



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**Fire Damaged
Five Family Dwelling
2616 North 4th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-061.2616
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

February 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2616 North 4th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On February 14, 2014 HMG conducted an asbestos inspection of a five family dwelling, scheduled for mechanical demolition, located at 2616 North 4th Street, 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 plaster, texture, tar paper, drywall/joint compound, window glazing compound, duct paper, flue packing, aircell insulation, linoleum, ceiling tile, ceramic tile, blown in insulation, fiberboard, and magnesia pipe insulation . These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2616	Exterior – west wall under vinyl – tar paper	Negative	N/A	MPT
2-2616	Exterior – north wall under vinyl – tar paper	Negative	N/A	MPT
3-2616	Exterior – south wall under vinyl – tar paper	Negative	N/A	MPT
4-2616a	2 nd floor – apartment 3 living room – ceiling – joint compound	Negative	N/A	MDW
4-2616b	2 nd floor – apartment 3 living room – ceiling – drywall	Negative	N/A	MDW
5-2616a	1 st floor – apartment 2 bedroom – north wall – joint compound 1	Negative	N/A	MDW
5-2616b	1 st floor – apartment 2 bedroom – north wall – joint compound 2	Negative	N/A	MDW
5-2616c	1 st floor – apartment 2 bedroom – north wall – drywall	Negative	N/A	MDW
6-2616a	1 st floor – west apartment dining room – east wall – joint compound 1	Negative	N/A	MDW
6-2616b	1 st floor – west apartment dining room – east wall – joint compound 2	Negative	N/A	MDW
6-2616c	1 st floor – apartment 2 bedroom – north wall – drywall	Negative	N/A	MDW
7-2616	1 st floor – apartment 2 dining room – ceiling – texture	Negative	N/A	STX
8-2616	1 st floor – apartment 2 living room – ceiling – texture	Negative	N/A	STX
9-2616	1 st floor – apartment 2 living room – ceiling – texture	Negative	N/A	STX
10-2616	1 st floor – bedroom – south window – glazing compound	Negative	N/A	MPG
11-2616	1 st floor – apartment 4 kitchen – east window – glazing compound	Negative	N/A	MPG
12-2616	Basement – north window – glazing compound	Negative	N/A	MPG
13-2616	1 st floor – bathroom top layer – cream linoleum	Negative	N/A	MFLc
14-2616	1st floor – bathroom – on north wall pipes – duct paper	Positive 80% Chrysotile	5 Sq. Ft.	TDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15-2616	Basement – on floor northwest corner – aircell insulation	Positive 80% Chrysotile	10 Sq. Ft. of Floor & 2 Fittings	TA
16-2616a	Basement – on east side of chimney top layer – black flue packing	Negative	N/A	TFPk
16-2616b	Basement – on east side of chimney bottom layer – gray flue packing	Negative	N/A	TFPy
17-2616	1 st floor – west apartment kitchen – red and brown linoleum	Negative	N/A	MFLrn
18-2616	1st floor – east apartment kitchen – brown linoleum	Positive 6% Chrysotile	75 Sq. Ft.	MFLn
19-2616	1 st floor – east apartment living room – white ceiling tile	Negative	N/A	MSCTw
20-2616	1 st floor – east apartment bathroom under floor tile – white ceramic tile	Negative	N/A	MCTMw
