



ASBESTOS INSPECTION REPORT

Job Site:

**Service Garage
209 South 1st Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.209
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....3

VI. Limitations4

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

VIII. Laboratory Results9

IX. HMG Certifications10

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 209 South 1st Street, Milwaukee, Wisconsin.

The inspection included plaster 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 September 12, 2014 HMG conducted an asbestos inspection of a service garage, scheduled for mechanical demolition, located at 209 South 1st Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – garage – west wall – plaster	Negative	N/A	SPI
2	1 st floor – bathroom – south wall – plaster	Negative	N/A	SPI
3	1 st floor – bathroom – ceiling – plaster	Negative	N/A	SPI
4	1 st floor – garage – west windows – glazing compound	Positive 3% Chrysotile	6 Windows	MPG

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	1,400 Sq. Ft.

Homogeneous Material Codes

SPI Plaster
 MPG Glazing Compound

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

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

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

V. EXCLUSIONS

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 – Interior

<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. 240947

Account Number: B929

Date Received: 09/16/2014

Received By: Cherry Rossen

Date Analyzed: 09/18/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.209

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum
003	3	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
004	4	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3

Gayle Ooten, Analyst

9/18/2014

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

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. 24094
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.209
 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** 9/15/14 1600
VIA FedEx
RECEIVED BY [Signature] **DATE & TIME** 9/16/14 1030

REQUESTED SERVICES (Please check 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	<input type="checkbox"/> PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

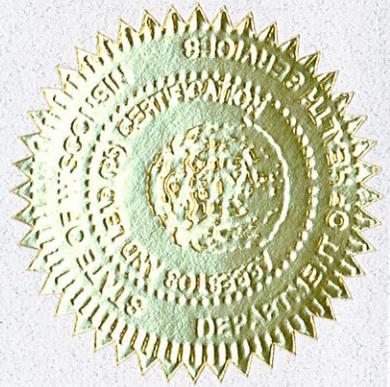
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



**LEAD BASED PAINT
INSPECTION REPORT**

Job Site:

**Service Garage
209 South 1st Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.209L
Contract No.: 360-14-0745**

Dean Jacobsen
Lead Risk Assessor # LRA 14370

Prepared by:

**HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204**

September 2014

TABLE OF CONTENTS

I.	Introduction	2
II.	Component Testing	2
	A. Summary	
	B. Tests Results of Components	
	C. Summary of OSHA Lead Based Paint Regulations	
	D. Summary of Wisconsin Department of Natural Resources Information	
III.	Limitations	4
IV.	Laboratory Results	5

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **209 South 1st Street, Milwaukee, Wisconsin, service garage**. Demolition is planned for the building. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on September 2, 2014. Samples of paint were collected from masonry surfaces (block) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.06% of lead per weight of a paint chip sample.

The results of the analysis was classified as follows:

- Positive:** Any result above the DHS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the DHS 163 Standard of 0.06% lead.

II. COMPONENT TESTING

A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

Exterior: 209 South 1st Street

- **No painted masonry surfaces were observed**

Interior: 209 South 1st Street

- **Painted block was observed on the interior garage walls. Lead was detected above 0.06% on all painted surfaces.**

Reference Test Results of Components below.

B. Test Results of Components:

Site: 209 South 1st Street, Milwaukee, Wisconsin

Date: 9/2/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Garage Interior	North Wall	Block	Gray	0.313	Positive
2L	Garage Interior	North Wall	Block	Green	0.344	Positive
3L	Garage Interior	West Wall	Block	Blue	0.480	Positive

The inspection did find Lead-Based Paint on the building.

If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

Any other paint found in the building that is disturbed should be handled as lead based paint.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30 µg/m³ of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50 µg/m³ of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This

includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

D. Summary of Wisconsin Department of Natural Resources Information

According to Wisconsin Department of Natural Resources Planning Your Demolition or Renovation Project (WA-651), building materials from remodeling or demolition debris that contain lead based paint are considered a waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

III. LIMITATIONS

A limited inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This inspection should not be used for purposes of determining where lead safe renovation or abatement procedures are required except where the samples were collected. This report represents the condition of the building and the visible/ accessible locations sampled at the date and the time of the onsite inspection.

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.

IV. LABORATORY RESULTS



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

Environmental Chemistry Analysis Report

QuanTEM Set ID: 240945
Date Received: 09/16/14
Received By: Judy Rowan
Date Sampled:
Time Sampled:
Analyst: CC
Date of Report: 9/18/2014

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

Acct. No.: B929

Project: DNS
Location: Milwaukee, WI
Project No.: 14-200-042.209

AIHA ID: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	0.313	0.00499	%	09/18/14 14:00	P EPA 7000B (1)
002	2L	Paint	Lead	0.344	0.00488	%	09/18/14 14:00	P EPA 7000B (1)
003	3L	Paint	Lead	0.480	0.00488	%	09/18/14 14:00	P EPA 7000B (1)

Authorized Signature: 
Carter Cox, Lab Tech

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



www.QuanTEM.com

LEAD 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. 240945
 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**
Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.209**

Sampled By: _____ Name: _____ Date: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	9/15/14 1600	FedEx	<i>Judy Rovan</i>	9/16/14 10:30

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis		Units (<input checked="" type="checkbox"/> ONE box only)						
						Pb	X	PPM	Wt %	mg / l	µg / ft ²	µg / m ²	mg / cm ²	
1	1L				B	X								
2	2L													
3	3L													
4														
5														
6														
7														
8														
9														
10														
11														
12														

Sample Matrix Codes	
A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME	
Same Day	
24 - Hour	
3 - Day	<input checked="" type="checkbox"/>
5 - Day	



ASBESTOS INSPECTION REPORT

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1414 North 4th Street
Milwaukee, Wisconsin**

For:

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Department of Neighborhood Services
Attn: Marge Piwaron
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Asbestos Inspector No. AII – 14370

Prepared by:

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The inspection was comprised of three elements:

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, drywall/joint compound, and stair tread. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – section 2 – south wall – joint compound	Negative	N/A	MDW
1b	1 st floor – section 2 – south wall – drywall	Negative	N/A	MDW
2a	1 st floor – entry – west wall – joint compound	Negative	N/A	MDW
2b	1 st floor – office 1 – east wall – drywall	Negative	N/A	MDW
3	2 nd floor – entry – west wall – drywall	Negative	N/A	MDW
4	2 nd floor – office 2 – north wall – plaster	Negative	N/A	SPI
5	2 nd floor – office 1 – east wall – plaster	Negative	N/A	SPI
6	2 nd floor – stair – south wall – plaster	Negative	N/A	SPI
7a	2 nd floor – stair – on steps – stair tread	Negative	N/A	MST
7b	2 nd floor – stair – on steps – under stair tread - brown mastic	Negative	N/A	MST

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	6,300 Sq. Ft.
1 st	Entry/Press Room	Floor Tile & Mastic	1,900 Sq. Ft.
2 nd	Stair/Bathroom	Floor Tile & Mastic	100 Sq. Ft.
1 st /Basement	Southwest Area/Stair	Fire Door	2 Doors

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MST	Stair Tread

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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>2</u>	Air Conditioners (roof top, room , and central) – 2 nd Floor
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – 1 st Floor Clothes Room
<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>110</u>	Fluorescent Lights – All Floors
<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 1st Floor Clothes Room. 3 Water Heaters 1st Floor Southwest Rooms

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

ELECTRICAL SYSTEMS – 2 Electric Meters 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>60</u>	Light Ballasts – All Floors
<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

- * Seven 55 Gallons Drums, Four 30 Gallon Drums, & Five 5 Gallons Buckets Unknown Liquids 1st Floor Center Room & Southwest Rooms
- * One 55 Gallons Drum Unknown Liquids in Basement
- * 20 Gallons Cleaners & 10 Gallons Paint 1st Floor, 50 Gallons Cleaners in Basement
- * 1 Generator 1st Floor Southwest Rooms
- * Four Tanks 1st Floor & Seven Tanks in Basement Unknown Liquids

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. 241121	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/18/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 09/23/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1414

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
002	2	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
004	4	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
005	5	Homogeneous	Light 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.

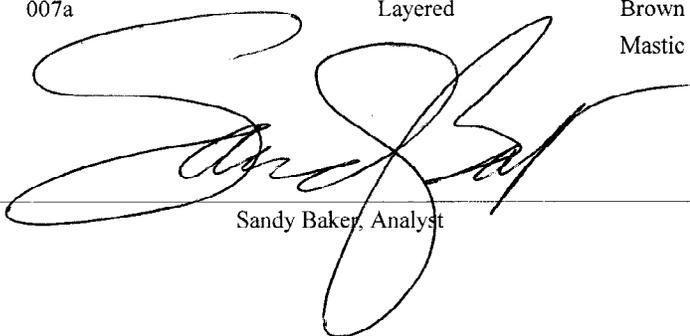


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No:	241121	Client:	Harenda Management Group
Account Number:	B929		Dean Jacobsen
Date Received:	09/18/2014		1237 West Bruce St.
Received By:	Leigh Armstrong		Milwaukee, WI 53204
Date Analyzed:	09/23/2014	Project:	DNS
Analyzed By:	Sandy Baker	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.1414

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
007	7	Layered	Dark Brown Cove Base	Asbestos Not Present	NA	Vinyl
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Paint



Sandy Baker, Analyst

9/23/2014
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

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 SAMPLER BY: [Signature] Name: _____		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1414 P.O. Number: _____	
Phone: (414) 383-4800	Cell Phone: _____	E-mail: djacobsen@harenda.com	Date: _____

RELINQUISHED BY [Signature]	VIA FedEx	RECEIVED BY [Signature]	DATE & TIME 9/17/14 (800)	DATE & TIME 9/18/14
---------------------------------------	---------------------	-----------------------------------	-------------------------------------	-------------------------------

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	PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

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

For Lab Use Only
 Lab No. **21121**
 Accept Reject

Report Results one box
 QuantEM Website
 Other email _____

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

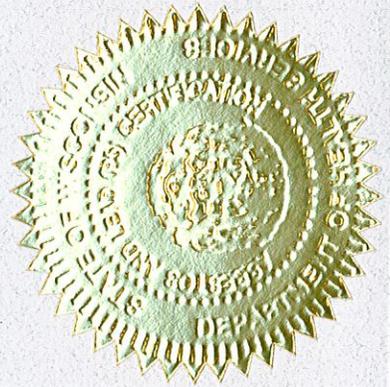
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

COPY



**LEAD BASED PAINT
INSPECTION REPORT**

Job Site:

**Commercial Building
1414 North 4th 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.: 14-200-042.1414L
Contract No.: 360-14-0745**

Dean Jacobsen
Lead Risk Assessor # LRA 14370

Prepared by:

**HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204**

September 2014

TABLE OF CONTENTS

I.	Introduction	2
II.	Component Testing	2
	A. Summary	
	B. Tests Results of Components	
	C. Summary of OSHA Lead Based Paint Regulations	
	D. Summary of Wisconsin Department of Natural Resources Information	
III.	Limitations	4
IV.	Laboratory Results	5

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **1414 North 4th Street, Milwaukee, Wisconsin, commercial building**. Demolition is planned for the building. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on September 16, 2014. Samples of paint were collected from masonry surfaces (brick and block) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.06% of lead per weight of a paint chip sample.

