



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
4448 North 41st 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.: 16-400-014.4448
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 4448 North 41st Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, caulk, window glazing compound, duct paper, drywall/joint compound, false stone, ceramic tile, linoleum, false brick, joint compound patch, flue packing, furnace insulation, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 26, 2016, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 4448 North 41st Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14730.

The inspection was comprised of three elements:

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

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over the polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, caulk, window glazing compound, duct paper, drywall/joint compound, false stone, ceramic tile, linoleum, false brick, joint compound patch, flue packing, furnace insulation, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall under aluminum siding – fiberboard	Negative	MFB
2	Exterior – south wall under aluminum siding – fiberboard	Negative	MFB
3	Exterior – east wall under aluminum siding – fiberboard	Negative	MFB
4	Exterior – on west wall corner – gray caulk	Negative	MCLK _y
5	Exterior – around south window – gray caulk	Negative	MCLK _y
6	Exterior – around east door – gray caulk	Negative	MCLK _y
7	1 st floor – living room – on west window – glazing compound	Negative	MPG
8	Basement – on south window – glazing compound	Negative	MPG
9	2 nd floor – hall – on east window – glazing compound	Negative	MPG
10	Exterior – on 1 st and 2 nd floor windows – white caulk	Negative	MCLK _w
11a	1 st floor – living room – west wall – joint compound	Negative	MDW
11b	1 st floor – living room – west wall – drywall	Negative	MDW
12	1 st floor – living room – south wall – drywall	Negative	MDW
13a	1 st floor – living room – north wall – joint compound	Negative	MDW
13b	1 st floor – living room – north wall – drywall	Negative	MDW
14	1st floor – living room – on north wall duct – duct paper	Positive 60% Chrysotile	TDW
15	1st floor – bathroom – on west wall duct – duct paper	Positive 60% Chrysotile	TDW
16	Basement – on duct near chimney – duct paper	Positive 60% Chrysotile	TDW
17a	1 st floor – living room closet – south wall – plaster skim coat	Negative	SPI
17b	1 st floor – living room closet – south wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI
17b	POINT COUNT RESULT	Trace 0.5% Actinolite/Tremolite	SPI
18a	1 st floor – hall – north wall – plaster skim coat	Negative	SPI
18b	1 st floor – hall – north wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI

Sample #	Location and Description	Results	Homogeneous Code
18b	POINT COUNT RESULT	Trace <0.25% Actinolite/Tremolite	SPI
19a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	SPI
19b	1 st floor – west bedroom – west wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI
19b	POINT COUNT RESULT	Trace 0.25% Actinolite/Tremolite	SPI
19c	1 st floor – west bedroom – west wall – fiberboard	Negative	SPI
20a	1 st floor – east bedroom – south wall – joint compound layer	Negative	SPI
20b	1 st floor – east bedroom – south wall – plaster skim coat	Negative	SPI
20c	1 st floor – east bedroom – south wall – plaster base coat	Negative	SPI
21a	Basement – stair – west wall – plaster skim coat	Negative	SPI
21b	Basement – stair – west wall – plaster base coat	Positive 2% Actinolite/Tremolite	SPI
21b	POINT COUNT RESULT	Trace <0.25% Actinolite/Tremolite	SPI
22a	1 st floor – living room – on east wall – mortar	Negative	MFS
22b	1 st floor – living room – on east wall – false stone	Negative	MFS
23	1 st floor – west bedroom closet – under carpet – yellow mastic	Negative	MCM
23A	2 nd floor – bedroom – under carpet – yellow mastic	Negative	MCM
23B	2 nd floor – hall – under carpet – yellow mastic	Negative	MCM
24a	1 st floor – bathroom floor – cream ceramic tile	Negative	MCTMc
24b	1 st floor – bathroom floor – grout	Negative	MCTMc
25a	1 st floor – bathroom wallbase – black ceramic tile	Negative	MCTMk
25b	1 st floor – bathroom wallbase – grout	Negative	MCTMk
26a	1 st floor – bathroom – on wall under tub surround – gold mastic	Negative	MWMd
26b	1 st floor – bathroom – on wall under tub surround – joint compound	Negative	MWMd
27	1 st floor – bathroom – at tub – cream caulk	Negative	MCLKc
28	1 st floor – east bedroom – on floor – brown mastic	Negative	MFMn
29a	1 st floor – kitchen – 4 th layer west side – tan linoleum	Negative	MFLt
29b	1 st floor – kitchen – 4 th layer west side – under tan linoleum – brown mastic	Negative	MFLt
29c	1 st floor – kitchen – 5 th layer west side – paper insulation	Negative	MPI
29d	1 st floor – kitchen – 5 th layer west side – under paper insulation – brown mastic	Negative	MPI
30	1 st floor – kitchen – 4 th layer east side – tan linoleum	Negative	MFLt
31	1 st floor – kitchen – 4 th layer north side – tan linoleum	Negative	MFLt
32	1 st floor – kitchen – on west wall under wood panel – tan mastic	Negative	MWMt
33a	1 st floor – kitchen – on east wall – false brick	Negative	MFBR
33b	1 st floor – kitchen – on east wall – under false brick - yellow mastic	Negative	MFBR
33c	1 st floor – kitchen – on east wall – grout	Negative	MFBR
34a	2 nd floor – stair – north wall – texture	Negative	STX
34b	2 nd floor – stair – north wall – texture layer 2	Negative	STX
34c	2 nd floor – stair – north wall – fiberboard #2	Negative	MFB2
35a	2 nd floor – hall – south wall – texture	Negative	STX
35b	2 nd floor – hall – south wall – texture layer 2	Negative	STX
35c	2 nd floor – hall – south wall – fiberboard #2	Negative	MFB2