21-2616	1 st floor – west apartment southeast bedroom – east wall – texture #2	Negative	N/A	STX2
22-2616	1 st floor – west apartment southeast bedroom – north wall – texture #2	Negative	N/A	STX2
23-2616	1 st floor – west apartment southeast bathroom – south wall – texture #2	Negative	N/A	STX2
24-2616a	1 st floor – stair – on steps top layer – black linoleum	Negative	N/A	MFLk
24-2616b	1 st floor – stair – on steps top layer – under linoleum – tar paper	Negative	N/A	MFLk
25-2616a	2 nd floor – living room – in ceiling – white blown in insulation	Negative	N/A	MBI
25-2616b	2 nd floor – living room – in ceiling – tan blown in insulation	Negative	N/A	MBI
26-2616a	Attic – on floor – white blown in insulation	Negative	N/A	MBI
26-2616b	Attic – on floor – tan blown in insulation	Negative	N/A	MBI
27-2616	Attic – on floor – blown in insulation	Negative	N/A	MBI
28-2616a	2 nd floor – east apartment living room – south wall – plaster skim coat	Negative	N/A	SPI
28-2616b	2 nd floor – east apartment living room – south wall – plaster base coat	Negative	N/A	SPI
29-2616	2 nd floor – west apartment living room – north wall – plaster	Negative	N/A	SPI
30-2616	2 nd floor – stair – ceiling – plaster	Negative	N/A	SPI
31-2616a	1 st floor – east apartment living room – west wall – plaster skim coat	Negative	N/A	SPI
31-2616b	1 st floor – east apartment living room – west wall – plaster base coat	Negative	N/A	SPI
32-2616a	1 st floor – east apartment kitchen – east wall – patch layer	Negative	N/A	SPI
32-2616b	1 st floor – east apartment kitchen – east wall – plaster skim coat	Negative	N/A	SPI
32-2616c	1 st floor – east apartment kitchen – east wall – plaster base coat	Negative	N/A	SPI
33-2616a	1 st floor – hall – south wall – plaster skim coat	Negative	N/A	SPI
33-2616b	1 st floor – hall – south wall – plaster base coat	Negative	N/A	SPI
33-2616a	1 st floor – hall – south wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
33-2616b	1 st floor – hall – south wall – plaster base coat	Negative	N/A	SPI
35-2616	1 st floor – east apartment dining room – east wall – fiberboard	Negative	N/A	MFB
36-2616	2 nd floor – east apartment kitchen – east wall – fiberboard	Negative	N/A	MFB
37-2616	2 nd floor – east apartment dining room – crawl space wall – fiberboard	Negative	N/A	MFB
38-2616a	2 nd floor – west bathroom floor – under tile – mortar	Negative	N/A	MCTMM
38-2616b	2 nd floor – west bathroom floor – under mortar – leveling compound	Negative	N/A	MCTMM
39-2616	2 nd floor – east apartment dining room – bottom layer – cream/black/red linoleum	Negative	N/A	MFLckr
40-2616	2 nd floor – east apartment kitchen – top layer – tan and blue linoleum	Negative	N/A	MFLtb
41-2616	Basement – on floor near chimney – gray pipe insulation	Negative	N/A	TFy
42-2616a	Basement – on east side of chimney – top layer – light gray flue packing	Negative	N/A	TFPyLight
42-2616b	Basement – on east side of chimney – bottom layer – tan flue packing	Negative	N/A	TFPt
43-2616	Basement – southeast area on ceiling – orange linoleum	Positive 25% Chrysotile	60 Sq. Ft.	MFLo
44-2616	2 nd floor – west apartment kitchen – beige linoleum	Negative	N/A	MFLe