The results of the analysis was classified as follows:

- Positive:** Any result above the DHS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the DHS 163 Standard of 0.06% lead.

II. COMPONENT TESTING

A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

Exterior: 1414 North 4th Street

- **Painted brick and block were observed on the exterior walls. Lead was not detected above 0.06%.**

Interior: 1414 North 4th Street

- **Painted brick and block were observed on 1st floor walls and ceilings. Lead was detected above 0.06% in the center section painted gray ceiling and southwest room gray walls. Lead was not detected above 0.06% on other surfaces.**

Reference Test Results of Components below.

B. Test Results of Components:

Site: 1414 North 4th Street, Milwaukee, Wisconsin

Date: 9/16/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Interior Center Section	Ceiling	Block	Gray	1.03	Positive
2L	Interior Southwest Rooms	West Wall	Brick	Gray	0.103	Positive
3L	Interior Center Section	West Wall	Block	Gray	0.0078	Negative
4L	Clothes Room	South Wall	Block	White	0.020	Negative
5L	Clothes Room	Column	Brick	White	<0.0049	Negative
6L	Exterior	West Wall	Brick	Yellow	0.0135	Negative
7L	Exterior	North Wall	Block	Tan	0.012	Negative

The inspection did find Lead-Based Paint on the building.

If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

Any other paint found in the building that is disturbed should be handled as lead based paint.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30 µg/m³ of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored

employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50 µg/m³ of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

D. Summary of Wisconsin Department of Natural Resources Information

According to Wisconsin Department of Natural Resources Planning Your Demolition or Renovation Project (WA-651), building materials from remodeling or demolition debris that contain lead based paint are considered a waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

III. LIMITATIONS

A limited inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This inspection should not be used for purposes of determining where lead safe renovation or abatement procedures are required except where the samples were collected. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.

IV. LABORATORY RESULTS



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

Environmental Chemistry Analysis Report

QuanTEM Set ID: 241113
Date Received: 09/18/14
Received By: Leigh Armstrong
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 9/22/2014

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

Acct. No.: B929

Project: DNS
Location: Milwaukee, WI

Project No.: 14-200-042.1414

AIHA ID: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	1.03	0.00488	%	09/22/14 14:20	P EPA 7000B (1)
002	2L	Paint	Lead	0.103	0.00504	%	09/22/14 14:20	P EPA 7000B (1)
003	3L	Paint	Lead	0.00776	0.00503	%	09/22/14 14:20	P EPA 7000B (1)
004	4L	Paint	Lead	0.0200	0.00504	%	09/22/14 14:20	P EPA 7000B (1)
005	5L	Paint	Lead	<0.00486	0.00486	%	09/22/14 14:20	P EPA 7000B (1)
006	6L	Paint	Lead	0.0135	0.00492	%	09/22/14 14:20	P EPA 7000B (1)
007	7L	Paint	Lead	0.0120	0.0046	%	09/22/14 14:20	P EPA 7000B (1)

Authorized Signature: _____

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



LEAD 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. 241113
 Accept Reject
 Report Results one box
 QuantEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1414	

Sampled By: _____ Name: _____ Date: _____

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 9/17/14 1800	VIA FedEx	RECEIVED BY <i>Leahung</i>	DATE & TIME 9/18/14
---	-----------------------------	--------------	-------------------------------	------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis					Units (<input checked="" type="checkbox"/> ONE box only)							
						Sample Matrix	Pb	Pb	PPM	Wt %	mg / l	µg / ft ²	µg / m ³	mg / cm ²				
1	1L				B	X												
2	2L																	
3	3L																	
4	4L																	
5	5L																	
6	6L																	
7	7L																	
8																		
9																		
10																		
11																		
12																		

Sample Matrix Codes	
A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME	
	Same Day
	24-Hour
<input checked="" type="checkbox"/>	3 - Day
	5 - Day



ASBESTOS INSPECTION REPORT

Job Site:

**Church
1515 North 12th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1515
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 1515 North 12th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, drywall/joint 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 August 19, 2014 HMG conducted an asbestos inspection of a church, scheduled for mechanical demolition, located at 1515 North 12th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as

determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – west bathroom – north wall – joint compound	Negative	N/A	MDW
1b	1 st floor – west bathroom – north wall – drywall	Negative	N/A	MDW
2a	1 st floor – hall – east wall – joint compound	Negative	N/A	MDW
2b	1 st floor – hall – east wall – drywall	Negative	N/A	MDW
3a	2 nd floor – storage room – west wall – joint compound	Negative	N/A	MDW
3b	2 nd floor – storage room – west wall – drywall	Negative	N/A	MDW
4	2 nd floor – stair – west wall – plaster	Negative	N/A	SPI
5	1 st floor – utility room – north wall – plaster	Negative	N/A	SPI
6a	2 nd floor – sink room – south wall – patch layer	Negative	N/A	SPI
6b	2 nd floor – sink room – south wall – plaster	Negative	N/A	SPI
7	1 st floor – church – north side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
8	1 st floor – church – center – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
9	1 st floor – church – south side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
10	1 st floor – hall – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
11	2 nd floor – meeting room – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
12	2 nd floor – storage room – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
13a	2 nd floor – stair – west wall – texture	Negative	N/A	STX
13b	2 nd floor – stair – west wall – texture layer 2	Negative	N/A	STX
14a	1 st floor – east bathroom – north wall – texture	Negative	N/A	STX
14b	1 st floor – east bathroom – north wall – texture layer 2	Negative	N/A	STX
15a	2 nd floor – sink room – south wall – texture	Negative	N/A	STX
15b	2 nd floor – sink room – south wall – texture layer 2	Negative	N/A	STX
15c	2 nd floor – sink room – south wall – texture layer 3	Negative	N/A	STX

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	2,200 Sq. Ft.
1 st	Hall/Bathrooms	Floor Tile & Mastic	400 Sq. Ft.
2 nd	Meeting Room	Floor Tile & Mastic	800 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24S	2' x 4' Smooth Ceiling 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

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge – Exterior -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 1st Floor. 1 Furnace in Basement

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

* 50 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240258	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/04/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1515

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	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
004	4	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240258	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/04/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1515

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
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 30 Glass Fiber 30	Paint Perlite
010	10	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	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. 240258	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/04/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1515

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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

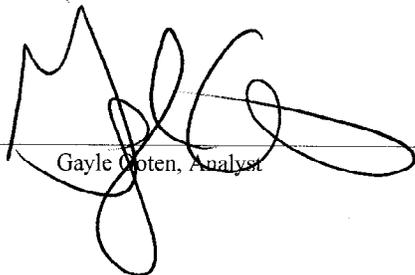


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240258	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 09/04/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1515

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	White Texture	Asbestos Not Present	Talc 3	Gypsum Paint
015b		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint



Gayle Ooten, Analyst

9/4/2014
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.



ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>240258</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Report Results <input checked="" type="checkbox"/> one box
<input checked="" type="checkbox"/> QuanTEM Website
<input type="checkbox"/> Other email _____

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.1515
PO. Number:	

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

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	FedEx	<i>[Signature]</i>	8/28/14 1:00
			8/29/14 10:15

REQUESTED SERVICES (Please the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		TEM		TEM		TURNAROUND TIME														
			<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Particle ID	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 24 - Hour	<input checked="" type="checkbox"/> 3 - Day	<input type="checkbox"/> 5 - Day		
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"/>																					

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 240258	Accept
	Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

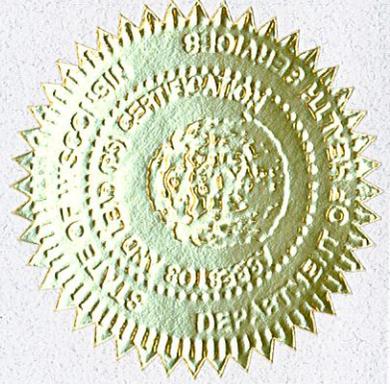
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Multi Family Dwelling
1320 North 22nd Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1320
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations5

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1320 North 22nd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 7, 2014 HMG conducted an asbestos inspection of a multi family dwelling, scheduled for mechanical demolition, located at 1320 North 22nd Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Basement – on chimney top layer – black plaster	Positive 2% Chrysotile	2 Sq. Ft.	TFPk
1b	Basement – on chimney bottom layer – gray plaster	Negative	N/A	TFPy
2	Basement – on boot – duct paper	Positive 60% Chrysotile	6 Sq. Ft.	TDW
3	Basement – ceiling – plaster	Negative	N/A	SPI
4	1 st floor – bedroom – east wall – plaster	Negative	N/A	SPI
5	1 st floor – living room – north wall – plaster	Negative	N/A	SPI
6a	2 nd floor – living room – south wall – patch layer	Negative	N/A	SPI
6b	2 nd floor – living room – south wall – plaster	Negative	N/A	SPI
6c	2 nd floor – living room – south wall – patch layer 2	Negative	N/A	SPI
6d	2 nd floor – living room – south wall – plaster layer 2	Negative	N/A	SPI
7a	2 nd floor – stair – west wall – patch layer	Negative	N/A	SPI
7b	2 nd floor – stair – west wall – plaster	Negative	N/A	SPI
8	2 nd floor – stair – ceiling – plaster	Negative	N/A	SPI
9a	1 st floor – entry – east wall – plaster skim coat	Negative	N/A	SPI
9b	1 st floor – entry – east wall – plaster base coat	Negative	N/A	SPI
10a	1 st floor – entry – ceiling – joint compound	Negative	N/A	MDW
10b	1 st floor – entry – ceiling – joint compound layer 2	Negative	N/A	MDW
10c	1 st floor – entry – ceiling – drywall	Negative	N/A	MDW
11a	2 nd floor – east bedroom – ceiling – joint compound	Negative	N/A	MDW
11b	1 st floor – east bedroom – ceiling – drywall	Negative	N/A	MDW
12a	3 rd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
12b	3 rd floor – kitchen – north wall – drywall	Negative	N/A	MDW
13	1 st floor – entry floor – brown ceramic tile	Negative	N/A	MCTMn
14	1 st floor – kitchen – north side under floor tile – yellow linoleum	Positive 30% Chrysotile	165 Sq. Ft.	MFLI
15	1 st floor – kitchen – south side under floor tile – yellow linoleum	Positive 30% Chrysotile	Reference Sample 14	MFLI
16	1 st floor – pantry – under floor tile – yellow linoleum	Positive 30% Chrysotile	Reference Sample 14	MFLI
17a	1 st floor – kitchen – north side under yellow linoleum – linoleum backing	Positive 65% Chrysotile	165 Sq. Ft.	MFLback

