



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Three Family Rear Dwelling
1719-21 North Arlington Place
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1719
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the rear dwelling at 1719-21 North Arlington Place, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On April 7, 2014 HMG conducted an asbestos inspection of a three family rear dwelling, scheduled for mechanical demolition, located at 1719-21 North Arlington Place, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north wall under vinyl siding – shingle siding	Negative	N/A	MSS
2	Exterior – east wall under vinyl siding – shingle siding	Negative	N/A	MSS
3	Exterior – west wall under vinyl siding – shingle siding	Negative	N/A	MSS
4	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
5	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
6	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
7	Basement – east side – multicolored linoleum	Negative	N/A	MFLm
8	2 nd floor – west living room – multicolored linoleum	Negative	N/A	MFLm
9	2 nd floor – west bedroom – multicolored linoleum	Negative	N/A	MFLm
10	1 st floor – living room – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
11	1 st floor – kitchen – 2’ x 4’ smooth ceiling tile	Negative	N/A	MSCT24S
12	1 st floor – bathroom – 2’ x 4’ smooth ceiling tile	Negative	N/A	MSCT24S
13	1 st floor – kitchen – on wall – white ceramic tile	Negative	N/A	MCTMw
14	1 st floor – kitchen – 3 rd layer east side – yellow linoleum	Negative	N/A	MFLI
15	1 st floor – kitchen – 3 rd layer west side – yellow linoleum	Negative	N/A	MFLI
16	1 st floor – kitchen – 3 rd layer north side – yellow linoleum	Negative	N/A	MFLI
17	Basement – west end on duct – duct paper 60 sq. ft. of floor contaminated	Positive 75% Chrysotile	10 Sq. Ft.	TDW
18	2nd floor – kitchen – south window – glazing compound	Positive 4% Chrysotile	51 Windows	MPG
19	Basement – north window – glazing compound	Negative	N/A	MPG
20	1 st floor – kitchen – south window – glazing compound	Negative	N/A	MPG
21	1 st floor – kitchen – white linoleum	Negative	N/A	MFLw
22	1 st floor – kitchen – west wall – plaster	Negative	N/A	SPI
23	2 nd floor – living room – south wall – plaster	Negative	N/A	SPI
24	2 nd floor – kitchen – south wall – plaster	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
25	1 st floor – kitchen – north wall – plaster	Negative	N/A	SPI
26	2 nd floor – east bedroom – east wall – plaster	Negative	N/A	SPI
27	1 st floor – bathroom – west wall – plaster	Negative	N/A	SPI
28	Basement – west wall – plaster	Negative	N/A	SPI
29a	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
29b	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
30a	1 st floor – living room – north wall – joint compound	Negative	N/A	MDW
30b	1 st floor – living room – north wall – drywall	Negative	N/A	MDW
31a	1 st floor – bedroom – south wall – joint compound	Negative	N/A	MDW
31b	1 st floor – bedroom – south wall – drywall	Negative	N/A	MDW
32	1 st floor – stair – north wall – plaster #2	Negative	N/A	SPI2
33	1 st floor – stair – east wall – plaster #2	Negative	N/A	SPI2
34	2 nd floor – stair – west wall – plaster #2	Negative	N/A	SPI2
35	2 nd floor – kitchen – 1' x 1' ceiling tile	Negative	N/A	MSCT11
36	2 nd floor – kitchen – 1' x 1' ceiling tile	Negative	N/A	MSCT11
37	2 nd floor – 1 x 1' living room 1' ceiling tile	Negative	N/A	MSCT11
38	2 nd floor – kitchen – north wall – texture	Negative	N/A	STX
39	2 nd floor – living room – south wall – texture	Negative	N/A	STX
40	2 nd floor – east bedroom – east wall – texture	Negative	N/A	STX
41	2 nd floor – west kitchen – west side – brown linoleum	Negative	N/A	MFLn
42	2 nd floor – west kitchen – north side – brown linoleum	Negative	N/A	MFLn
43	2 nd floor – west kitchen – east side – brown linoleum	Negative	N/A	MFLn
44	2 nd floor – west kitchen – on counter – brown and tan linoleum	Negative	N/A	MFLnt
45	2 nd floor – west living room – west wall – texture #2	Negative	N/A	STX2
46	2 nd floor – west living room – east wall – texture #2	Negative	N/A	STX2
47	2 nd floor – west living room – south wall – texture #2	Negative	N/A	STX2
48	2 nd floor – west closet – brown and back linoleum	Negative	N/A	MFLnk
49	2 nd floor – west living room – 1' x 3' ceiling tile	Negative	N/A	MSCT13
50	2 nd floor – west living room – 1' x 3' ceiling tile	Negative	N/A	MSCT13
51	2 nd floor – west living room – 1' x 3' ceiling tile	Negative	N/A	MSCT13