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,400 Sq. Ft.
1 st	Bathrooms/Kitchens/Stair	Floor Tile & Mastic	300 Sq. Ft.
2 nd	Dining Rooms/Kitchens/Bathrooms	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MFLc	Cream Linoleum
MFLr	Red Linoleum
MFLn	Brown Linoleum
MFLk	Black Linoleum
MFLckr	Cream/Black/Red Linoleum
MFLtb	Tan & Blue Linoleum
MFLo	Orange Linoleum
MFLe	Beige Linoleum
MSCTw	White Ceiling Tile
MCTMw	White Ceramic Tile

Homogeneous Material Codes

MBI	Blown in Insulation
MFB	Fiberboard
MLC	Leveling Compound
TDW	Duct Paper
TA	Aircell Insulation
TFy	Gray Pipe Insulation
TFPk	Black Flue Packing
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPt	Tan Flue Packing

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – 2 nd 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>1</u>	Fire Extinguishers (both portable and installed HALON suppression systems) – Basement
<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>13</u>	Fluorescent Lights – 1 st Floor, 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>1</u>	Old Thermostats – 2 nd 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 Boiler & 1 Water Heater in Basement

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

ELECTRICAL SYSTEMS – 5 Electric Meters on Exterior. 5 Breaker Boxes in Basement

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

PCBs

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

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> 4 </u>	Light Ballasts – Basement
<u> N/A </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u> N/A </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231968	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2616	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-2616	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-2616	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4-2616	Layered	White Texture	Asbestos Not Present	NA	CaCO3
004a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
004b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
005	5-2616	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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

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



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Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
005b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
006	6-2616	Layered	White Texture	Asbestos Not Present	NA	CaCO3
006a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
006b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
007	7-2616	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose	10 CaCO3
008	8-2616	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9-2616	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
010	10-2616	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
011	11-2616	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
012	12-2616	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
013	13-2616	Homogeneous	Green Sheet Vinyl	Asbestos Not Present	Cellulose 10 Glass Fiber 5 Synthetic 10	Vinyl
014	14-2616	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 80	NA	Binder
015	15-2616	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-2616	Layered	Black Stucco	Asbestos Not Present	NA	Sand CaCO3
016a		Layered	Gray Stucco	Asbestos Not Present	NA	CaCO3
017	17-2616	Homogeneous	Red Flooring	Asbestos Not Present	NA	Vinyl CaCO3
018	18-2616	Homogeneous	Tan Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
019	19-2616	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
020	20-2616	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
021	21-2616	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22-2616	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23-2616	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24-2616	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 25 Synthetic 10	Binder
024a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
025	25-2616	Layered	White Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 99	
025a		Layered	Tan Insulation	Asbestos Not Present	Cellulose 100	
026	26-2616	Layered	White Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 99	

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Tan Insulation	Asbestos Not Present	Cellulose 100	
027	27-2616	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
028	28-2616	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
028a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
029	29-2616	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand Paint
030	30-2616	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand Paint
031	31-2616	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3

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Quantem Lab No. 231968
 Account Number: B929

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

Date Received: 02/14/2014
 Received By: Joanna Mueller
 Date Analyzed: 02/18/2014
 Analyzed By: Cristal Veech
 Methodology: EPA/600/R-93/116

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-061.2616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
032	32-2616	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint
032a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
032b		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
033	33-2616	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
033a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
034	35-2616	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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. 231968
 Account Number: B929
 Date Received: 02/14/2014
 Received By: Joanna Mueller
 Date Analyzed: 02/18/2014
 Analyzed By: Cristal Veech
 Methodology: EPA/600/R-93/116

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

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-061.2616

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	36-2616	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
036	37-2616	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
037	38-2616	Layered	White Texture	Asbestos Not Present	NA	CaCO3
037a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 3	Sand CaCO3
038	39-2616	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
039	40-2616	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
040	41-2616	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 60	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 231968

Account Number: B929

Date Received: 02/14/2014

Received By: Joanna Mueller

Date Analyzed: 02/18/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

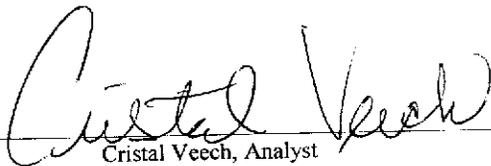
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2616

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	42-2616	Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
041a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
042	43-2616	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
043	44-2616	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl


Cristal Veech, Analyst

2/18/2014

Date of Report

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

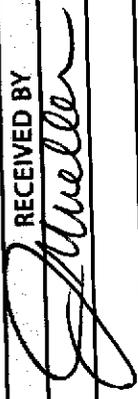
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ASBESTOS CHAIN OF CUSTODY

