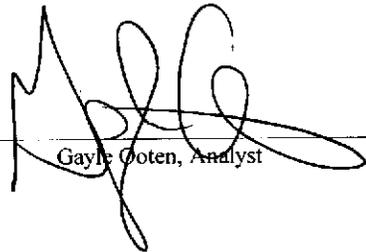


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	19	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl


Gayle Ooten, Analyst

4/2/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 233519
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-061.520
 P.O. Number: _____

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

RELINQUISHED BY: [Signature] DATE & TIME: 3/27/14 1800 VIA: FedEx RECEIVED BY: [Signature] DATE & TIME: 3-28-14 10:20

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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"/>				<u>Do Not Test/Analyze</u>



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>233519</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

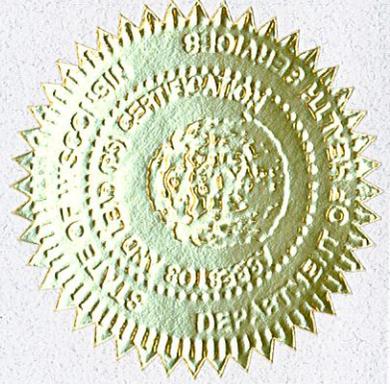
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS SNIP INSPECTION REPORT
Job Site:

One Family Dwelling
8720 West Lynx Avenue
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-061.8720
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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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 8720 West Lynx Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 26, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 8720 West Lynx Avenue, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. 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 drywall/joint compound, ceramic tile, ceiling tile, flue packing, and floor tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under aluminum siding – drywall	Negative	N/A	MDW
2	Exterior – west wall under aluminum siding – drywall	Negative	N/A	MDW
3	Exterior – south wall under aluminum siding – drywall	Negative	N/A	MDW
4	1 st floor – living room – east wall – drywall #2	Negative	N/A	MDW2
5	1 st floor – kitchen – north wall – drywall #2	Negative	N/A	MDW2
6a	1 st floor – stair – south wall – joint compound	Positive 2% Chrysotile	N/A	MDW2
6b	1 st floor – stair – south wall – drywall #2	Negative	N/A	MDW2
6	COMPOSITE POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MDW2
7	1 st floor – hall – north wall – drywall #3	Negative	N/A	MDW3
8	1 st floor – bedroom – west wall – drywall patch	Negative	N/A	MDWP
9a	1 st floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
9b	1 st floor – bathroom floor – grout	Negative	N/A	MCTMw
10	1 st floor – bathroom wall – yellow and white ceramic tile	Negative	N/A	MCTMlw
11	Basement – west side – 2' x 2' ceiling tile	Negative	N/A	MSCT22
12	Basement – east side – 2' x 2' ceiling tile	Negative	N/A	MSCT22
13	Basement – center – 2' x 2' ceiling tile	Negative	N/A	MSCT22
14	Basement – on chimney – flue packing	Negative	N/A	TFP
15a	Basement – 9" brown floor tile	Positive 5% Chrysotile	800 Sq. Ft.	MF9n
15b	Basement – under floor tile – mastic	Negative	N/A	MF9n
16a	Basement – 9" brown floor tile	Positive 7% Chrysotile	Reference Sample 15a	MF9n
16b	Basement – under floor tile – mastic	Negative	N/A	MF9n
17a	Basement – 9" brown floor tile	Positive 7% Chrysotile	Reference Sample 15a	MF9n
17b	Basement – under floor tile – mastic	Negative	N/A	MF9n

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	950 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.
1 st	Kitchen/Bedrooms/Hall	Floor Tile & Mastic	520 Sq. Ft.
1 st	Bathroom	Floor & Wall Mastic	140 Sq. Ft.

Homogeneous Material Codes

MDW	Drywall
MDW2	Drywall/Joint Compound
MDW3	Drywall #3
MDWP	Drywall Patch
MCTMw	White Ceramic Tile
MCTMlw	Yellow & White Ceramic Tile
MSCT22	2' x 2' Ceiling Tile
MF9n	9" Brown Floor Tile
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

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

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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 & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 5 Gallons Paint in Garage

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233517	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.8720

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
002	2	Homogeneous	Brown Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
003	3	Homogeneous	Brown Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
004	4	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
005	5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
006	6	Layered	Beige Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233517	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.8720

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
009	9	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
009a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
010	10	Homogeneous	Yellow/White Ceramic Tile	Asbestos Not Present	NA	Clay
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