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	1,700 Sq. Ft.
1 st	Pantry / / Hall/Living Room	Floor Tile & Mastic	950 Sq. Ft
2 nd	Bathrooms/Kitchens/ Bedroom/Living Room	Floor Mastic	600 Sq. Ft

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
STX	Texture
STX	Texture #2
MSS	Shingle Siding
MPT	Tar Paper
MFLm	Multicolored Linoleum
MFLI	Yellow Linoleum
MFLw	White Linoleum
MFLn	Brown Linoleum
MFLnt	Brown & Tan Linoleum
MFLnk	Brown & Black Linoleum
MSCT24	2' x 4' Ceiling Tile
MSCT11	1' x 1' Ceiling Tile
MSCT13	1' x 3' Ceiling Tile
MDW	Drywall/Joint Compound
MCTMw	White Ceramic Tile
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

1st floor living room and bedroom fire damaged and not accessible. Attic covered with debris and only partially accessible. Feces on 2nd floor kitchen floor. 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>1</u>	Dehumidifiers – Basement
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – 1 st Floor Kitchen
<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>9</u>	Fluorescent Lights – Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>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 – 4 Furnaces & 2 Water Heaters in Basement

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

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior. 3 Breaker Boxes in Basement

- 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 were 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

* 2 – 50 Gallon Drums Methanol in Basement

* 8 Gallons Paint in Attic, 40 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. 233954	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1719

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan/Brown Siding	Asbestos Not Present	Cellulose 70	Tar Sand
002	2	Homogeneous	Tan/Brown Siding	Asbestos Not Present	Cellulose 70	Tar Sand
003	3	Homogeneous	Tan/Brown Siding	Asbestos Not Present	Cellulose 70	Tar Sand
004	4	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 99	
005	5	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 99	
006	6	Homogeneous	Tan/Black Paper	Asbestos Not Present	Cellulose 95	
007	7	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint

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

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



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Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1719

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
009	9	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
010	10	Homogeneous	Gray Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
011	11	Homogeneous	Gray Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
012	12	Homogeneous	Gray Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
013	13	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
014	14	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 70	Tar Cork

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 70	Tar Cork
016	16	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 70	Tar Cork
017	17	Homogeneous	Gray/Black Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Paint
018	18	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3 Paint
019	19	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone Paint
020	20	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone Paint
021	21	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	NA	Vinyl Foam

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 233954	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1719

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
023	23	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
024	24	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
025	25	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
026	26	Homogeneous	Gray Plaster	Asbestos Not Present	Animal Hair	3 Quartz Sand
027	27	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
029	29	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
030	30	Laycred	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
031	31	Layered	White Joint Compound	Asbestos Not Present	Cellulose 70	CaCO3 Paint
031a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum

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032	32	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
033	33	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
034	34	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
035	35	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
036	36	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
037	37	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
038	38	Homogeneous	White Paint	Asbestos Not Present	NA	Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	39	Homogeneous	White Paint	Asbestos Not Present	NA	Paint
040	40	Homogeneous	White Paint	Asbestos Not Present	NA	Paint
041	41	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
042	42	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
043	43	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
044	44	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
045	45	Homogeneous	White Paint	Asbestos Not Present	NA	Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1719

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
046	46	Homogeneous	White Paint	Asbestos Not Present	NA	Paint
047	47	Homogeneous	White Paint	Asbestos Not Present	NA	Paint
048	48	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
049	49	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
050	50	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
051	51	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

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

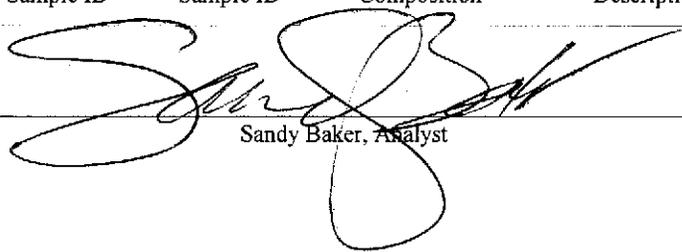
Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP 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. 233954	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/08/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 04/15/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1719

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				4/15/2014		
Sandy Baker, Analyst				Date of Report		

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

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



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. 233954
 Accept Reject
 Report Results (one box)
 Quantem Website
 Other email _____

Contact Information
 Company: **Harenda Management Group** Phone: **(414) 383-4800**
 Contact: **Dean Jacobsen** Cell Phone: _____
 Account #: **B929** E-mail: **djacobsen@harenda.com**
SAMPLED BY: Name: _____ Date: _____
Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.1719**
 P.O. Number: _____

RELINQUISHED BY: *[Signature]* **DATE & TIME:** 4/7/14 1800 **VIA:** FedEx **RECEIVED BY:** S. Hoffmann **DATE & TIME:** 4/8/14 10:00

REQUESTED SERVICES (Please check the appropriate boxes)

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

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



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

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

Do Not Test Mastic





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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. _____	Accept _____
	Reject _____

Project Information				Project Location: Milwaukee, WI		
Company: Harenda Management Group		Project Name: DNS				
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
5151		<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"/>				
0		<input type="checkbox"/>				
1		<input 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"/>				
0		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

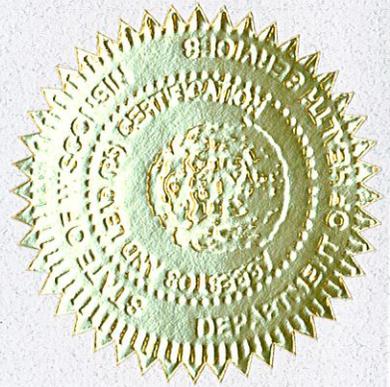
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Damian Scott Rogowski

140 E Davis St

Beaver Dam WI 53916-2943

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

expiration date: 03/19/2015



ASBESTOS INSPECTION REPORT
Job Site:

Mixed Use Building
1926 West Forest Home 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.: 13-2000-068.1926F
Contract No.: 360-13-0745

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

December 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 1926 West Forest Home Avenue, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, roofing, ceramic tile, drywall, window glazing compound, linoleum, aircell pipe insulation, fittings, fiberboard, and flue packing and 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 December 16, 2013, HMG conducted an asbestos inspection of a mixed use building and garage, scheduled for mechanical demolition, located at 1926 West Forest Home Avenue, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.