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



LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-061.2616 P.O. Number:		Project Information Report Results <input checked="" type="checkbox"/> one box Quantem Website <input checked="" type="checkbox"/> Other_email <input type="checkbox"/>
Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929	Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:	RECEIVED BY 
SAMPLED BY:  Name: DATE & TIME: 2/13/14 1800 VIA: FedEx	DATE & TIME:	DATE & TIME: 2/14/14 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2616	<input checked="" type="checkbox"/>			
2	2-2616	<input type="checkbox"/>			
3	3-2616	<input type="checkbox"/>			
4	4-2616	<input type="checkbox"/>			
5	5-2616	<input type="checkbox"/>			
6	6-2616	<input type="checkbox"/>			
7	7-2616	<input type="checkbox"/>			
8	8-2616	<input type="checkbox"/>			
9	9-2616	<input type="checkbox"/>			
10	10-2616	<input checked="" type="checkbox"/>			



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 231968
 Accept Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2616				Do Not Test Mastic ↑
12	12-2616				
13	13-2616				
14	14-2616				
15	15-2616				
16	16-2616				
17	17-2616				
18	18-2616				
19	19-2616				
20	20-2616				
21	21-2616				
22	22-2616				
23	23-2616				
24	24-2616				
25	25-2616				
26	26-2616				
27	27-2616				
28	28-2616				
29	29-2616				
30	30-2616				



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>231968</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2616	<input checked="" type="checkbox"/>				
32	32-2616	<input type="checkbox"/>				
33	33-2616	<input type="checkbox"/>				
34	35-2616	<input type="checkbox"/>				
35	36-2616	<input type="checkbox"/>				
36	37-2616	<input type="checkbox"/>				
37	38-2616	<input type="checkbox"/>				Do Not Test/Mark
38	39-2616	<input type="checkbox"/>				
39	40-2616	<input type="checkbox"/>				
40	41-2616	<input type="checkbox"/>				
41	42-2616	<input type="checkbox"/>				
42	43-2616	<input type="checkbox"/>				
43	44-2616	<input checked="" type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services



Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

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

Training due by: 09/26/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

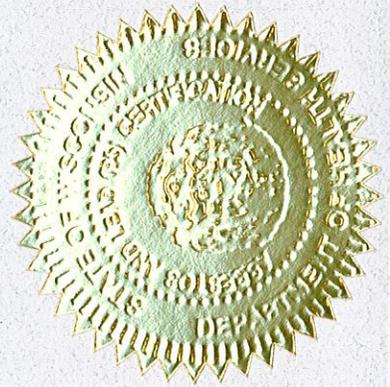
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTION REPORT

Job Site:

**Commercial Garage
1646 West Atkinson 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.: 13-2000-068.16463
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
P. O. Box 511305
New Berlin, Wisconsin 53151-2105

June 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 1646 West Atkinson Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On June 4, 2013, HMG conducted an asbestos inspection of a commercial garage scheduled for mechanical demolition, located at 1646 West Atkinson 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 nonfriable 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) plaster, texture, pyrobar, and glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1646a	1 st floor – south room – ceiling – plaster skim coat	Negative	N/A	SPI
1-1646b	1 st floor – south room – ceiling – plaster base coat	Negative	N/A	SPI
2-1646a	1 st floor – south room – south wall – plaster skim coat	Negative	N/A	SPI
2-1646b	1 st floor – south room – south wall – plaster base coat	Negative	N/A	SPI
3-1646a	1 st floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
3-1646b	1 st floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
4-1646a	1 st floor – west room – ceiling – plaster skim coat	Negative	N/A	SPI
4-1646b	1 st floor – west room – ceiling – plaster base coat	Negative	N/A	SPI
5-1646a	1 st floor – west room – east wall – plaster skim coat	Negative	N/A	SPI
5-1646b	1 st floor – west room – east wall – plaster base coat	Negative	N/A	SPI
6-1646	1 st floor – bathroom – ceiling – texture	Negative	N/A	STX
7-1646	1 st floor – bathroom – east wall – texture	Negative	N/A	STX
8-1646	1 st floor – bathroom – north wall – texture	Negative	N/A	STX
9-1646	1 st floor – west room – west wall – texture #2	Negative	N/A	STX2
10-1646	1 st floor – west room – south wall – texture #2	Negative	N/A	STX2
11-1646a	1 st floor – west room – east wall – texture #2	Negative	N/A	STX2
11-1646b	1 st floor – west room – east wall – patch layer	Negative	N/A	STX2
12-1646	1 st floor – west room – in ceiling – pyrobar	Negative	N/A	MPB
13-1646	1 st floor – west room – on floor – pyrobar	Negative	N/A	MPB
14-1646	1 st floor – west room – on floor – pyrobar	Negative	N/A	MPB
15-1646	1 st floor – south room – south window – glazing compound	Negative	N/A	MPG
16-1646	1 st floor – west room – south window – glazing compound	Negative	N/A	MPG
17-1646	1 st floor – west room – west window – glazing compound	Negative	N/A	MPG