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17b	1 st floor – kitchen – north side under linoleum backing – gray linoleum	Negative	N/A	MFLy
18a	1st floor – kitchen – south side under yellow linoleum – linoleum backing	Positive 60% Chrysotile	Reference Sample 17a	MFLback
18b	1 st floor – kitchen – south side under linoleum backing – gray linoleum	Negative	N/A	MFLy
19a	1st floor – pantry – under yellow linoleum – linoleum backing	Positive 60% Chrysotile	Reference Sample 17a	MFLback
19b	1 st floor – pantry – under linoleum backing – gray linoleum	Negative	N/A	MFLy
20	1 st floor – hall closet – tan linoleum	Negative	N/A	MFLt
21	2 nd floor – west bedroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
22	2 nd floor – west bedroom – under carpet – white linoleum	Negative	N/A	MFLw
23a	1 st floor – hall – west wall – fiberboard	Negative	N/A	MFB
23b	1 st floor – hall – west wall – under fiberboard – mastic	Negative	N/A	MFB
24a	2 nd floor – living room – south wall – fiberboard	Negative	N/A	MFB
24b	2 nd floor – living room – south wall – under fiberboard – mastic	Negative	N/A	MFB
25a	2 nd floor – bedroom – north wall – fiberboard	Negative	N/A	MFB
25b	2 nd floor – bedroom – north wall – under fiberboard – mastic	Negative	N/A	MFB
26	2 nd floor – kitchen – west side under carpet – brown linoleum	Negative	N/A	MFLn
27	2 nd floor – kitchen – east side under carpet – brown linoleum	Negative	N/A	MFLn
28	2 nd floor – bathroom – brown linoleum	Negative	N/A	MFLn

Notes: N/A = Not Applicable

Sq. Ft. = Square Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 st 2 nd	Dwelling	Asphalt Shingle Siding	3,200 Sq. Ft.
1 st	Bedroom/Hall/Kitchen/Stair/Pantry	Floor Tile & Mastic	450 Sq. Ft.
1 st	Entry/Bathroom	Floor Mastic	100 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Mastic	160 Sq. Ft.
3 rd	Stair/Hall/bathroom/Kitchen	Floor Tile & Mastic	230 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MCTMn	Brown Ceramic Tile
MFLt	Tan Linoleum
MFLI	Yellow Linoleum
MFLback	Linoleum Backing
MFLy	Gray Linoleum
MFLw	White Linoleum
MFLn	Brown Linoleum
MSCT24	2' x 4' Ceiling Tile

Homogeneous Material Codes

MFB	Fiberboard
TFPk	Black Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>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. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Black Plaster	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 3	Gypsum
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239304	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
010b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
013	13	Homogeneous	Tan/Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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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. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
015	15	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
016	16	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
017	17	Layered	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 65	NA	Binder
017a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
018	18	Layered	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 60	NA	Binder
018a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	Gray Sheet Vinyl Backing	Asbestos Present Chrysotile 60	NA	Binder
019a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar CaCO3
020	20	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
022	22	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
023	23	Layered	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
023a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Layered	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
024a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
025	25	Layered	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
026	26	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
027	27	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
028	28	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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

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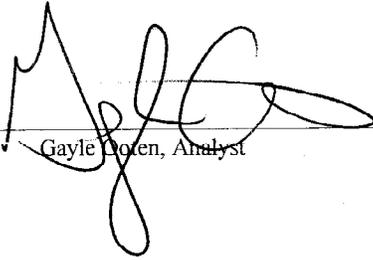


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239304	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Gayle Ooten, Analyst

8/13/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 239304 Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results <input checked="" type="checkbox"/> (one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.	<input type="checkbox"/> Other email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Eric Chastor</i>	8/11/14 3:31	FEDEX	<i>Labing</i>	8/12/14 9:45

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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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>231304</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

DO NOT TEST MASTIC

↓

↓

DO NOT TEST MASTIC

↓

↓

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

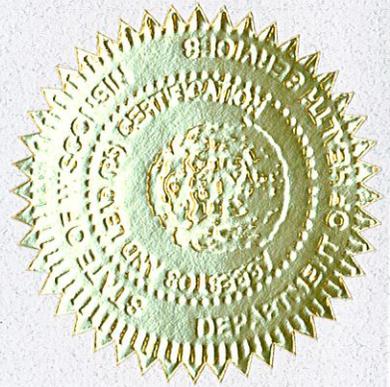
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Four Family Dwelling
1520-22 North 35th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1520
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations6

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

VIII. Laboratory Results11

IX. HMG Certifications12

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1520-22 North 35th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, paper insulation, duct paper, aircell pipe insulation, flue packing, window glazing compound, drywall/joint compound, and ceramic 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 May 27, 2014 HMG conducted an asbestos inspection of a four family dwelling, scheduled for mechanical demolition, located at 1520-22 North 35th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, tar paper, paper insulation, duct paper, aircell pipe insulation, flue packing, window glazing compound, drywall/joint compound, and ceramic 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 wood siding – black tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – black tar paper	Negative	N/A	MPT
3	Exterior – south wall under wood siding – black tar paper	Negative	N/A	MPT
4	Exterior – east wall under tar paper – paper insulation	Negative	N/A	MPI
5	Exterior – north wall under tar paper – paper insulation	Negative	N/A	MPI
6	Exterior – south wall under tar paper – paper insulation	Negative	N/A	MPI
7	Basement – west side – on joist – duct paper	Positive 80% Chrysotile	15 Sq. Ft.	TDW
8	Basement – west side – on ceiling – duct paper	Positive 80% Chrysotile	Reference Sample 7	TDW
9	Basement – west side – on water pipe – duct paper	Positive 80% Chrysotile	Reference Sample 7	TDW
10	Basement – west side - <5” diameter aircell pipe insulation	Positive 80% Chrysotile	120 Ln. Ft. See Note #4	TA5
11	Basement – north side - <5” diameter aircell pipe insulation	Positive 80% Chrysotile	See Note #4	TA5
12	Basement – in floor debris - <5” diameter aircell pipe insulation	Positive 80% Chrysotile	See Note #4	TA5
13	Basement – on east side of chimney – gray flue packing	Negative	N/A	TFPy
14	Basement – on north side of chimney – light gray flue packing	Negative	N/A	TFPylight
15	Basement – on north side of chimney – dark gray flue packing	Negative	N/A	TFPydark
16	Basement – on north side of chimney – tan flue packing	Negative	N/A	TFPt
17	1 st floor – apartment 2 kitchen – on window – glazing compound	Negative	N/A	MPG
18	2 nd floor – apartment 3 kitchen – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19	2 nd floor – apartment 4 kitchen – on window – glazing compound	Negative	N/A	MPG
20a	1 st floor – apartment 2 living room – west wall – joint compound	Negative	N/A	MDW
20b	1 st floor – apartment 2 living room – west wall – drywall	Negative	N/A	MDW
21a	2 nd floor – apartment 4 living room – north wall – joint compound	Negative	N/A	MDW
21b	2 nd floor – apartment 4 living room – north wall – drywall	Negative	N/A	MDW
22a	2 nd floor – stair – east wall – joint compound	Negative	N/A	MDW
22b	2 nd floor – stair – east wall – drywall	Negative	N/A	MDW
23a	1 st floor – apartment 2 living room – south wall – patch layer	Negative	N/A	SPI
23b	1 st floor – apartment 2 living room – south wall – plaster skim coat	Negative	N/A	SPI
23c	1 st floor – apartment 2 living room – south wall – plaster base coat	Negative	N/A	SPI
24a	2 nd floor – front stair – east wall – patch layer	Negative	N/A	SPI
24b	2 nd floor – front stair – east wall – plaster skim coat	Negative	N/A	SPI
24c	2 nd floor – front stair – east wall – plaster base coat	Negative	N/A	SPI
25a	2 nd floor – apartment 4 bedroom – east wall – patch layer	Negative	N/A	SPI
25b	2 nd floor – apartment 4 bedroom – east wall – plaster skim coat	Negative	N/A	SPI
25c	2 nd floor – apartment 4 bedroom – east wall – plaster base coat	Negative	N/A	SPI
26a	2 nd floor – apartment 3 kitchen – south wall – plaster skim coat	Negative	N/A	SPI
26b	2 nd floor – apartment 3 kitchen – south wall – plaster base coat	Negative	N/A	SPI
27a	2 nd floor – rear stair – ceiling – plaster skim coat	Negative	N/A	SPI
27b	2 nd floor – rear stair – ceiling – plaster base coat	Negative	N/A	SPI
28a	1 st floor – apartment 2 hall floor – white ceramic tile	Negative	N/A	MCTMw
28b	1 st floor – apartment 2 hall floor – grout	Negative	N/A	MCTMw
29a	2 nd floor – apartment 3 bathroom floor – white ceramic tile	Negative	N/A	MCTMw
29b	2 nd floor – apartment 3 bathroom floor – grout	Negative	N/A	MCTMw
30a	2 nd floor – apartment 4 kitchen floor – white ceramic tile	Negative	N/A	MCTMw
30b	2 nd floor – apartment 4 kitchen floor – grout	Negative	N/A	MCTMw
31	1 st floor – apartment 2 hall floor – under ceramic tile – mortar	Negative	N/A	MCTMM
32	2 nd floor – apartment 3 bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM
33	2 nd floor – apartment 4 bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
34	2 nd floor – apartment 4 living room – on wall – texture	Negative	N/A	STX
35	2 nd floor – apartment 3 kitchen – ceiling – texture	Negative	N/A	STX
36	2 nd floor – apartment 3 kitchen – east wall – texture	Negative	N/A	STX

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,700 Sq. Ft.
1 st / 2 nd	Dwelling	Asphalt Shingle Siding	4,000 Sq. Ft.
1 st	Back Hall/Stair	Floor Tile & Mastic	70 Sq. Ft.
2 nd	Kitchens	Floor Tile & Mastic	300 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MPI	Paper Insulation
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
MCTMM	Mortar
TDW	Duct Paper
TA5	<5" Diameter Aircell Pipe Insulation
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPyDark	Dark Gray Flue Packing
TFPt	Tan Flue Packing

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

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

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

Note#4: Aircell and duct paper mixed in with basement floor debris – entire floor contaminated. Estimated quantity 1,400 sq. ft. Additional duct paper and aircell may be within walls and ceilings.

V. EXCLUSIONS

Basement floor covered with boxes, furniture, clothing, and debris and only partially accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>2</u>	Refrigerators, Freezers, Chillers – 1st & 2nd Floor Kitchens
<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 – 4 Breaker Boxes in Basement.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 4 Gas Meters on Exterior

* 25 Gallons Paint in Basement, 2 Gallons Paint in Attic

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235986

Account Number: B929

Date Received: 05/28/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: HA

Project Location: Milwaukee, WI

Project Number: 14-200-042.1520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray/Black Paper	Asbestos Not Present	Cellulose 90	Tar
002	2	Homogeneous	Gray/Black Paper	Asbestos Not Present	Cellulose 90	Tar
003	3	Homogeneous	Gray/Black Paper	Asbestos Not Present	Cellulose 90	Tar
004	4	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235986	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/02/2014	Project: HA
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
009	9	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
010	10	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
011	11	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
012	12	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
013	13	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235986	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 05/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/02/2014	Project: HA
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017	17	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
018	18	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
020	20	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235986

Account Number: B929

Date Received: 05/28/2014

Received By: Joanna Mueller

Date Analyzed: 06/02/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: HA

Project Location: Milwaukee, WI

Project Number: 14-200-042.1520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
022	22	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3
022a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
023	23	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Gypsum
023b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235986	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/02/2014	Project: HA
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Gypsum
024b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
025	25	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Gypsum
025b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
026	26	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Date Analyzed: 06/02/2014	Project: HA
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
027	27	Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
027a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
028	28	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
028a		Layered	Black Grout	Asbestos Not Present	NA	Quartz Clay
029	29	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
029a		Layered	Brown Grout	Asbestos Not Present	NA	Quartz Clay

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
030a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
031	31	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz Clay
032	32	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz Clay
033	33	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz Clay
034	34	Homogeneous	White/Yellow Paint	Asbestos Not Present	NA	CaCO3 Paint
035	35	Homogeneous	White/Yellow Paint	Asbestos Not Present	NA	CaCO3 Paint

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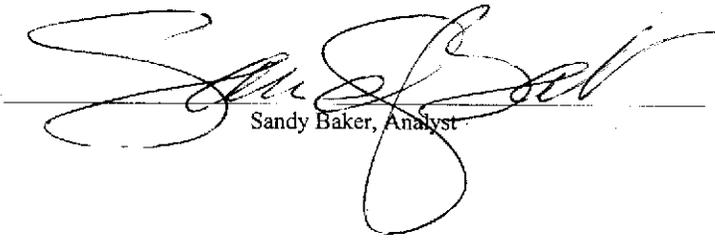


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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235986	Client: Harenda Management Group
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Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 06/02/2014	Project: HA
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1520

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36	Homogeneous	White/Yellow Paint	Asbestos Not Present	NA	CaCO3 Paint



Sandy Baker, Analyst

6/2/2014
Date of Report

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ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

Contact Information

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

Project Name: **HA**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.1520**
 P.O. Number:

Report Results (☑ one box)
 QuanTEM Website
 Other email

For Lab Use Only
 Lab No. **835986**
 Accept Reject

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	5/27/14 1800	FeDEX	<i>[Signature]</i>	5-28-14 1000

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Rush	Same 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 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 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"/>

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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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>235986</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>235986</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

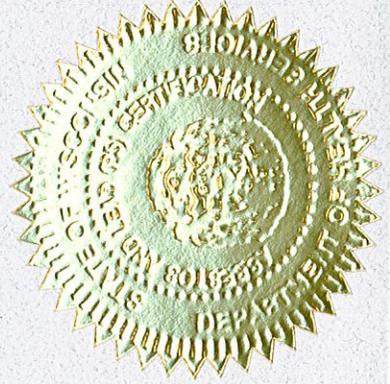
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Multi Family Dwelling
2506 North 36th 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.: 14-200-042.2506
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations5

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2506 North 36th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, stucco, flue packing, cardboard insulation, fittings, linoleum, ceramic tile, ceiling 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 August 18, 2014 HMG conducted an asbestos inspection of a multi family dwelling, scheduled for mechanical demolition, located at 2506 North 36th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AI – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Attic – exterior – east wall – stucco	Negative	N/A	STC
2a	Attic – exterior – north wall – patch layer	Negative	N/A	STC
2b	Attic – exterior – north wall – stucco	Negative	N/A	STC
3	Attic – exterior – north wall – stucco	Negative	N/A	STC
4	Basement – north side – ceiling – plaster	Negative	N/A	SPI
5	Basement – south side – ceiling – plaster	Negative	N/A	SPI
6a	1 st floor – living room – north wall – ceiling – patch layer	Negative	N/A	SPI
6b	1 st floor – living room – north wall – ceiling – plaster	Negative	N/A	SPI
7	1 st floor – kitchen – west wall – ceiling – patch layer	Negative	N/A	SPI
8	2 nd floor – living room – south wall – ceiling – plaster	Negative	N/A	SPI
9	2 nd floor – front stair – east wall – ceiling – plaster	Negative	N/A	SPI
10a	1 st floor – addition bedroom 1 – north wall – ceiling – plaster #2 skim coat	Negative	N/A	SPI2
10b	1 st floor – addition bedroom 1 – north wall – ceiling – plaster #2 base coat	Negative	N/A	SPI2
11	1 st floor – addition bedroom 2 – north wall – ceiling – plaster #2	Negative	N/A	SPI2
12a	1 st floor – addition bedroom 1 – north wall – ceiling – plaster #2 skim coat	Negative	N/A	SPI2
12b	1 st floor – addition bedroom 1 – north wall – ceiling – plaster #2 base coat	Negative	N/A	SPI2
13	Basement – on chimney – flue packing	Positive 35% Chrysotile	6 Sq. Ft.	TFP
14	Basement – on floor – fitting debris	Positive 20% Chrysotile	110 Sq. Ft. of Floor	TF
15	Basement – <5” diameter cardboard pipe insulation	Negative	N/A	TC5
16	1 st floor – addition bathroom – under floor tile – black linoleum	Negative	N/A	MFLk
17	1 st floor – addition bathroom – under black linoleum – green linoleum	Negative	N/A	MFLg
18	1 st floor – living room – at fireplace – green ceramic tile	Negative	N/A	MCTMg

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19	1 st floor – west bedroom – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
20	1 st floor – bathroom – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
21	1 st floor – east bedroom – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
22	1 st floor – kitchen – on window – glazing compound	Positive 3% Chrysotile	42 Windows	MPG
23	2 nd floor – dining room – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 22	MPG
24	2 nd floor – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 22	MPG
25	2 nd floor – west bedroom – ceiling – texture	Negative	N/A	STX
26	2 nd floor – dining room – east wall – texture	Negative	N/A	STX
27	2 nd floor – foyer – ceiling – texture	Negative	N/A	STX

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	2,000 Sq. Ft.
1 st	Pantry/Hall/Kitchen/Bathroom/Hall/Addition	Floor Tile & Mastic	600 Sq. Ft.
2 nd	Stair/Kitchen/Pantry/Hall/Bathroom	Floor Tile & Mastic	600 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
STC	Stucco4
STX	Texture
MFLk	Black Linoleum
MFLg	Green Linoleum
MSCT24	2’ x 4’ Ceiling Tile
MCTMg	Green Ceramic Tile
MCTMy	Gray Ceramic Tile
MPG	Glazing Compound
TFP	Flue Packing
TC	Cardboard Insulation
TF	Pipe Insulation Fitting

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 fittings may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>3</u>	Fluorescent Lights – 1 st Floor Foyer & Bathroom
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

<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>2</u>	Light Ballasts – 1 st Floor Bathroom
<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

* 5 Gallons Roof Cement 1st Floor

* 3 Gas Meters on Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239825

Account Number: B929

Date Received: 08/21/2014

Received By: Judy Rowan

Date Analyzed: 08/26/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2506

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 239825	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 08/26/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2506

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

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Polarized Light Microscopy Asbestos Analysis Report

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	13	Homogeneous	Gray Transite	Asbestos Present Chrysotile 35	NA	CaCO3 Paint
014	14	Homogeneous	White Insulation	Asbestos Present Chrysotile 20	Cellulose 10	CaCO3
015	15	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
016	16	Homogeneous	Black Sheet Vinyl	Asbestos Not Present	Synthetic 25	Vinyl

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
018	18	Homogeneous	Green Ceramic Tile	Asbestos Not Present	NA	Clay
019	19	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
022	22	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
023	23	Homogeneous	Cream 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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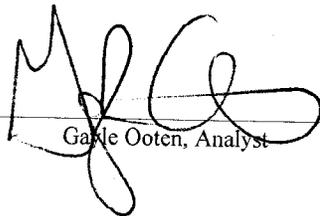


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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2506

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
025	25	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
026	26	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
027	27	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint