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 included plaster, texture, asphalt shingle siding, roofing, ceramic tile, drywall, window glazing compound, linoleum, aircell pipe insulation, fittings, fiberboard, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1926a	Exterior – south wall – asphalt shingle siding	Negative	N/A	MSS
1-1926b	Exterior – south wall – under asphalt shingle siding – tar paper	Negative	N/A	MSS
2-1926a	Exterior – east wall – asphalt shingle siding	Negative	N/A	MSS
2-1926b	Exterior – east wall – under asphalt shingle siding – tar paper	Negative	N/A	MSS
3-1926a	Exterior – west wall – asphalt shingle siding	Negative	N/A	MSS
3-1926b	Exterior – west wall – under asphalt shingle siding – tar paper	Negative	N/A	MSS
4-1926	Exterior – west wall – under wood – tar paper #2	Negative	N/A	MPT2
5-1926	Exterior – east wall – under wood – tar paper #2	Negative	N/A	MPT2
6-1926	Exterior – south wall – under wood – tar paper #2	Negative	N/A	MPT2
7-1926	Exterior – roof north side – top layer – red asphalt shingle	Negative	N/A	MRSr
8-1926	Exterior – roof east side – top layer – red asphalt shingle	Negative	N/A	MRSr
9-1926	Exterior – roof west side – top layer – red asphalt shingle	Negative	N/A	MRSr
10-1926	Exterior – roof north side – bottom layer – green asphalt shingle	Negative	N/A	MRSg
11-1926	Exterior – roof east side – bottom layer – green asphalt shingle	Negative	N/A	MRSg
12-1926	Exterior – roof west side – bottom layer – green asphalt shingle	Negative	N/A	MRSg
13-1926a	1 st floor – store area – west wall – plaster skim coat	Negative	N/A	SPI
13-1926b	1 st floor – store area – west wall – plaster base coat	Negative	N/A	SPI
14-1926a	1 st floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPI
14-1926b	1 st floor – kitchen – east wall – plaster base coat	Negative	N/A	SPI
15-1926a	1 st floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
15-1926b	1 st floor – living room – north wall – plaster base coat	Negative	N/A	SPI
16-1926a	1 st floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
16-1926b	1 st floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
17-1926a	Basement – stair – ceiling – plaster skim coat	Negative	N/A	SPI
17-1926b	Basement – stair – ceiling – plaster base coat	Negative	N/A	SPI
18-1926a	2 nd floor – hall – south wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-1926b	2 nd floor – hall – south wall – plaster base coat	Negative	N/A	SPI
19-1926a	1 st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
19-1926b	1 st floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
20-1926	1 st floor – bathroom – on tub wall – tan and brown ceramic tile	Negative	N/A	MCTMtn
21-1926	1 st floor – bathroom – south wall – drywall	Negative	N/A	MDW
22-1926	1 st floor – dining room – on arch – texture	Negative	N/A	STX
23-1926	1 st floor – southwest bedroom – west window – glazing compound	Negative	N/A	MPG
24-1926	2 nd floor – stair – west window – glazing compound	Negative	N/A	MPG
25-1926	Attic – east window – glazing compound	Negative	N/A	MPG
26-1926	2 nd floor – hall – top layer – green linoleum	Positive 30% Chrysotile	270 Sq. Ft.	MFLg
27-1926	2 nd floor – kitchen – top layer west side– green linoleum	Positive 30% Chrysotile	Reference 26-1926	MFLg
28-1926	2 nd floor – kitchen – top layer east side– green linoleum	Positive 30% Chrysotile	Reference 26-1926	MFLg
29-1926a	2 nd floor – kitchen – bottom layer east side – beige linoleum	Negative	N/A	MFLe
29-1926b	2 nd floor – kitchen – bottom layer east side – under linoleum – tar paper	Negative	N/A	MFLe
30-1926a	2 nd floor – kitchen – bottom layer west side – beige linoleum	Negative	N/A	MFLe
30-1926b	2 nd floor – kitchen – bottom layer west side– under linoleum – tar paper	Negative	N/A	MFLe
31-1926a	2 nd floor – hall – bottom layer – beige linoleum	Negative	N/A	MFLe
31-1926b	2 nd floor – hall – bottom layer – under linoleum – tar paper	Negative	N/A	MFLe
32-1926	Basement – northeast - <5" diameter aircell pipe insulation	Positive 50% Chrysotile	130 Ln. Ft.	TA5
33-1926	Basement – southwest - <5" diameter aircell pipe insulation	Positive 50% Chrysotile	Reference 32-1926	TA5
34-1926	Basement – southwest - <5" diameter aircell pipe insulation	Positive 50% Chrysotile	Reference 32-1926	TA5
35-1926	Basement – <5" diameter pipe insulation fitting	Positive 75% Chrysotile	38 Fittings	TF5
36-1926	Garage – exterior north wall – fiberboard	Negative	N/A	MFB
37-1926	Garage – exterior south wall – fiberboard	Negative	N/A	MFB
38-1926	Garage – exterior west wall – fiberboard	Negative	N/A	MFB
39-1926a	Garage – interior north wall – fiberboard #2	Negative	N/A	MFB2
39-1926b	Garage – interior north wall – under fiberboard #2 – tar paper	Negative	N/A	MFB2
40-1926a	Garage – interior south wall – fiberboard #2	Negative	N/A	MFB2
40-1926b	Garage – interior south wall – under fiberboard #2 – tar paper	Negative	N/A	MFB2
41-1926a	Garage – interior west wall – fiberboard #2	Negative	N/A	MFB2
41-1926b	Garage – interior west wall – under fiberboard #2 – tar paper	Negative	N/A	MFB2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
42-1926	Attic – south side – red and orange linoleum	Negative	N/A	MFLro
43-1926	Attic – near chimney – cream and black linoleum	Negative	N/A	MFLck
44-1926	Attic – east side – beige and green linoleum	Negative	N/A	MFLbe
45-1926	Attic – east side – brown and tan linoleum	Negative	N/A	MFLnt
46-1926a	Basement – east side – on west wall – texture #2 layer 1	Negative	N/A	STX
46-1926b	Basement – east side – on west wall – texture #2 layer 2	Negative	N/A	STX
47-1926a	Basement – east side – on south wall – texture #2 layer 1	Negative	N/A	STX
47-1926b	Basement – east side – on south wall – texture #2 layer 2	Negative	N/A	STX
48-1926a	Basement – east side – on east wall – texture #2 layer 1	Negative	N/A	STX
48-1926b	Basement – east side – on east wall – texture #2 layer 2	Negative	N/A	STX
49-1926a	Basement – on chimney – flue packing top layer	Negative	N/A	TFP
49-1926b	Basement – on chimney – flue packing bottom layer	Negative	N/A	TFP
50-1926	Attic – northeast side – red and cream linoleum	Negative	N/A	MFLrc