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

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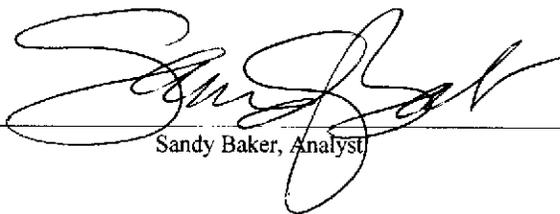


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 233517	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 03/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/02/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.8720

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
014	14	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand CaCO3



Sandy Baker, Analyst

4/2/2014
Date of Report

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

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LABORATORIES
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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-061.8720 P.O. Number:	
SAMPLED BY: Name: <i>Dean Jacobsen</i>		RECEIVED BY: <i>Quell</i>	
DATE & TIME 3/27/14 1800		DATE & TIME 3/28/14 10:20	
VIA FedEx			

For Lab Use Only
 Lab No. 233517
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	3/27/14 1800	FedEx	<i>Quell</i>	3/28/14 10:20

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				Do NOT Test Mastic ↓



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>233517</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	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		<input type="checkbox"/>			
16		<input type="checkbox"/>			
17		<input type="checkbox"/>			
18		<input type="checkbox"/>			
19		<input type="checkbox"/>			
20		<input type="checkbox"/>			
21		<input type="checkbox"/>			
22		<input type="checkbox"/>			
23		<input type="checkbox"/>			
24		<input type="checkbox"/>			
25		<input type="checkbox"/>			
26		<input type="checkbox"/>			
27		<input type="checkbox"/>			
28		<input type="checkbox"/>			
29		<input type="checkbox"/>			
30		<input type="checkbox"/>			

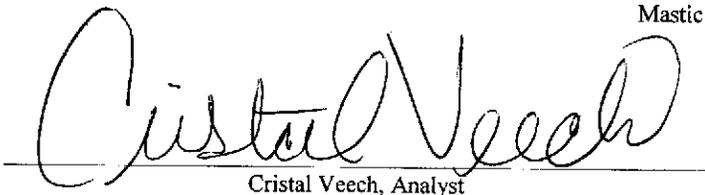


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 233760	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/03/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/04/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.8720

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	15	Layered	Brown Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
001a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
002	16	Layered	Beige Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
002a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
003	17	Layered	Beige Floor Tile	Asbestos Present Chrysotile 7	NA	Vinyl CaCO3
003a		Layered	Black Mastic	Asbestos Not Present	NA	Tar


Cristal Veech, Analyst

4/4/2014
Date of Report

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-061.8720 P.O. Number:	
For Lab Use Only Lab No: 233760 Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>		Report Results (☑ one box) <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other_email	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 4/14/14 1800	VIA FedEx	RECEIVED BY <i>[Signature]</i>	DATE & TIME 4/13/14 10:00
---------------------------------------	-----------------------------	--------------	-----------------------------------	------------------------------

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)					Description	Volume / Area (as applicable)	Comments / Notes
PLM	PLM	TEM	TEM	TURNAROUND TIME			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk Analysis (EPA 600/R-93/116)		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	400 Point Count		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1000 Point Count		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gravimetric Preparation		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Particle ID		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk- Quantitative (weight%) - Chatfield		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust- Presence / Absence		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dust- Quantitative (fibers/sq.cm) - ASTM D5755		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
1	15	<input checked="" type="checkbox"/>					
2	16	<input type="checkbox"/>					
3	17	<input checked="" 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"/>					

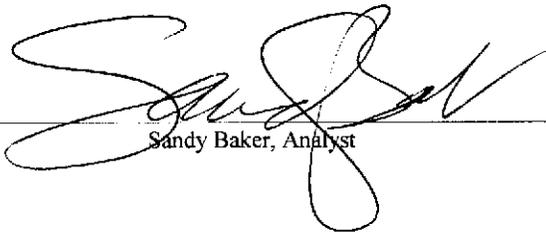


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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233725	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/02/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/03/2014	Project: PTCT for 233517, DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.8720

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	6	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile 0.50 400 Point Count	NA	



Sandy Baker, Analyst

4/3/2014
Date of Report

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

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



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Lab No. 233725
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email

Project Information	
Project Name: DNS	
Project Location: Milwaukee, WI	
Project ID: 14-200-061.8720	
PO 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: <i>[Signature]</i>	Date:

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 4/2/14 1505	VIA: EMAIL	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 4/14 3:00
-------------------------------------	---------------------------------	-------------------	---------------------------------	-------------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	6	<input checked="" type="checkbox"/>			Composite Point Count
2		<input type="checkbox"/>			Quantem Lab#233517
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



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor

