



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1547-49 North 33rd 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.: 16-400-014.1547-49
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 1547-49 North 33rd Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, tar paper, caulk, ceramic tile, window glazing compound, drywall/joint compound, joint compound patch, blown in insulation, duct paper, flue packing, linoleum, fuse holder, floor tile, asphalt roofing, 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 21, 2016, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1547-49 North 33rd 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 building.
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, transite siding, tar paper, caulk, ceramic tile, window glazing compound, drywall/joint compound, joint compound patch, blown in insulation, duct paper, flue packing, linoleum, fuse holder, floor tile, asphalt roofing, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – east wall – gray transite	Positive 15 % Chrysotile	MTP
2	Exterior – south wall – gray transite	Positive 15 % Chrysotile	MTP
3	Exterior – west wall – gray transite	Positive 15 % Chrysotile	MTP
4	Exterior – east wall – under transite – black tar paper	Negative	MPT
5	Exterior – south wall – under transite – black tar paper	Negative	MPT
6	Exterior – west wall – under transite – black tar paper	Negative	MPT
7	Exterior – around east window – clear caulk	Negative	MCLKc
8a	1 st floor – front entry – on north wall – brown mastic	Negative	SP1
8b	1 st floor – front entry – north wall – under brown mastic – plaster skim coat	Negative	SP1
8c	1 st floor – front entry – north wall – plaster base coat	Negative	SP1
9a	1 st floor – east bedroom – west wall – plaster skim coat	Negative	SP1
9b	1 st floor – east bedroom – west wall – plaster base coat	Negative	SP1
10a	1 st floor – kitchen – north wall – plaster skim coat	Negative	SP1
10b	1 st floor – kitchen – north wall – plaster base coat	Negative	SP1
11a	1 st floor – rear stair – east wall – plaster skim coat	Negative	SP1
11b	1 st floor – rear stair – east wall – plaster base coat	Negative	SP1
12a	2 nd floor – dining room – north wall – plaster skim coat	Negative	SP1
12b	2 nd floor – dining room – north wall – plaster base coat	Negative	SP1
13a	2 nd floor – east bedroom – west wall – plaster skim coat	Negative	SP1
13b	2 nd floor – east bedroom – west wall – plaster base coat	Negative	SP1
14a	2 nd floor – front stairs – north wall – plaster skim coat	Negative	SP1
14b	2 nd floor – front stairs – north wall – plaster base coat	Negative	SP1
15a	1 st floor – east bedroom – at fire place – red ceramic tile	Negative	MCTMr
15b	1 st floor – east bedroom – at fire place – gray grout	Negative	MCTMr
15c	1 st floor – east bedroom – at fire place – under red ceramic tile – gray mortar	Negative	MCTMr
16	1 st floor – east bedroom – on east window – window glazing compound	Negative	MPG
17	2 nd floor – dining room – on south window – white caulk	Negative	MCLKw

Sample #	Location and Description	Results	Homogeneous Code
18a	2 nd floor – east bed room – tan and orange ceramic tile	Negative	MCTMto
18b	2 nd floor – east bed room – at fire place – gray grout	Negative	MCTMto
18c	2 nd floor – east bed room – at fire place – tan and orange ceramic tile – gray mortar	Negative	MCTMto
19a	1 st floor – bathroom floor – white and blue ceramic tile	Negative	MCTMwb
19b	2 nd floor – bathroom floor – gray grout	Negative	MCTMwb
19c	2 nd floor – bathroom floor – under white and blue ceramic tile – gray mortar	Negative	MCTMwb
20a	1 st floor – bath room –south wall – joint compound	Negative	MDW
20b	1 st floor – bath room –south wall – drywall	Negative	MDW
21a	2 nd floor – kitchen – north wall – joint compound	Negative	MDW
21b	2 nd floor – kitchen – north wall – drywall	Negative	MDW
22a	2 nd floor – west bed room – west wall – joint compound	Negative	MDW
22b	2 nd floor – west bed room – west wall – drywall	Negative	MDW
23a	1 st floor – bathroom – on wall at tub – beige ceramic tile	Negative	MCTMe
23b	1 st floor – bathroom – on wall at tub – on beige ceramic tile – yellow caulk	Negative	MCTMe
23c	1 st floor – bathroom – on wall at tub – under beige ceramic tile – yellow mastic	Negative	MCTMe
23d	1 st floor – bathroom – on wall at tub – under yellow mastic – joint compound	Negative	MCTMe
24a	2 nd floor – bathroom – east wall – joint compound patch	Negative	MJC
24b	2 nd floor – bathroom – east wall – joint compound patch layer 2	Negative	MJC
25a	2 nd floor – bathroom –brown linoleum	Negative	MFLn
25b	2 nd floor – bathroom – under brown linoleum – yellow mastic	Negative	MFLn
26	2 nd floor – bathroom – under tub surround – yellow wall mastic	Negative	MWMI
27	2 nd floor – bathroom – in north wall – blown in insulation	Negative	MBI
28	2 nd floor – dining room – in ceiling – blown in insulation	Negative	MBI
29	Attic – stair well – under stairs – blown in insulation	Negative	MBI
30	Attic – east room – south wall – drywall #2	Negative	MDW2
31	Attic – east room – north wall – drywall #2	Negative	MDW2
32	Attic – east room – west wall – drywall #2	Negative	MDW2
33a	1 st floor – kitchen – ceiling – plaster skim coat #2	Negative	SP12
33b	1 st floor – kitchen – ceiling – plaster base coat #2	Negative	SP12
34a	1 st floor – dining room – ceiling west side – plaster skim coat #2	Negative	SP12
34b	1 st floor – kitchen – ceiling west side – plaster base coat #2	Trace <1% Actinolite/ Tremolite	SP12
34b	POINT COUNT RESULT	Trace <25% Actinolite/ Tremolite	SP12
35a	1 st floor – dining room – ceiling east side – plaster skim coat #2	Negative	SP12
35b	1 st floor – dining room – ceiling east side – plaster base coat #2	Trace <1% Actinolite/ Tremolite	SP12

Sample #	Location and Description	Results	Homogeneous Code
35b	POINT COUNT RESULT	Trace 0.25% Actinolite/ Tremolite	SP12
36	Basement – north west side – fuse holder	Negative	MFH
37	Basement – on west chimney – gray flue packing	Positive 20% Chrysotile	TFPy
38	Basement – on east chimney – north side – dark gray flue packing	Positive 15% Chrysotile	TFPydark
39	Basement – on east chimney – south side – light gray flue packing	Positive 20% Chrysotile	TFPyLight
40	Basement – on ceiling south of chimney – duct paper	Positive 65% Chrysotile	TDW

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Gray Flue Packing	TFPy	Basement On West Chimney	3 Sq. Ft.
Dark Gray Flue Packing	TFPydark	Basement On East Chimney North Side	2 Sq. Ft.
Light Gray Flue Packing	TFPyLight	Basement On East Chimney South Side	2 Sq. Ft.
Duct Paper	TDW	Basement – On Ceiling South of Chimney & on Returns	5 Sq. Ft.
Transite Siding	MTP	Exterior Walls	3,200 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 st	Kitchen/Pantry/Stair	Floor Tile & Mastic	460 Sq. Ft.
2 nd	Kitchen/Stair	Floor Tile & Mastic	420 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP1-2	Plaster #2
MTP	Transite
MPT	Tar Paper
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MDW2	Drywall # 2
MJC	Joint Compound Patch
MBI	Blown in Insulation
MWMI	Yellow Wall Mastic
MFH	Fuse Holder
MFLn	Brown Linoleum
MCLKc	Clear Caulk
MCLKw	White Caulk
MCTMr	Red Ceramic Tile
MCTMto	Tan & Orange Ceramic Tile
MCTMwb	White & Blue Ceramic Tile
MCTMe	Beige Ceramic Tile
TDW	Duct Paper

Homogeneous Material Codes

TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TFPylight	Light Gray Flue Packing

Note#1: The flue packings and duct paper are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The transite siding is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the transite is recommended.

Asphalt roofing and floor tile/mastic 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 (Gray transite panel) 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>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>3</u>	Fluorescent Lights – 1 st Floor Kitchen, Front Stair
<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>2</u>	Old Thermostats – 1 st & 2 nd Floor Dining Rooms
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters on Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone

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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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Layered	Brown Mastic	Asbestos Not Present	Cellulose 20	Glue
008a		Layered	White Skim Coat	Asbestos Not Present	Talc 8	Gypsum
008b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	Cellulose 20 Talc 8	Gypsum Paint
009a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Skim Coat	Asbestos Not Present	Talc 8	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present	Talc 8	CaCO3
011a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15	Layered	Red Brick	Asbestos Not Present	NA	Clay
015a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
015b		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
016	16	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
018	18	Layered	Red Brick	Asbestos Not Present	NA	Clay
018a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
018b		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
019	19	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite

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020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
022a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
023	23	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Yellow Caulk	Asbestos Not Present	NA	Silicone
023b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
023c		Layered	White Texture	Asbestos Not Present	Cellulose	5 CaCO3 Gypsum Perlite
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl
025a		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. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
027	27	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
028	28	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
029	29	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
030	30	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
031	31	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	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. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
033	33	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
033a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Gypsum
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum
034a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	Cellulose <1	Sand Gypsum Mica
035	35	Layered	Tan Skim Coat	Asbestos Not Present	NA	Gypsum
035a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Sand Gypsum

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36	Homogeneous	Black Ceramic Tile	Asbestos Not Present	NA	Clay
037	37	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20	Cellulose	2 Gypsum Sand
038	38	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 15	NA	Sand Gypsum
039	39	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20	NA	Sand Gypsum
040	40	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose	35

Cristal Veech

Cristal Veech, Analyst

7/28/2016

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>2109100</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: 16-400-014.1547-49	
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>7/20/16 1700</i>	<i>FedEx</i>	<i>[Signature]</i>	<i>7/21/16 10:00am</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>200910</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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	24	<input type="checkbox"/>				
25	25	<input type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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For Lab Use Only	
Lab No. <u>211910</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input checked="" 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"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267369	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/29/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/29/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49 400 PTCT for 266960

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	34	Homogeneous	Tan Plaster	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
002	35	Homogeneous	Tan Plaster	Asbestos Present Chrysotile 0.25 400 Point Count	NA	

Cristal Veech

Cristal Veech, Analyst

7/29/2016

Date of Report

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

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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