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.
1 st	Kitchen/Pantry/Bathroom	Floor Tile & Mastics	180 Sq. Ft.
2 nd	Hall/Kitchen	Floor Mastic	250 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MPT2	Tar Paper #2
MRSr	Red Asphalt Roofing
MRSg	Green Asphalt Roofing
MCTMtn	Tan & Brown Ceramic Tile
MDW	Drywall
MPG	Glazing Compound
MFLg	Green Linoleum
MFLe	Beige Linoleum
MFLro	Red & Orange Linoleum
MFLck	Cream & Black Linoleum
MFLeg	Beige & Green Linoleum
MFLnt	Brown & Tan Linoleum
MFLrc	Red & Cream Linoleum
MFB	Fiberboard
MFB2	Fiberboard #2
TA5	<5" Diameter Aircell Pipe Insulation

Homogeneous Material Codes

TF5 <5" Diameter Pipe Insulation Fitting
TFP Flue Packing

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

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

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

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

Note#5: Estimated cost for friable asbestos removal

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace 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 – 3 Electric Meters on Exterior. 3 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>3</u>	Light Ballasts – 2 nd Floor Kitchen
<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>5</u>	Junk Auto Tires – Garage
<u>N/A</u>	Junk Vehicles

* 20 Gallons Paint in Garage

* 3 Gas Meters in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1926	Layered	White Siding	Asbestos Not Present	Cellulose 70	Quartz Tar
001a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-1926	Layered	White Siding	Asbestos Not Present	Cellulose 70	Quartz Tar
002a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-1926	Layered	White Siding	Asbestos Not Present	Cellulose 70	Quartz Tar
003a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4-1926	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230180

Account Number: B929

Date Received: 12/19/2013

Received By: Joanna Mueller

Date Analyzed: 12/23/2013

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.1926

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5-1926	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6-1926	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7-1926	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar
008	8-1926	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar
009	9-1926	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar
010	10-1926	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar
011	11-1926	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-1926	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Quartz Tar
013	13-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
014	14-1926	Layered	Brown Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
014a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
015	15-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
015a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
016a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017	17-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
017a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
018	18-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
018a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19-1926	Layered	Yellow Skim Coat	Asbestos Not Present	NA	Quartz Sand Paint
019a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
020	20-1926	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
021	21-1926	Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
021a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
022	22-1926	Homogeneous	Teal Ceiling Texture	Asbestos Not Present	Talc 5	CaCO3 Paint
023	23-1926	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24-1926	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
025	25-1926	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
026	26-1926	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
027	27-1926	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
028	28-1926	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Foam
029	29-1926	Layered	Green/Tan Linoleum	Asbestos Not Present	Cellulose 75	Cork
029a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30-1926	Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 75	Cork
030a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
031	31-1926	Layered	Multi-Color Linoleum	Asbestos Not Present	Cellulose 75	Cork
031a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
032	32-1926	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
033	33-1926	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder
034	34-1926	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 40	Binder

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35-1926	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
036	36-1926	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
037	37-1926	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
038	38-1926	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
039	39-1926	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
039a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
040	40-1926	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
041	41-1926	Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
041a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
042	42-1926	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
043	43-1926	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
044	44-1926	Homogeneous	Green/Tan Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint
045	45-1926	Homogeneous	Dark Brown Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
046	46-1926	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
046a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
047	47-1926	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
047a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
048	48-1926	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand
048a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
049	49-1926	Layered	Yellow Plaster	Asbestos Not Present	NA	Quartz Sand

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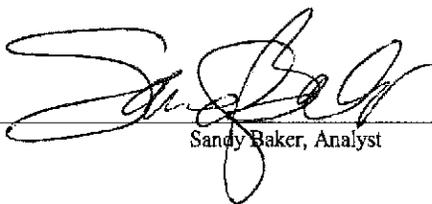


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230180	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/23/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1926

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
050	50-1926	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Tar Paint