Gayle Ooten, Analyst

8/26/2014
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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For Lab Use Only	
Lab No. <u>239825</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box	
<input checked="" type="checkbox"/> QuantEM Website	<input type="checkbox"/> Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.2506	
SAMPLED BY: _____ Name: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	8/22/14 1800	FeEx	<i>Judy Rowan</i>	8/21/14 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>239825</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				
12	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 checked="" type="checkbox"/>				Do Not Test Mastic ↓
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

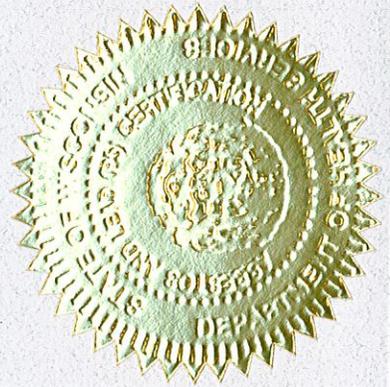
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Mixed Use Building
2433 West Auer Avenue
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2433
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 2433 West Auer Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 22, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 2433 West Auer Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	Exterior – west wall – patch layer	Negative	N/A	STC
1b	Exterior – west wall – stucco	Negative	N/A	STC
2	Exterior – north wall – stucco	Negative	N/A	STC
3	Exterior – south wall – stucco	Negative	N/A	STC
4	Basement - <5" diameter aircell pipe insulation	Positive 85% Chrysotile	130 Ln. Ft. & 120 Sq. Ft. of Floor	TA
5	1 st floor – store – south wall – joint compound	Negative	N/A	MDW
6a	1 st floor – east store room – east wall – joint compound	Negative	N/A	MDW
6b	1 st floor – east store room – east wall – drywall	Negative	N/A	MDW
7a	2 nd floor – south bedroom – west wall – joint compound	Negative	N/A	MDW
7b	2 nd floor – south bedroom – west wall – drywall	Negative	N/A	MDW
8	2 nd floor – hall – east wall – plaster	Negative	N/A	SPI
9	2 nd floor – front stair – north wall – plaster	Negative	N/A	SPI
10	2 nd floor – pantry – east wall – plaster	Negative	N/A	SPI
11	2 nd floor – rear stair – brown linoleum	Negative	N/A	MFLn
12	2 nd floor – front stair – on landing – brown linoleum	Negative	N/A	MFLn
13	1 st floor – front stair – on landing – brown linoleum	Negative	N/A	MFLn
14	2 nd floor – rear stair – on landing – white linoleum	Negative	N/A	MFLw
15	2 nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG
16	2 nd floor – south bedroom – on window – glazing compound	Negative	N/A	MPG
17	2 nd floor – dining room – on window – glazing compound	Negative	N/A	MPG
18	2 nd floor – east bedroom – south wall – texture	Negative	N/A	STX
19a	2 nd floor – east bedroom – west wall – texture	Negative	N/A	STX
19b	2 nd floor – east bedroom – west wall – texture layer 2	Negative	N/A	STX
20a	2 nd floor – east bedroom – east wall – texture	Negative	N/A	STX
20b	2 nd floor – east bedroom – east wall – texture layer 2	Negative	N/A	STX
21	2 nd floor – bathroom – under wall panel – mastic	Negative	N/A	MWM

Notes: N/A = Not Applicable
Ln. Ft. = Linear Feet

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 st	Store/South Room/Storage/Hall	Floor Tile & Mastic	2,200 Sq. Ft.
2 nd	Kitchen	Floor Tile & Mastic	150 Sq. Ft.
2 nd	Stairs	Floor Mastic	180 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STC	Stucco
STX	Texture
MDW	Drywall/Joint Compound
MFLn	Brown Linoleum
MFLw	White Linoleum
MPG	Glazing Compound
MWM	Wall Mastic
TA	Aircell 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 aircell may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>30</u>	Fluorescent Lights – Store, Basement
<u>N/A</u>	High Intensity Discharge – Exterior -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 – 2 Breaker Boxes in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>8</u>	Light Ballasts – Store, Basement
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240266	Client: Harena Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 09/05/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2433

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Stucco	Asbestos Not Present	NA	Quartz CaCO3
001a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	Tan Stucco	Asbestos Not Present	NA	CaCO3 Paint
003	3	Homogeneous	Tan Stucco	Asbestos Not Present	NA	CaCO3 Paint
004	4	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 85	Cellulose 10	Binder
005	5	Homogeneous	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Paint
006	6	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 09/05/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2433

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
007	7	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
008	8	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
010	10	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
011	11	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/29/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 09/05/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2433

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
013	13	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
014	14	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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

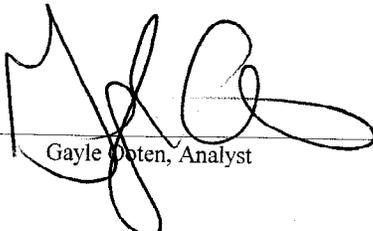


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240266 Client: Harenda Management Group
 Account Number: B929 Dean Jacobsen
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 Analyzed By: Gayle Ooten Project Location: Milwaukee, WI
 Methodology: EPA/600/R-93/116 Project Number: 14-200-042.2433

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Laycred	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
021	21	Homogeneous	Blue Mastic	Asbestos Not Present	NA	Glue CaCO3



Gayle Ooten, Analyst

9/5/2014
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

For Lab Use Only
 Lab No. 240266 Accept Reject

Report Results (one box)
 QuantEM Website
 Other email _____

Contact Information
 Company: Harenda Management Group
 Contact: Dean Jacobsen
 Account #: B929
 Phone: (414) 383-4800
 Cell Phone:
 E-mail: djacobsen@harenda.com
 Date:
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.2433
 P.O. Number:

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.2433
 P.O. Number:

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	8/28/14 1700	Fed Ex	<i>[Signature]</i>	8/29/14 1015

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



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

For Lab Use Only	
Lab No. <u>242266</u>	Accept <input checked="" type="radio"/> Reject <input type="radio"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

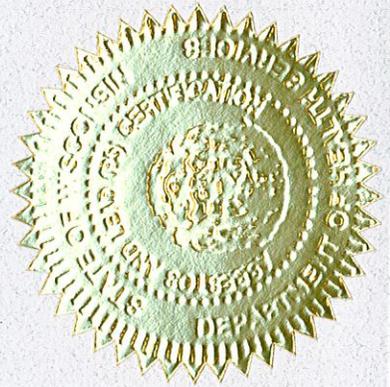
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Commercial Building
1236 South Barclay 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.: 14-200-042.1236
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory2
 A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....3

VI. Limitations3

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

VIII. Laboratory Results9

IX. HMG Certifications10

I. INTRODUCTION

Harena Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 1236 South Barclay Street, Milwaukee, Wisconsin.

The inspection was conducted to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

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

On August 11, 2014 HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 1236 South Barclay Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

No samples were collected.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,400 Sq. Ft.

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

Interior not accessible – entrances blocked by debris. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or

entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

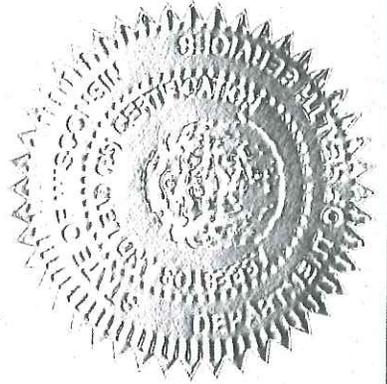
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A. Bruce

Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Eric Duane Christon

10908 W Langlade St

Milwaukee WI 53225-1319

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

Training due by: 03/19/2015



81A

**LEAD BASED PAINT
INSPECTION REPORT**

Job Site:

**Commercial Building
1236 South Barclay 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.: 14-200-042.1236L
Contract No.: 360-14-0745**

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

Dean Jacobsen
Lead Risk Assessor # LRA 14370

Prepared by:

**HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204**

August 2014

TABLE OF CONTENTS

I. Introduction 2

II. Component Testing 2

A. Summary

B. Tests Results of Components

C. Summary of OSHA Lead Based Paint Regulations

D. Summary of Wisconsin Department of Natural Resources Information

III. Limitations 4

IV. Laboratory Results 5

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **1236 South Barclay Street, Milwaukee, Wisconsin, commercial building**. Demolition is planned for the building. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on August 11, 2014. Samples of paint were collected from masonry surfaces (block) representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.06% of lead per weight of a paint chip sample.

The results of the analysis was classified as follows:

- Positive:** Any result above the HFS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the HFS 163 Standard of 0.06% lead.

II. COMPONENT TESTING

A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

Exterior: 1236 South Barclay Street

- **Painted block was observed on the exterior walls. Lead was not detected above 0.06%.**

Interior: 1236 South Barclay Street

- **Painted concrete and masonry surfaces were not observed.**

Reference Test Results of Components below.

B. Test Results of Components:

Site: 1236 South Barclay Street, Milwaukee, Wisconsin Date: 8/11/14

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L	Exterior	Wall	Block	Blue	<0.0062	Negative
2L	Exterior	Wall	Block	Gray	<0.0049	Negative
3L	Exterior	Wall	Block	White	<0.0051	Negative

The inspection did not find Lead-Based Paint on the building.

If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

Any other paint found in the building that is disturbed should be handled as lead based paint.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30 µg/m³ of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50 µg/m³ of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

D. Summary of Wisconsin Department of Natural Resources Information

According to Wisconsin Department of Natural Resources Planning Your Demolition or Renovation Project (WA-651), building materials from remodeling or demolition debris that contain lead based paint are considered a waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

III. LIMITATIONS

A limited inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This inspection should not be used for purposes of determining where lead safe renovation or abatement procedures are required except where the samples were collected. This report represents the condition of the building and the visible/ accessible locations sampled at the date and the time of the onsite inspection.

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.