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Asphalt Shingles & Flashing	1,500 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX	Texture #2
MPB	Pyrobar
MPG	Glazing Compound

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

<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>20</u>	Light Ballasts – West Room
<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>15</u>	Junk Auto Tires – West Room
<u>1</u>	Junk Vehicles – Exterior

* 2 Dumpsters (4x6 and 5x15) Exterior

* Pile Auto Parts 4' to 6' High in South Room

* 2 Acetylene Tanks, 5 Oxygen Tanks, & 2 Trailers in West Room

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. 222884	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 06/14/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 06/19/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1646

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3

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Date Analyzed: 06/19/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1646

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6-1646	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7-1646	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8-1646	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9-1646	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 06/14/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 06/19/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1646

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10-1646	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11-1646	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
011a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	12-1646	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
013	13-1646	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
014	14-1646	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
015	15-1646	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3

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

QuantEM is a NVLAP accredited TEM and 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 other 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. 222884

Account Number: B929

Date Received: 06/14/2013

Received By: Joanna Mueller

Date Analyzed: 06/19/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

P.O. Box 511305

New Berlin, WI 53151-2105

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.1646

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-1646	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
017	17-1646	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3

Gayle Ooten, Analyst

6/19/2013

Date of Report

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

Quantem is a NVLAP accredited TEM and 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 other 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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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 222884
 Accept Reject

Report Results (in one box)
 QuantEM Website
 Other email

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: 13-2000-068.1646	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>6/13/13 1700</u>	VIA: <u>Fed Ex</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>6/14/13 9:30</u>
-------------------------------------	----------------------------------	--------------------	---------------------------------	----------------------------------

REQUESTED SERVICES (Please check the appropriate boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-1646	<input checked="" type="checkbox"/>			
2	2-1646	<input type="checkbox"/>			
3	3-1646	<input type="checkbox"/>			
4	4-1646	<input type="checkbox"/>			
5	5-1646	<input type="checkbox"/>			
6	6-1646	<input type="checkbox"/>			
7	7-1646	<input type="checkbox"/>			
8	8-1646	<input type="checkbox"/>			
9	9-1646	<input type="checkbox"/>			
10	10-1646	<input checked="" type="checkbox"/>			Do Not Analyze Mastic



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

For Lab Use Only
 Lab No. 222-889
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-1646	<input checked="" type="checkbox"/>				Do Not Analyze Matrix
12	12-1646	<input type="checkbox"/>				
13	13-1646	<input type="checkbox"/>				
14	14-1646	<input type="checkbox"/>				
15	15-1646	<input type="checkbox"/>				
16	16-1646	<input type="checkbox"/>				
17	17-1646	<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"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Commercial Building
5509 West Center Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.5509
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