Sandy Baker, Analyst

12/23/2013
Date of Report

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>230180</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	11-1926	<input checked="" type="checkbox"/>				
12	12-1926	<input type="checkbox"/>				
13	13-1926	<input type="checkbox"/>				
14	14-1926	<input type="checkbox"/>				
15	15-1926	<input type="checkbox"/>				
16	16-1926	<input type="checkbox"/>				
17	17-1926	<input type="checkbox"/>				
18	18-1926	<input type="checkbox"/>				
19	19-1926	<input type="checkbox"/>				
20	20-1926	<input type="checkbox"/>				Do Not Test Aesthetic
21	21-1926	<input type="checkbox"/>				
22	22-1926	<input type="checkbox"/>				
23	23-1926	<input type="checkbox"/>				
24	24-1926	<input type="checkbox"/>				
25	25-1926	<input type="checkbox"/>				
26	26-1926	<input type="checkbox"/>				Do Not Test Aesthetic
27	27-1926	<input type="checkbox"/>				
28	28-1926	<input type="checkbox"/>				
29	29-1926	<input type="checkbox"/>				
30	30-1926	<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>220180</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	
31	B1-1926	<input checked="" type="checkbox"/>				Do Not Test Mastic	
32	B2-1926	<input type="checkbox"/>					
33	B3-1926	<input type="checkbox"/>					
34	B4-1926	<input type="checkbox"/>					
35	B5-1926	<input type="checkbox"/>					
36	B6-1926	<input type="checkbox"/>					
37	B7-1926	<input type="checkbox"/>					
38	B8-1926	<input type="checkbox"/>					
39	B9-1926	<input type="checkbox"/>					
40	B10-1926	<input type="checkbox"/>					
41	B11-1926	<input type="checkbox"/>					
42	B12-1926	<input type="checkbox"/>				Do Not Test Mastic	
43	B13-1926	<input type="checkbox"/>					
44	B14-1926	<input type="checkbox"/>					
45	B15-1926	<input type="checkbox"/>					
46	B16-1926	<input type="checkbox"/>					
47	B17-1926	<input type="checkbox"/>					
48	B18-1926	<input type="checkbox"/>					
49	B19-1926	<input type="checkbox"/>					
50	B20-1926	<input checked="" type="checkbox"/>				Do Not Test Mastic	

IX. HMG CERTIFICATION

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Demicea Andrea Marie Cox

1237 W Bruce St

Milwaukee WI 53204-1218



Alt: 156385	Exp: 09/26/2014	150 lbs	5' 01"
		09/08/1971	Female

Training due by: 09/26/2014



**LEAD BASED PAINT
INSPECTION REPORT**

Job Site:

**Mixed Use Building
1926 West Forest Home 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.: 13-2000-068.1926L
Contract No.: 360-13-0745**

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**

December 2013

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A. Summary

B. Tests Results of Components

C. Summary of OSHA Lead Based Paint Regulations

D. Summary of Wisconsin Department of Natural Resources Information

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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: **1926 West Forest Home Avenue, Milwaukee, Wisconsin, mixed use 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 December 16, 2013. 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 0.7 milligrams of lead per square centimeter of surface (0.7 mg/cm^2) or 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: 1926 West Forest Home Avenue

- **Painted brick was observed on the exterior. Lead based paint was detected on the interior side of the black/brown painted brick mixed use building walls.**

Interior: 1926 West Forest Home Avenue

Painted block and brick walls were observed on the interior. Lead based paint was not detected.

Reference Test Results of Components below.

B. Test Results of Components:

Site: 1926 West Forest Home Avenue, Milwaukee, Wisconsin

Date: 12/16/13

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L-1926	Basement	Wall	Brick/Block	White	0.021	Negative
2L-1926	Exterior	East Wall (Outer)	Brick	White	0.0047	Negative
3L-1926	Exterior	East Wall (Inner)	Brick	Black/Brown	0.0988	Positive
4L-1926	Exterior	North Wall	Brick	Black/Brown	0.0577	Negative

The inspection did find Lead-Based Paint on the mixed use building exterior black/brown brick walls inner side. All other painted masonry surfaces do not have Lead-Based Paint. 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.

If the owner or contractor is not sure that an area has been remodeled in the past, any other paint that is disturbed should be handled as lead based paint. **Proper lead safe work practices (see Part C. below) should be followed to protect both workers and visitors in those circumstances.**

Lead-Based Paint components were in good condition at the time of this inspection. Where lead based paint is known or suspected, the owner and contractors must work in a lead safe manner, taking care to limit the amount of lead dust generated through wet work methods. Clean up in a lead safe manner, i.e. not dry sweeping or shop vacuuming. Use a HEPA vacuum and wet cleaning to work lead safe.

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 solid 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

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: 230191
Date Received: 12/19/13
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: CC
Date of Report: 12/23/2013

Client: Harena Management Group
Jolene Harena
1237 West Bruce St.
Milwaukee, WI 53204
Acct. No.: B929
Project: DNS
Location: Milwaukee, WI
Project No.: 13-2000-068.1926

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L-1926	Paint	Lead	0.0210	0.00399	%	12/23/13 10:00	P EPA 7000B (1)
002	2L-1926	Paint	Lead	0.00470	0.00411	%	12/23/13 10:00	P EPA 7000B (1)
003	3L-1926	Paint	Lead	0.0988	0.00483	%	12/23/13 10:00	P EPA 7000B (1)
004	4L-1926	Paint	Lead	0.0577	0.00366	%	12/23/13 10:00	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

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www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Crysta Font	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1926	