IV. LABORATORY RESULTS



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

Environmental Chemistry Analysis Report

QuanTEM Set ID: 239828
Date Received: 08/21/14
Received By: Judy Rowan
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 8/25/2014

Client: Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204
Acct. No.: B929
Project: DNS
Location: Milwaukee, WI
Project No.: 14-200-042.1236

AIHA ID: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L	Paint	Lead	<0.00623	0.00623	%	08/25/14 13:50	P EPA 7000B (1)
002	2L	Paint	Lead	<0.00495	0.00495	%	08/25/14 13:50	P EPA 7000B (1)
003	3L	Paint	Lead	<0.00509	0.00509	%	08/25/14 13:50	P EPA 7000B (1)

Authorized Signature: _____

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



ASBESTOS INSPECTION REPORT

Job Site:

**Mixed Use Building
3430 West Center 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.: 14-200-042.3430
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations6

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

VIII. Laboratory Results11

IX. HMG Certifications12

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3430 West Center Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 27, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3430 West Center Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, fittings, aircell insulation, ceramic tile, terrazzo, drywall/joint compound, ceiling tile, floor tile, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – <5” diameter cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	70 Ln. Ft.	TC5
2	Basement – <5” diameter cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	Reference Sample 1	TC5
3	Basement – <5” diameter cardboard pipe insulation	Positive 10% Chrysotile, <1% Amosite	Reference Sample 1	TC5
4	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	12 Fittings	TF5
5	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	Reference Sample 4	TF5
6	Basement – <5” diameter pipe insulation fitting	Positive 5% Chrysotile	Reference Sample 4	TF5
7a	Basement – south wall – plaster skim coat	Negative	N/A	SPI
7b	Basement – south wall – plaster base coat	Negative	N/A	SPI
8a	1 st floor – stair 2 – north wall – plaster skim coat	Negative	N/A	SPI
8b	1 st floor – stair 2 – north wall – plaster base coat	Negative	N/A	SPI
9	2 nd floor – dining room – east wall – plaster	Negative	N/A	SPI
10a	2 nd floor – bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
10b	2 nd floor – bathroom floor – grout	Negative	N/A	MCTMt
11	1 st floor – section 1 – east side – terrazzo floor	Negative	N/A	MTZ
12	1 st floor – section 2 – west side – terrazzo floor	Negative	N/A	MTZ
13	1 st floor – hall – terrazzo floor	Negative	N/A	MTZ
14a	1 st floor – section 2 – west wall – joint compound	Negative	N/A	MDW
14b	1 st floor – section 2 – west wall – drywall	Negative	N/A	MDW
15a	1 st floor – section 3 hall – south wall – joint compound	Negative	N/A	MDW
15b	1 st floor – section 3 hall – south wall – drywall	Negative	N/A	MDW
16a	1 st floor – section 1 – west wall – joint compound	Negative	N/A	MDW
16b	1 st floor – section 1 – west wall – joint compound layer 2	Negative	N/A	MDW
16c	1 st floor – section 1 – west wall – drywall	Negative	N/A	MDW
17a	1 st floor – section 2 – on south wall column – texture coating	Negative	N/A	MCTMr
17b	1 st floor – section 2 – on south wall column – red ceramic tile	Negative	N/A	MCTMr

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17c	1 st floor – section 2 – on south wall column – mastic	Negative	N/A	MCTMr
18a	2 nd floor - stair 3 – on east wall – pink ceramic tile	Negative	N/A	MCTMp
18b	2 nd floor - stair 3 – on east wall – mastic	Positive 10% Chrysotile	N/A	MCTMp
19a	2 nd floor – bathroom floor – beige ceramic tile	Negative	N/A	MCTMe
19b	2 nd floor – bathroom floor – mastic	Positive 10% Chrysotile	N/A	MCTMp
20	1 st floor – section 1 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
21	1 st floor – section 2 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
22	1 st floor – section 2 – 2' x 4' ceiling tile	Negative	N/A	MSCT24
23	1 st floor – section 1 – 12" brown floor tile	Negative	N/A	MF12n
24	1 st floor – section 1 – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
25	1 st floor – section 1 – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
25	1 st floor – section 1 – under linoleum – mastic	Negative	N/A	MFLnb
26	1 st floor – section 3 office – under floor tile – brown and blue linoleum	Negative	N/A	MFLnb
27	1 st floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
28	1 st floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
29	1 st floor – section 3 office – tan and gray floor tile	Negative	N/A	MF12ty
30a	1st floor – section 3 office – 12" tan floor tile on concrete	Positive 6% Chrysotile	90 Sq. Ft.	MF12t
30b	1st floor – section 3 office – under floor tile on concrete – black mastic	Positive 8% Chrysotile	90 Sq. Ft.	MF12t
31	1 st floor – section 3 office – 12" tan and blue floor tile	Negative	N/A	MF12tb
32a	2 nd floor – dining room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
32b	2 nd floor – dining room – under ceiling tile – mastic	Negative	N/A	MSCT11G
32c	2 nd floor – dining room – under mastic – plaster	Negative	N/A	MSCT11G
33a	2 nd floor – dining room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
33b	2 nd floor – dining room – under ceiling tile – mastic	Negative	N/A	MSCT11G
33c	2 nd floor – dining room – under mastic – plaster	Negative	N/A	MSCT11G
34a	2 nd floor – living room – 1' x 1' grooved ceiling tile	Negative	N/A	MSCT11G
34b	2 nd floor – living room – under ceiling tile – mastic	Negative	N/A	MSCT11G
34c	2 nd floor – living room – under mastic – plaster	Negative	N/A	MSCT11G
35a	2 nd floor – storage room – 1' x 1' pinholed ceiling tile	Negative	N/A	MSCT11P
35b	2 nd floor – storage room – under ceiling tile – mastic	Negative	N/A	MSCT11P

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	2,700 Sq. Ft.
Roof	Building	Asphalt Shingles & Flashing	900 Sq. Ft.
2 nd	Kitchens/Bathroom/Living Room/Dining Room/Hall	Floor Tile & Mastic	1,150 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MCTMt	Tan Ceramic Tile
MCTMr	Red Ceramic Tile
MCTMp	Pink Ceramic Tile
MCTMe	Beige Ceramic Tile
MTZ	Terrazzo
MDW	Drywall/Joint Compound
MSCT24	2' x 4' Ceiling Tile
MSCT11G	1' x 1' Grooved Ceiling Tile
MSCT11P	1' x 1' Pinholed Ceiling Tile
MF12n	12" Brown Floor Tile
MF12ty	12" Tan & Gray Floor Tile
MF12t	12" Tan Floor Tile
MF12tb	12" Tan & Blue Floor Tile
MFLnb	Brown & Blue Linoleum
TC5	<5" Diameter Cardboard Pipe Insulation
TD5	<5" Diameter Pipe Insulation Fitting

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 and fittings may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>42</u>	Fluorescent Lights – 1 st Floor
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 2 nd Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

<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>40</u>	Light Ballasts – 1 st Floor
<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. 240355	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
002	2	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
003	3	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 10 Amosite <1	Glass Fiber	60 Binder
004	4	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
005	5	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
006	6	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose	85 Glue
007	7	Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz Sand
008	8	Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Quartz Paint
008a		Layered	Gray Plaster	Asbestos Not Present	Animal Hair	3 Quartz Sand
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	Animal Hair	4 Quartz Sand
010	10	Layered	Yellow Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
011	11	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand
013	13	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Quartz Sand
014	14	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
016	16	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
016b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
017b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	Gray Mastic	Asbestos Present Chrysotile 10	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Layered	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Gray Mastic	Asbestos Present Chrysotile 10	NA	Glue
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
022	22	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
023	23	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
024	24	Homogeneous	Beige/Brown Sheet Vinyl	Asbestos Not Present	Cellulose 20 Glass Fiber 5 Synthetic 5	Vinyl Foam

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
025a		Composite	Yellow/Black Mastic	Asbestos Not Present	NA	Glue Tar
026	26	Homogeneous	Beige/Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
027	27	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
028	28	Homogeneous	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
029	29	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
030	30	Layered	Light Gray Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 09/02/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/08/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
031	31	Homogeneous	Tan/Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
032	32	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
032a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
032b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
033	33	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
033a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
034	34	Layered	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
034a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
034b		Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
035	35	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
035a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 240355

Account Number: B929

Date Received: 09/02/2014

Received By: Judy Rowan

Date Analyzed: 09/08/2014

Analyzed By: Sandy Baker

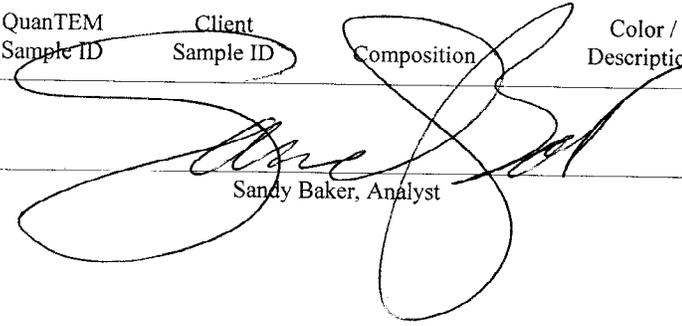
Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3034

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				9/8/2014		
Sandy Baker, 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

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>240355</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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



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Page 3 of 3
 For Lab Use Only
 Lab No. 240355
 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
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input checked="" type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

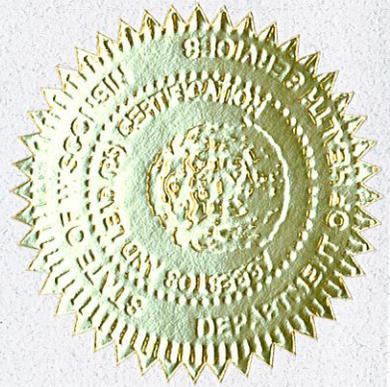
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Mixed Use Building
3718 West Center 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.: 14-200-042.3718
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

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

VIII. Laboratory Results9

IX. HMG Certifications10

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3718 West Center Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, texture, tar paper, window glazing compound, linoleum, drywall/joint compound, and ceramic 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 August 18, 2014 HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3718 West Center Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall – stucco	Negative	N/A	STC
2	Exterior – west wall – stucco	Negative	N/A	STC
3	Exterior – south wall – stucco	Negative	N/A	STC
4	1 st floor – store area – ceiling – texture	Negative	N/A	STX
5	1 st floor – store area – ceiling – texture	Negative	N/A	STX
6	2 nd floor – dining room – east wall – texture	Negative	N/A	STX
7	2 nd floor – living room – north wall – texture	Negative	N/A	STX
8	2 nd floor – hall – west wall – texture	Negative	N/A	STX
9	1 st floor – store area – ceiling – plaster	Negative	N/A	SPI
10	Basement – stair – east wall – plaster	Negative	N/A	SPI
11a	2 nd floor – dining room – west wall – patch layer	Negative	N/A	SPI
11b	2 nd floor – dining room – west wall – plaster	Negative	N/A	SPI
12a	2 nd floor – living room – ceiling – patch layer	Negative	N/A	SPI
12a	2 nd floor – living room – ceiling – plaster	Negative	N/A	SPI
13	2 nd floor – hall – west wall – plaster	Negative	N/A	SPI
14	1 st floor – store area – west side – tar paper	Negative	N/A	MPT
15	1 st floor – store area – east side – tar paper	Negative	N/A	MPT
16	2 nd floor – kitchen – tar paper	Negative	N/A	MPT
17	2 nd floor – kitchen – on window – glazing compound	Positive 3% Chrysotile	22 Windows	MPG
18	2 nd floor – dining room – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 17	MPG
19	1 st floor – bathroom – on window – glazing compound	Positive 3% Chrysotile	Reference Sample 17	MPG
20a	2 nd floor – hall – black linoleum	Negative	N/A	MFLk
20b	2 nd floor – hall – under linoleum – paper insulation	Negative	N/A	MFLk
21	2 nd floor – bedroom – ceiling – drywall	Negative	N/A	MDW
22	2 nd floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	1,000 Sq. Ft.
1 st	Store Area/Bathroom	Floor & Wall Mastic	700 Sq. Ft.
1 st	Bathroom	Floor Tile & Mastic	140 Sq. Ft.
2 nd	Bathroom/Hall	Floor & Wall Mastic	150 Sq. Ft.