February 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 5509 West Center Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On February 13, 2014 HMG conducted an asbestos inspection of a commercial building, scheduled for mechanical demolition, located at 5509 West Center Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AI – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-5509a	Exterior – west side – north wall – plaster skim coat	Negative	N/A	SPI
1-5509b	Exterior – west side – north wall – plaster base coat	Negative	N/A	SPI
2-5509a	Exterior – west side – north wall – plaster skim coat	Negative	N/A	SPI
2-5509b	Exterior – west side – north wall – plaster base coat	Negative	N/A	SPI
3-5509a	Exterior – west side – soffit – plaster skim coat	Negative	N/A	SPI
3-5509b	Exterior – west side – soffit – plaster base coat	Negative	N/A	SPI
4-5509a	1 st floor – northwest room – on southeast wall – tan ceramic tile	Negative	N/A	MCTMt
4-5509b	1 st floor – northwest room – on southeast wall – grout	Negative	N/A	MCTMt
5-5509a	1 st floor – girls restroom – south wall – tan ceramic tile	Negative	N/A	MCTMt
5-5509b	1 st floor – girls restroom – south wall – grout	Negative	N/A	MCTMt
6-5509a	1 st floor – boys restroom – north wall – tan ceramic tile	Negative	N/A	MCTMt
6-5509b	1 st floor – boys restroom – north wall – grout	Negative	N/A	MCTMt
7-5509	1st floor – south hall – on north wall duct – duct paper	Positive 75% Chrysotile	35 Sq. Ft.	TDW
8-5509	1st floor – boys restroom – on south wall duct – duct paper	Positive 75% Chrysotile	Reference 7-5509	TDW
9-5509	Basement – southwest room – on ducts – duct paper	Positive 75% Chrysotile	Reference 7-5509	TDW
10-5509	1 st floor – northwest room – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
11-5509	1 st floor – southwest room – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
12-5509	1 st floor – south center office – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
13-5509a	1 st floor – southwest bathroom – west wall – plaster #2 skim coat	Negative	N/A	SPI2
13-5509b	1 st floor – southwest bathroom – west wall – plaster #2 base coat	Negative	N/A	SPI2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14-5509a	Basement – stair – east wall – plaster #2 skim coat	Negative	N/A	SPI2
14-5509b	Basement – stair – east wall – plaster #2 base coat	Negative	N/A	SPI2
14-5509c	Basement – stair – east wall – drywall	Negative	N/A	SPI2
15-5509a	1 st floor – northwest room – ceiling – plaster #2 skim coat	Negative	N/A	SPI2
15-5509b	1 st floor – northwest room – ceiling – plaster #2 base coat	Negative	N/A	SPI2
15-5509c	1 st floor – northwest room – ceiling – drywall	Negative	N/A	SPI2
16-5509a	1 st floor – south hall – west wall – plaster #2 skim coat	Negative	N/A	SPI2
16-5509b	1 st floor – south hall – west wall – plaster #2 base coat	Negative	N/A	SPI2
17-5509a	1 st floor – girls restroom – north wall – plaster #2 skim coat	Negative	N/A	SPI2
17-5509b	1 st floor – girls restroom – north wall – plaster #2 base coat	Negative	N/A	SPI2
17-5509c	1 st floor – girls restroom – north wall – drywall	Negative	N/A	SPI2
18-5509a	1 st floor – southwest bathroom – white and gray ceramic tile	Negative	N/A	MCTMwy
18-5509b	1 st floor – southwest bathroom – grout	Negative	N/A	MCTMwy
19-5509a	1 st floor – southwest room – west wall – joint compound	Negative	N/A	MDW
19-5509b	1 st floor – southwest room – west wall – drywall	Negative	N/A	MDW
20-5509a	1 st floor – northeast room – east wall – joint compound	Negative	N/A	MDW
20-5509b	1 st floor – northeast room – east wall – drywall	Negative	N/A	MDW
21-5509a	1 st floor – northeast room – west wall – joint compound	Negative	N/A	MDW
21-5509b	1 st floor – northeast room – west wall – drywall	Negative	N/A	MDW
22-5509	Basement – southwest room – on west wall – flue packing	Positive 25% Chrysotile	1 Sq. Ft.	TFP
23-5509	1 st floor – northwest room – south wall – texture	Negative	N/A	STX
24-5509	1 st floor – south hall – east wall – texture	Negative	N/A	STX
25-5509	1 st floor – north center area – ceiling – texture	Negative	N/A	STX
26-5509	1 st floor – south center office – west wall – texture	Negative	N/A	STX
27-5509	1 st floor – southeast office – north wall – texture	Negative	N/A	STX
28-5509	1 st floor – boys restroom – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
29-5509a	1 st floor – northeast room – under carpet on concrete – 12" tan floor tile	Negative	N/A	MF12t
29-5509b	1 st floor – northeast room – under floor tile – black mastic	Negative	N/A	MF12t
30-5509a	1 st floor – kitchen floor – north side – black ceramic tile	Negative	N/A	MCTMk
30-5509b	1 st floor – kitchen floor – north side – under ceramic tile – mortar	Negative	N/A	MCTMk
30-5509c	1 st floor – kitchen floor – north side – grout	Negative	N/A	MCTMk
31-5509a	1 st floor – kitchen floor – south side – black ceramic tile	Negative	N/A	MCTMk
31-5509b	1 st floor – kitchen floor – south side – under ceramic tile – mortar	Negative	N/A	MCTMk