Page 1 of 1

For Lab Use Only

Lab No. **230191**

Accept Reject

Report Results one box QuantEM Website Other email

Sampled By: *[Signature]* Name: _____ Date: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	12/17/13 1700	FedEx	<i>[Signature]</i>	12/19/13 10:20

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 Codes			
							PPM	mg/l	µg/ft ²	µg/m ³		A Soil	B Paint Chips	C Surface / Dust Wipes
1	1L-1926				B	Pb <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
2	2L-1926				B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
3	3L-1926				B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
4	4L-1926				B	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
5														
6														
7														
8														
9														
10														
11														
12														

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



ASBESTOS INSPECTION REPORT

Job Site:

**Commercial Building
4616 West Hampton 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.: 14-200-042.4616
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 4616 West Hampton Avenue, Milwaukee, Wisconsin.

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

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 17, 2014 HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 4616 West Hampton 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 drywall, ceiling tile, ceramic tile, and caulk. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 st floor – west area – south wall – drywall	Negative	N/A	MDW
2	1 st floor – west area – east wall – drywall	Negative	N/A	MDW
3	1 st floor – east area – north wall – drywall	Negative	N/A	MDW
4	1 st floor – east area north side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
5	1 st floor – east area on floor – 1' x 1' ceiling tile	Negative	N/A	MSCT11
6	1 st floor – east area south side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
7a	1 st floor – entry floor – brown ceramic tile	Negative	N/A	MCTMn
7b	1 st floor – entry floor – grout/mortar	Negative	N/A	MCTMn
8a	1 st floor – east area – center floor – brown ceramic tile	Negative	N/A	MCTMn
8b	1 st floor – east area – center floor – grout/mortar	Negative	N/A	MCTMn
9a	1 st floor – east area – south floor – brown ceramic tile	Negative	N/A	MCTMn
9b	1 st floor – east area – south floor – grout/mortar	Negative	N/A	MCTMn
10a	1 st floor – west bathroom – on north wall – beige ceramic tile	Negative	N/A	MCTMe
10b	1 st floor – west bathroom – on north wall – grout	Negative	N/A	MCTMe
11a	1 st floor – east bathroom – on north wall – beige ceramic tile	Negative	N/A	MCTMe
11b	1 st floor – east bathroom – on north wall – grout	Negative	N/A	MCTMe
11c	1 st floor – east bathroom – on north wall – mastic	Negative	N/A	MCTMe
12a	1 st floor – east bathroom – on west wall – beige ceramic tile	Negative	N/A	MCTMe
12b	1 st floor – east bathroom – on west wall – grout	Negative	N/A	MCTMe
12c	1 st floor – east bathroom – on west wall – mastic	Negative	N/A	MCTMe
13	1 st floor – west area – 4" vinyl wallbase	Negative	N/A	MV4
14a	1 st floor – west bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
14b	1 st floor – west bathroom floor – grout/mortar	Negative	N/A	MCTMt
15a	1 st floor – east bathroom floor – brown & black ceramic tile	Negative	N/A	MCTMnk
15b	1 st floor – east bathroom floor – grout/mortar	Negative	N/A	MCTMnk
16	1 st floor – west side – 1' x 4' ceiling tile	Negative	N/A	MSCT14
17	1 st floor – west area entrance – on wall – caulk	Negative	N/A	MCLK
18	1 st floor – west area – west side – 12" floor tile	Negative	N/A	MF12
18	1 st floor – west area – west side – under floor tile – mastic	Negative	N/A	MF12
19	1 st floor – west area – east side – 12" floor tile	Negative	N/A	MF12
19	1 st floor – west area – east side – under floor tile – mastic	Negative	N/A	MF12
20	1 st floor – west area – center – 12" floor tile	Negative	N/A	MF12

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20	1 st floor – west area – center – under floor tile – mastic	Negative	N/A	MF12

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Built up Roofing & Flashing	5,600 Sq. Ft.
1 st	Laundry	Floor Tile & Mastic	2,500 Sq. Ft

Homogeneous Material Codes

MDW	Drywall
MSCT11	1' x 1' Ceiling Tile
MSCT14	1' x 4' Ceiling Tile
MCTMn	Brown Ceramic Tile
MCTMe	Beige Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMnk	Brown & Black Ceramic Tile
MV4	4" Vinyl Wallbase
MCLK	Caulk

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

Basement flooded and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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>1</u>	Vending Machines , Food Display Cases – 1 st Floor
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>1</u>	Fire Extinguishers (both portable and installed HALON suppression systems) – 1 st Floor
<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>135</u>	Fluorescent Lights – 1 st Floor, Exterior
<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 – 2 Electric Meters on Exterior. 13 Breaker Boxes 1st Floor