Sample #	Location and Description	Results	Homogeneous Code
36a	2 nd floor – hall – north wall – texture	Negative	STX
36b	2 nd floor – hall – north wall – texture layer 2	Negative	STX
36c	2 nd floor – hall – north wall – fiberboard #2	Negative	MFB2
37	2 nd floor – hall – on ceiling – joint compound patch	Negative	MJC
38	2 nd floor – bedroom – on south wall – joint compound patch	Negative	MJC
39	2 nd floor – bedroom – on ceiling – joint compound patch	Negative	MJC
40	Basement – on chimney – flue packing	Negative	TFP
41	Basement – on furnace exterior – gray insulation	Negative	TFE

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

Material	Homogeneous Code	Location	Approximate Quantity
Duct Paper	TDW	Ducts in 1 st Floor Walls, Basement Near Chimney	44 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling & Garage	Asphalt Shingles & Flashing	1,600 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFB	Fiberboard
MFB2	Fiberboard #2
MCLKy	Gray Caulk
MCLKw	White Caulk
MCLKc	Cream Caulk
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MFS	False Stone
MCM	Carpet Mastic
MCTMc	Cream Ceramic Tile
MCTMk	Black Ceramic Tile
MWMt	Tan Wall Mastic
MWMd	Gold Wall Mastic
MFMn	Brown Floor Mastic
MFLt	Tan Linoleum
MPI	Paper Insulation
MFBR	False Brick
MJC	Joint Compound
TFP	Gray Flue Packing
TFE	Exterior Furnace Insulation
TDW	Duct Paper

Note#1: The duct paper is a friable material and must be abated by a Wisconsin certified asbestos company prior to demolition.

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators, Freezers, Chillers – Kitchen, Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>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>9</u> | Fluorescent Lights – Garage, Bathroom, Kitchen, 2 nd Floor
Bedroom |
| <u>N/A</u> | High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor |
| <u>N/A</u> | Neon |
| <u>N/A</u> | Switches for lighting using mercury relays
-Look for any control associated with exterior or automated
lighting systems such as "Silent" wall switches. |

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 3 Water Heaters in Basement

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

ELECTRICAL SYSTEMS

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

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building 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>1</u>	Ballasts – Garage
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>4</u>	Junk Auto Tires – Back Yard
<u>N/A</u>	Junk Vehicles