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
31-5509c	1 st floor – kitchen floor – south side – grout	Negative	N/A	MCTMk
32-5509a	1 st floor – southwest room floor – black ceramic tile	Negative	N/A	MCTMk
32-5509b	1 st floor – southwest room floor – under ceramic tile – mortar	Negative	N/A	MCTMk
32-5509c	1 st floor – southwest room floor – grout	Negative	N/A	MCTMk
33-5509	Exterior – around doors and windows on block – caulk	Positive 8% Chrysotile	11 Windows & 6 Doors	MCLK
34-5509	1 st floor – southwest room – south window – glazing compound	Negative	N/A	MPG

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Building	Built up Roofing & Flashing	4,200 Sq. Ft.
1 st	Northwest Room/Restrooms	Floor Tile & Mastic	1,600 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
STX	Texture
MCTMt	Tan Ceramic Tile
MCTMwy	White & Gray Ceramic Tile
MCTMk	Black Ceramic Tile
MSCT24PG	2' x 4' Pinholed & Grooved Ceiling Tile
MSCT24S	2' x 4' Smooth Ceiling Tile
MDW	Drywall/Joint Compound
MF12t	12" Tan Floor Tile
MCLK	Caulk
MPG	Glazing Compound
TFP	Flue Packing
TDW	Duct Paper

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

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

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

Note#4: Asbestos containing caulk is a category I non-friable material and only requires abatement if underlying block will be recycled.

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

V. EXCLUSIONS

Northeast room floor covered with frozen fire debris and only partially accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & 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>8</u>	Refrigerators, Freezers , Chillers – Northwest Room, Kitchen, Southwest Room, Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>1</u>	Water Fountains (bubblers) – South Hall
<u>4</u>	Fire Extinguishers (both portable and installed HALON suppression systems) – Northwest Room, Northeast Room, Kitchen, Basement
<u>1</u>	Water Coolers – Southwest Room

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>170</u>	Fluorescent Lights – Exterior, 1 st Floor, Basement
<u>3</u>	High Intensity Discharge – Exterior -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>1</u>	Neon – Exterior
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – South Center Office

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>60</u>	Light Ballasts – Exterior, 1 st Floor, Basement Southwest Room Pile
<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>25</u>	Junk Auto Tires – Basement
<u>1</u>	Junk Vehicles – Van in Back

* 35 Gallons Paint, 2 Gallons Thinner, 10 Gallons Roof Sealer, 1 Lawn Mower, 1 Snow Blower, & 1 Compressor in Basement

* 1 Gas Meter on Exterior

* 2 Exit Signs on 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. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
002	2-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
003	3-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
004	4-5509	Layered	Black 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.