Homogeneous Material Codes

SPL	Plaster
STC	Stucco
STX	Texture
MPT	Tar Paper
MPG	Glazing Compound
MFLk	Black Linoleum
MDW	Drywall
MCTMw	White 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

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>1</u>	Fluorescent Lights – Store Area
<u>N/A</u>	High Intensity Discharge – Exterior -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – Store Area
<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 Gas Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 239824

Account Number: B929

Date Received: 08/21/2014

Received By: Judy Rowan

Date Analyzed: 08/25/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Paint Sand
002	2	Homogeneous	Gray Paint	Asbestos Not Present	NA	Paint
003	3	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Paint Sand
004	4	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
005	5	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006	6	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
007	7	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 239824	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 08/25/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3718

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	Tan Plaster	Asbestos Not Present	Hair <1	Quartz Gypsum Paint
010	10	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz Gypsum Paint
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Light Gray Plaster	Asbestos Not Present	Hair 2	Quartz Gypsum Paint
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Laycred	Light Gray Plaster	Asbestos Not Present	NA	Quartz Gypsum CaCO3

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose 10	Quartz Gypsum CaCO3
014	14	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 95	Binder
015	15	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 90	CaCO3 Binder
016	16	Homogeneous	Gray Backing	Asbestos Not Present	Cellulose 98	Binder
017	17	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
018	18	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
019	19	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3 Paint

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3718

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Layered	Cream Linoleum	Asbestos Not Present	NA	Cork Tar
020a		Layered	Brown Backing Paper	Asbestos Not Present	Cellulose 70	Tar
021	21	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
022	22	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay

Shweta Harankhedkar, Analyst

8/25/2014

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

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3718	<input type="checkbox"/> Other email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 8/28/14 1800	VIA: FedEx	RECEIVED BY: <i>Judy Raven</i>	DATE & TIME: 8/21/14 10:00
-------------------------------------	---------------------------	------------	--------------------------------	----------------------------

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	REQUESTED SERVICES (Please check the appropriate boxes)			
							PLM	TEM		
1	1	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116) <input type="checkbox"/> 400 Point Count <input type="checkbox"/> 1000 Point Count <input type="checkbox"/> Gravimetric Preparation <input type="checkbox"/> Particle ID	<input type="checkbox"/> Air- AHERA <input type="checkbox"/> Air- NIOSH 7402 <input type="checkbox"/> Air- ISO 10312 <input type="checkbox"/> Drinking Water- EPA 100.2 <input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116 <input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield <input type="checkbox"/> Dust- Presence / Absence <input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755 <input type="checkbox"/> Other	<input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 24 - Hour <input checked="" type="checkbox"/> 3 - Day <input type="checkbox"/> 5 - Day
2	2	<input type="checkbox"/>								
3	3	<input type="checkbox"/>								
4	4	<input type="checkbox"/>								
5	5	<input type="checkbox"/>								
6	6	<input type="checkbox"/>								
7	7	<input type="checkbox"/>								
8	8	<input type="checkbox"/>								
9	9	<input type="checkbox"/>								
10	10	<input checked="" type="checkbox"/>								



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>239824</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

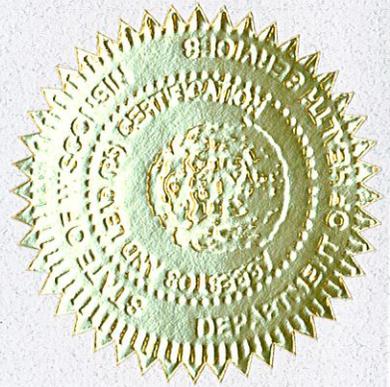
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT
Job Site:

Commercial Building
1575 West Lincoln Avenue
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-042.1575
Contract No.: 360-14-0745

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 2014

TABLE OF CONTENTS

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II. Building Survey2

III. The Laboratory2
A. Method of Analysis

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I. INTRODUCTION

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The inspection included tar paper, drywall, linoleum, ceiling tile, 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 April 30, 2014 HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 1575 West Lincoln Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as

determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include tar paper, drywall, linoleum, ceiling tile, 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 wood siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	1 st floor – back area – north wall – drywall	Negative	N/A	MDW
5	1 st floor – back area – ceiling – drywall	Negative	N/A	MDW
6	2 nd floor – front area – east wall – drywall	Negative	N/A	MDW
7	1 st floor – bathroom – top layer – orange and black linoleum	Negative	N/A	MFLok
8	1 st floor – storage area – black linoleum	Negative	N/A	MFLk
9	2 nd floor – back area – beige linoleum	Negative	N/A	MFLe
10	2 nd floor – kitchen – cream linoleum	Negative	N/A	MFLc
11	2 nd floor – back area – 1' x 2' ceiling tile	Negative	N/A	MSCT12
12	2 nd floor – back area – 1' x 2' ceiling tile	Negative	N/A	MSCT12
13	2 nd floor – front area – 1' x 2' ceiling tile	Negative	N/A	MSCT12
14a	1 st floor – front area top layer – paper insulation	Negative	N/A	MPI
14b	1 st floor – front area top layer – under paper insulation – mastic	Negative	N/A	MPI
14c	1 st floor – front area 2 nd layer – 12" white floor tile	Negative	N/A	MF12w
14d	1 st floor – front area 2 nd layer – under floor tile – mastic	Negative	N/A	MF12w
14e	1 st floor – front area 3 rd layer on concrete – white linoleum	Negative	N/A	MFLw
14f	1 st floor – front area 3 rd layer – under linoleum – mastic	Negative	N/A	MFLw
15a	1 st floor – back area under carpet – 12" white floor tile on concrete	Negative	N/A	MF12w
15b	1 st floor – back area under carpet – under floor tile on concrete – mastic	Negative	N/A	MF12w
16a	1 st floor – bathroom under linoleum – 12" white floor tile on concrete	Negative	N/A	MF12w
16b	1 st floor – bathroom under linoleum – under floor tile on concrete – mastic	Negative	N/A	MF12w

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	1,200 Sq. Ft.
1 st /2 nd	Building	Asphalt Shingle Siding	3,000 Sq. Ft.
2 nd	Bathroom/Bedroom	Floor Tile & Mastic	190 Sq. Ft.
2 nd	Back Area/Kitchen	Floor Mastic	130 Sq. Ft.

Homogeneous Material Codes

MDW	Drywall
MPT	Tar Paper
MFLok	Orange & Black Linoleum
MFLk	Black Linoleum
MFLe	Beige Linoleum
MFLc	Cream Linoleum
MFLw	White Linoleum
MSCT12	1' x 2' Ceiling Tile
MF12w	12" White Floor Tile
MPI	Paper 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.

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Storage Room

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

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior. 2 Breaker Boxes in Storage Room

- N/A Load Meters and Supply Relays
- N/A Phase Splitters
- N/A Microwave Relays
- N/A 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:

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

OTHER ENVIRONMENTAL ISSUES

- N/A Hazardous Waste
- N/A Oil Tanks
- N/A Well Abandonment
- N/A Junk Auto Tires
- N/A 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. 235082	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/05/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/12/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1575

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	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum CaCO3
005	5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum CaCO3
006	6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum CaCO3
007	7	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 10	Binder Foam Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235082	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/05/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/12/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1575

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
009	10	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Binder Vinyl Foam
009a		Layered	Brown Mastic	Asbestos Not Present	NA	
010	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 20	Perlite Paint
011	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 20	Perlite Paint
012	13	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 20	Perlite Paint
013	14	Layered	Gray Backing	Asbestos Not Present	Cellulose 40	Foam 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. 235082	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/05/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/12/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1575

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
013b		Layered	Cream Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
013c		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
013d		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Binder Vinyl Foam
013e		Layered	Black Mastic	Asbestos Not Present	NA	Glue
014	15	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
014a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235082

Account Number: B929

Date Received: 05/05/2014

Received By: Joanna Mueller

Date Analyzed: 05/12/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.1575

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	16	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
015a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Shweta Harankhedkar, Analyst

5/12/2014

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.



www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only
 Lab No. 235082
 Accept Reject

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1575 P.O. Number:	
---	--	--	--

SAMPLED BY: 	RELINQUISHED BY: 	DATE & TIME 5/2/14 17:00	DATE & TIME 5-5-14 10:00
------------------------	-----------------------------	---	---

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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

For Lab Use Only
Lab No. <u>235082</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

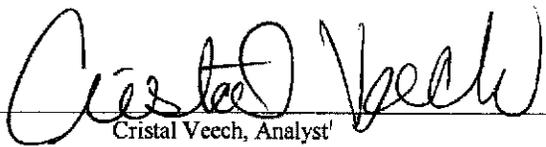


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235200	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/07/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/12/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1575

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	9	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
001a		Layered	Green Mastic	Asbestos Not Present	NA	Glue Binder
001b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue


 Cristal Veech, Analyst

5/12/2014
 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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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 235200