- 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
- 4 Light Ballasts – 1st Floor, Exterior
- 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

* 1-25 Gallon Drum & 1-15 Gallon Drum Unknown Liquids and 2 Gallons Grease Remover 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. 234637	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/23/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/26/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
002	2	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
003	3	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
004	4	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
005	5	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
006	6	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
007	7	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234637	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/23/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/26/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4616

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
008	8	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
008a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
009	9	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
009a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
010	10	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay

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. 234637	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/23/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 04/26/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4616

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
011a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
011b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
012	12	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
012a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
012b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
013	13	Homogeneous	Black Cove Base	Asbestos Not Present	NA	Vinyl

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

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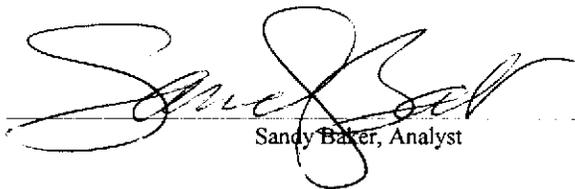


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.4616

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Tan Ceramic Tile	Asbestos Not Present	NA	Clay
014a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
015	15	Layered	Dark Brown Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	Dark Gray Grout	Asbestos Not Present	NA	Quartz Clay
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
017	17	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3


Sandy Baker, Analyst

4/26/2014
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.



ASBESTOS CHAIN OF CUSTODY

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 www.QuanTEM.com

For Lab Use Only
 Lab No. 2346357
 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: 14-200-042.4616	
SAMPLED BY: <i>[Signature]</i>	Date:	P.O. Number:	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME 4/22/14 (800)	VIA Fed Ex	RECEIVED BY <i>[Signature]</i>	DATE & TIME 4-23-14 9:50
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REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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>234637</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information				Project Location: Milwaukee, WI		
Company: Harenda Management Group		Project Name: DNS				
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 checked="" type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235074

Account Number: B929

Date Received: 05/05/2014

Received By: Joanna Mueller

Date Analyzed: 05/06/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.4616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
001a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
002	19	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
002a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
003	20	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
003a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Gayle Ooten, Analyst

5/6/2014
Date of Report

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

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



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www.QuanTEM.com

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For Lab Use Only
 Lab No. 235014
 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 Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.4616**
 P.O. Number:

RELINQUISHED BY
Dean Jacobsen
DATE & TIME
 5/2/14 1700
VIA
 FedEx
RECEIVED BY
J. Mueller
DATE & TIME
 5-5-14 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes			
							PLM	PLM	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"/>		<input type="checkbox"/>	Air- ISO 10312	<input type="checkbox"/>	Dust- Presence / Absence	<input checked="" type="checkbox"/>	24 - Hour
<input type="checkbox"/>	Gravimetric Preparation	<input type="checkbox"/>	PCM	<input type="checkbox"/>	Drinking Water- EPA 100.2	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>	Particle ID	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	Waste Water- EPA 600/4-83-043	<input type="checkbox"/>	Other	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1D	<input checked="" type="checkbox"/>				
2	19	<input type="checkbox"/>				
3	20	<input checked="" type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

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

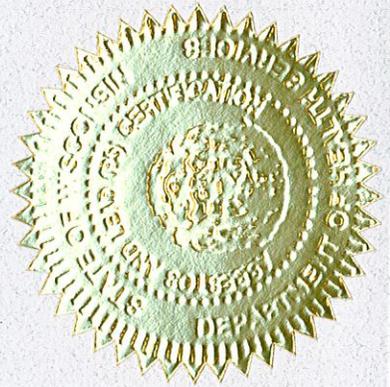
Asbestos Company - Primary

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
1932-34 North 30th 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.: 14-200-042.1932
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

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 1932-34 North 30th 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 May 13, 2014, HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 1932-34 North 30th 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

No friable or category II non-friable suspect asbestos containing materials (ACM) were identified.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
1 st	Building East Side	Asphalt Shingles	50 Sq. Ft.

Remaining materials consist of concrete block, brick, mortar, concrete, and slate.

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. 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

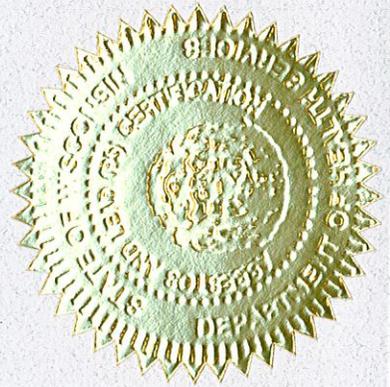
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Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



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