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
005	5-5509	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
005a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
006	6-5509	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
006a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
007	7-5509	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder
008	8-5509	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9-5509	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder
010	10-5509	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 55 Glass Fiber 5	Perlite Paint
011	11-5509	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 55 Glass Fiber 5	Perlite Paint
012	12-5509	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 55 Glass Fiber 5	Perlite Paint
013	13-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
014b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
015	15-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
015b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
016	16-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017	17-5509	Layered	White Plaster	Asbestos Not Present	NA	Quartz Sand Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
017b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
018	18-5509	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
018a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
019	19-5509	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
020	20-5509	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3
020a		Layered	Gray Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
021	21-5509	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
022	22-5509	Composite	Gray/Tan Insulation	Asbestos Present Chrysotile 25	Cellulose 25 Glass Fiber 25	Binder
023	23-5509	Homogeneous	Cream Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24-5509	Homogeneous	Cream Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25-5509	Homogeneous	Cream Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26-5509	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27-5509	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28-5509	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
029	29-5509	Layered	Light Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
029a		Layered	Black Mastic	Asbestos Not Present	Cellulose 6	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. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30-5509	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
030a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Clay
030b		Layered	Black Grout	Asbestos Not Present	NA	CaCO3 Clay
031	31-5509	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
031a		Layered	Light Gray Grout	Asbestos Not Present	NA	CaCO3 Clay
031b		Layered	Black Grout	Asbestos Not Present	NA	CaCO3 Clay
032	32-5509	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay

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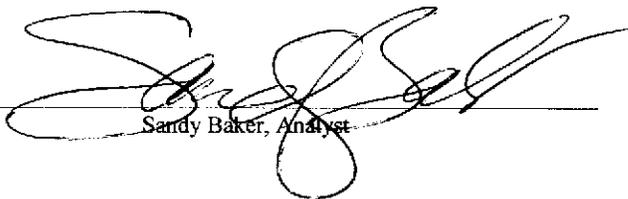


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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231951	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/14/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.5509

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032a		Layered	Light Gray Grout	Asbestos Not Present	NA	Quartz Sand
032b		Layered	Black Grout	Asbestos Not Present	NA	CaCO3 Clay
033	33-5509	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 8	NA	CaCO3 Paint
034	34-5509	Homogeneous	Beige Window Glazing	Asbestos Not Present	NA	CaCO3 Paint


Sandy Baker, Analyst

2/14/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

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For Lab Use Only
 Lab No. 231951
 Accept Reject

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLED BY: Name: _____		Contact Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.5509 P.O. Number: _____	
Phone: (414) 383-4800 Cell Phone: _____ E-mail: djacobsen@harenda.com Date: _____		Report Results (one box) <input checked="" type="checkbox"/> QuantEM Website <input type="checkbox"/> Other_email _____	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <u>2/13/14 1800</u>	VIA <u>FedEx</u>	RECEIVED BY <i>[Signature]</i>	DATE & TIME <u>02/14/14 1600</u>
---------------------------------------	------------------------------------	---------------------	-----------------------------------	-------------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input 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	1-5559	<input checked="" type="checkbox"/>				
2	2-5559	<input type="checkbox"/>				
3	3-5559	<input type="checkbox"/>				
4	4-5559	<input type="checkbox"/>				
5	5-5559	<input type="checkbox"/>				
6	6-5559	<input type="checkbox"/>				
7	7-5559	<input type="checkbox"/>				
8	8-5559	<input type="checkbox"/>				
9	9-5559	<input type="checkbox"/>				
10	10-5559	<input checked="" type="checkbox"/>				

Do Not Test Mastic
↓



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For Lab Use Only	
Lab No. <u>231951</u>	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	11-5509				
12	12-5509				
13	13-5509				
14	14-5509				
15	15-5509				
16	16-5509				
17	17-5509				
18	18-5509				Do Not Test Mastic
19	19-5509				
20	20-5509				
21	21-5509				
22	22-5509				
23	23-5509				
24	24-5509				
25	25-5509				
26	26-5509				
27	27-5509				
28	28-5509				
29	29-5509				
30	30-5509				



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Page 3 of 3

For Lab Use Only	
Lab No. <u>231951</u>	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	31-5501	<input checked="" type="checkbox"/>				
32	32-5509	<input type="checkbox"/>				
33	33-5509	<input checked="" type="checkbox"/>				
34	34-5509	<input checked="" type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