Accept [Signature] Reject

Report Results (✓) one box

QuantEM Website

Other_email

Contact Information

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

Contact: **Dean Jacobsen** Cell Phone:

Account #: **B929** Email: **djacobsen@harendra.com**

SAMPLED BY: Name: Date:

Project Information

Project Name: **DNS**

Project Location: **Milwaukee, WI**

Project ID: **14-200-042-1575**

P.O. Number:

RELINQUISHED BY [Signature]

DATE & TIME 5/6/14 1800

VIA Fax

RECEIVED BY [Signature]

DATE & TIME 5-7-14 1000

REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Charfield	<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 D5735	<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)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	9	<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"/>				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

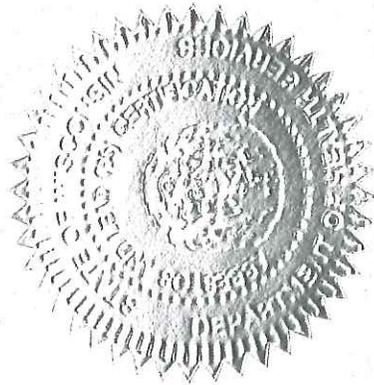
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A. Bruce

Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Eric Duane Christon

10908 W Langlade St

Milwaukee WI 53225-1319

275 lbs

6' 01"

AI-12823

Exp: 03/19/2015

11/16/1969

Male

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Multi Family Dwelling
2923 North Mother Simpson Way
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.: 14-200-042.2923
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations5

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

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2923 North Mother Simpson Way, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, tar paper, flue packing, aircell pipe insulation, window glazing compound, linoleum, ceramic tile, duct paper, 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 August 11, 2014 HMG conducted an asbestos inspection of a multi family dwelling, scheduled for mechanical demolition, located at 2923 North Mother Simpson Way, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, tar paper, flue packing, aircell pipe insulation, window glazing compound, linoleum, ceramic tile, duct paper, 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 – north 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 wood siding – tar paper	Negative	N/A	MPT
5	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
6	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
7	Basement – on chimney – flue packing	Negative	N/A	TFPy
8	Basement – <5” diameter aircell pipe insulation	Positive 80% Chrysotile	40 Ln. Ft.	TA5
9	Basement – on floor – insulation debris	Negative	N/A	MID
10	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
11	1 st floor – bedroom – on window – glazing compound	Negative	N/A	MPG
12	2 nd floor – stair – on window – glazing compound	Negative	N/A	MPG
13	1 st floor – back hall – south wall – plaster	Negative	N/A	SPI
14	1 st floor – kitchen – east wall – plaster	Negative	N/A	SPI
15	1 st floor – living room – south wall – plaster	Negative	N/A	SPI
16a	2 nd floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
16b	2 nd floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
17a	2 nd floor – stair – west wall – plaster skim coat	Negative	N/A	SPI
17b	2 nd floor – stair – west wall – plaster base coat	Negative	N/A	SPI
18	1st floor – kitchen – under floor tile east side – gold linoleum	Positive 25% Chrysotile	180 Sq. Ft.	MFLd
19	1st floor – kitchen – under floor tile north side – gold linoleum	Positive 25% Chrysotile	Reference Sample 18	MFLd
20	1st floor – kitchen – under floor tile west side – gold linoleum	Positive 25% Chrysotile	Reference Sample 18	MFLd
21	1 st floor – living room – on floor – white ceramic tile	Negative	N/A	MCTMw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22a	1 st floor – entry – ceiling – texture	Negative	N/A	STX
22b	1 st floor – entry – ceiling – texture layer 2	Negative	N/A	STX
23a	1 st floor – living room – east wall – texture	Negative	N/A	STX
23b	1 st floor – living room – east wall – texture layer 2	Negative	N/A	STX
24a	2 nd floor – dining room – north wall – texture	Negative	N/A	STX
24b	2 nd floor – dining room – north wall – texture layer 2	Negative	N/A	STX
25	1 st floor – west bedroom – west side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
26	1 st floor – west bedroom – east side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
27	1 st floor – west bedroom – center – 1' x 1' ceiling tile	Negative	N/A	MSCT11
28	1 st floor – back hall – yellow linoleum	Positive 25% Chrysotile	12 Sq. Ft.	MFLI
29	1 st floor – kitchen – east side under gold linoleum – brown linoleum	Positive 25% Chrysotile	180 Sq. Ft.	MFLn
30	1 st floor – kitchen – north side under gold linoleum – brown linoleum	Positive 25% Chrysotile	Reference Sample 29	MFLn
31	1 st floor – kitchen – west side under gold linoleum – brown linoleum	Positive 25% Chrysotile	Reference Sample 29	MFLn
32	2 nd floor – bathroom – gray linoleum	Negative	N/A	MFLy

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

6 sq. ft. assumed asbestos containing duct paper in basement.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 st	Bedroom/Kitchen	Floor Tile & Mastic	360 Sq. Ft.
1 st	Living Room/Bathroom/Back Hall	Floor Mastic	75 Sq. Ft.
2 nd	Hall/Kitchen	Floor Tile & Mastic	200 Sq. Ft.
2 nd	Bathroom	Floor Mastic	40 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFB	Fiberboard
MPT	Tar Paper
MPG	Glazing Compound
MID	Insulation Debris
MFLd	Gold Linoleum
MFLI	Yellow Linoleum
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MCTMw	White Ceramic Tile
MSCT11	1' x 1' Ceiling Tile
TFP	Flue Packing
TA5	<5" Diameter Aircell 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 aircell and duct paper may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 30 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239299	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/12/2014	1237 West Bruce St.
Received By: Leigh Armstrong	Milwaukee, WI 53204
Date Analyzed: 08/13/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Red Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	White 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.



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

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder
009	9	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
011	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand Gypsum
014	14	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 239299

Account Number: B929

Date Received: 08/12/2014

Received By: Leigh Armstrong

Date Analyzed: 08/13/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand Gypsum
016	16	Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
017	17	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
017a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
018	18	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
019	19	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

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

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
021	21	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 95	Paint
026	26	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
027	27	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
028	28	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
029	29	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
030	30	Homogeneous	Brown 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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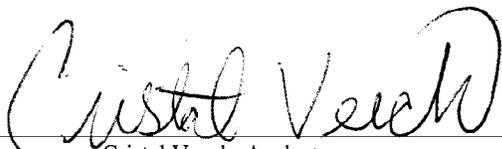


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Polarized Light Microscopy Asbestos Analysis Report

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

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
032	32	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl


Cristal Veech, Analyst

8/14/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	Report: Results <input checked="" type="checkbox"/> (one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 14-200-042.	<input type="checkbox"/> Other_email
SAMPLED BY: Eric Ruston	Date: 8/11/14 3:08	VIA FedEx	RECEIVED BY: <i>[Signature]</i>
	DATE & TIME		DATE & TIME
	8/11/14 3:08		8/12/14 9:45

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	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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Page 2 of 2
 For Lab Use Only
 Lab No. 239299
 Accept Reject

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



ASBESTOS CHAIN OF CUSTODY
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 239299
 Accept Reject

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

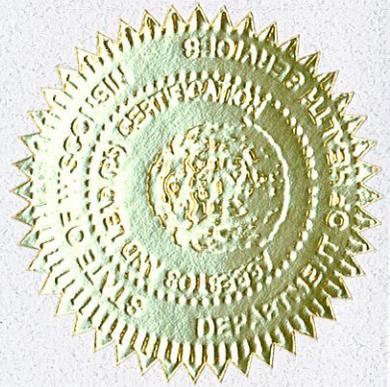
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT
Job Site:

Commercial Building
2529 West North Avenue
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-042.2529
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions.....3

VI. Limitations4

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

VIII. Laboratory Results9

IX. HMG Certifications10

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 2529 West North Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 18, 2014 HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 2529 West North Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – office – west wall – drywall	Negative	N/A	MDW
2a	1 st floor – office – west wall – drywall	Negative	N/A	MDW
2b	1 st floor – office – west wall – joint compound	Negative	N/A	MDW
3a	1 st floor – office – south wall – drywall	Negative	N/A	MDW
3b	1 st floor – office – south wall – joint compound	Negative	N/A	MDW
4	1 st floor – main area - <5” diameter aircell pipe insulation	Positive 80% Chrysotile	See Note #4	TA
5	1 st floor – office – west wall – texture	Negative	N/A	STX
6	1 st floor – office – east wall – texture	Negative	N/A	STX
7	1 st floor – office – south wall – texture	Negative	N/A	STX

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	3,400 Sq. Ft.

Homogeneous Material Codes

STX Texture
 MDW Drywall/Joint Compound
 TA Aircell 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: Approximately 30 linear feet aircell and 10 fittings on pipes. Approximately 2,400 square feet of floor contaminated with aircell insulation debris. Additional aircell and fittings may be within walls and ceilings.

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 1 st Floor
<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>2</u>	Light Ballasts – Exterior
<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 – Suspect UST North Side
<u>N/A</u>	Well Abandonment
<u>40</u>	Junk Auto Tires – 1 st Floor
<u>N/A</u>	Junk Vehicles

* 50 Gallons Paint 1st Floor

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. 239827	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 08/25/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2529

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
004	4	Homogeneous	Light Gray Linoleum	Asbestos Present Chrysotile 80	NA	Binder
005	5	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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

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Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2529

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
007	7	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Shweta Harankhedkar, Analyst

8/25/2014

Date of Report

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

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www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 239827
 Accept Reject
 Report Results one box
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company:	Harenda Management Group	Project Name:	DNS
Contact:	Dean Jacobsen	Project Location:	Milwaukee, WI
Account #:	B929	Project ID:	14-200-042.2529
SAMPLED BY:	Name:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	8/20/14 1800	FedEx	<i>Judy Rowan</i>	8/21/14 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	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 checked="" type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

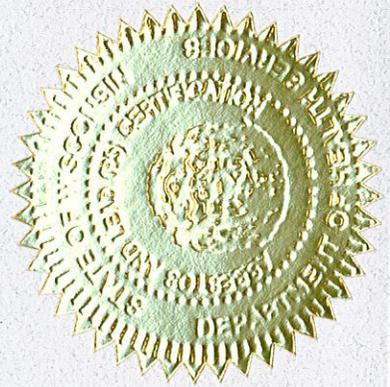
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Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

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