- * 1 Gas Meter on Exterior
- * 1 Quart Motor Oil in Garage
- * 1 Boat With Outboard Motor Behind Garage
- * 1 RV Camper Back yard With 2 Propane Tanks
- * 1 Water Meter & 5 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
005	5	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
006	6	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
009	9	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
011	11	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
016	16	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
017a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
018a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
019a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite
019b		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
020	20	Layered	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
020a		Layered	White Skim Coat	Asbestos Not Present	Synthetic	2 Gypsum Sand Paint
020b		Layered	Tan Plaster	Asbestos Not Present	NA	Gypsum Vermiculite
021	21	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
021a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite	2	NA Gypsum Vermiculite
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Plaster	Asbestos Not Present	Synthetic	3 Sand CaCO3
023	23	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	23A	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3
025	23B	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3
026	24	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
026a		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
027	25	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	26	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
028a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
029	27	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
030	28	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
031	29	Layered	Tan Linoleum	Asbestos Not Present	Synthetic 40	Vinyl Tar
031a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
031b		Layered	Brown Paper	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 DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
032	30	Homogeneous	Tan Linoleum	Asbestos Not Present	Synthetic	40 Vinyl Tar
033	31	Homogeneous	Tan Linoleum	Asbestos Not Present	Synthetic	40 Vinyl Tar
034	32	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
035	33	Layered	Tan Surfacing	Asbestos Not Present	Cellulose Synthetic	10 20 Mica Binder
035a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harendra Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035b		Layered	Red Surfacing	Asbestos Not Present	NA	Vinyl Mica Perlite
036	34	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
036a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
036b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
037	35	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
037a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
037b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	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. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	36	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
038a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
038b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
039	37	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint
039a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
040	38	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum 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. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
041	39	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint
041a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
042	40	Homogeneous	Gray Stucco	Asbestos Not Present	Cellulose 3	Sand Gypsum
043	41	Homogeneous	Gray Surfacing	Asbestos Not Present	Wollastonite 40	Gypsum Binder

Carter Cox

Carter W. Cox, Analyst

8/2/2016

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. <u>267349</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.4448	
SAMPLED BY: Name:	Date:	P.O. Number:	

Report Results (<input checked="" type="checkbox"/> one box)	
<input checked="" type="checkbox"/> Quantem Website	
<input type="checkbox"/> Other <u>email</u>	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<i>7/27/16 1700</i>	<i>FedEx</i>	<i>PA</i>	<i>7/28/16 10:10</i>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only	
Lab No. <u>2107349</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

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



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For Lab Use Only	
Lab No. <u>217349</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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	29	<input checked="" type="checkbox"/>				
32	30	<input type="checkbox"/>				
33	31	<input type="checkbox"/>				
34	32	<input type="checkbox"/>				
35	33	<input type="checkbox"/>				
36	34	<input type="checkbox"/>				
37	35	<input type="checkbox"/>				
38	36	<input type="checkbox"/>				
39	37	<input type="checkbox"/>				
40	38	<input type="checkbox"/>				
41	39	<input type="checkbox"/>				
42	40	<input type="checkbox"/>				
43	41	<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"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267674	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/04/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 08/05/2016	Project: DNS-PTCT for 267349
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	17	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite 0.50 400 Point Count	NA	
002	18	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite <0.25 400 Point Count	NA	
003	19	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite 0.25 400 Point Count	NA	
004	21	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite <0.25 400 Point Count	NA	

Carter Cox

Carter W. Cox, Analyst

8/5/2016

Date of Report

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267349</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.4448	
SAMPLED BY: Name:	Date:	P.O. Number:	

Report Results (<input checked="" type="checkbox"/> one box)	
<input checked="" type="checkbox"/> Quantem Website	
<input type="checkbox"/> Other <u>email</u>	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	8/3/16 1645	Email	<i>Rupp</i>	8/4/16 800

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	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)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	17	<input checked="" type="checkbox"/>		tan plaster		Quantem Lab #: 267349
2	18	<input checked="" type="checkbox"/>		tan plaster		
3	19	<input checked="" type="checkbox"/>		tan plaster		
4	21	<input checked="" type="checkbox"/>		tan plaster		
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

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

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

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

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

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

Renewing Your Certification

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

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

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

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

Certified Company Affiliation

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

To Update Information and Apply Online

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

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

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

COPY

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

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

		160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963	Male

Training due by: 12/01/2016