



ASBESTOS INSPECTION REPORT
Job Site:

Fire Damaged
Two Family Dwelling
3229 North 34th 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.: 16-400-014.3229
Contract No.: 360-16-0745

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 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 3229 North 34th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, paper insulation, drywall/joint compound, blown in insulation, window glazing compound, linoleum, fiberboard, ceramic tile, flue packing, duct paper, caulk, 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 two family dwelling and garage, scheduled for deconstruction, located at 3229 North 34th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

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. 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, paper insulation, drywall/joint compound, blown in insulation, window glazing compound, linoleum, fiberboard, ceramic tile, flue packing, duct paper, caulk, 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 – east wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
2	Exterior – south wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
3	Exterior – west wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
4	Exterior – east wall under transite siding – silver paper insulation	Negative	MPIs
5	Exterior – south wall under transite siding – silver paper insulation	Negative	MPIs
6	Exterior – west wall under transite siding – silver paper insulation	Negative	MPIs
7a	1 st floor – front entry – south wall – plaster skim coat	Negative	SP1
7b	1 st floor – front entry – south wall – plaster base coat	Negative	SP1
8a	1st floor – southeast bedroom closet – north wall - plaster skim coat	Negative	SP1
8b	1st floor – southeast bedroom closet – north wall - plaster base coat	Negative	SP1
9a	1 st floor – north bedroom – ceiling – joint compound layer	Negative	SP1
9b	1 st floor – north bedroom – ceiling – plaster	Negative	SP1
10a	2 nd floor – bathroom – ceiling – plaster skim coat	Negative	SP1
10b	2 nd floor – bathroom – ceiling – plaster base coat	Negative	SP1
11a	2 nd floor – pantry – east wall – joint compound layer	Negative	SP1
11b	2 nd floor – pantry – east wall – plaster skim coat	Negative	SP1
11c	2 nd floor – pantry – east wall – plaster base coat	Negative	SP1
12a	1 st floor – living room – north wall – joint compound	Negative	MDW
12b	1 st floor – living room – north wall – drywall	Negative	MDW
13a	1 st floor – north bedroom – south wall – joint compound	Negative	MDW
13b	1 st floor – north bedroom – south wall – drywall	Negative	MDW
14a	2 nd floor – bathroom – east wall – joint compound	Negative	MDW
14b	2 nd floor – bathroom – east wall – drywall	Negative	MDW
15	1 st floor – living room – in north wall – blown in insulation	Negative	MBI
16	2 nd floor – kitchen – on floor – blown in insulation	Negative	MBI
17	2 nd floor – living room – in south wall – blown in insulation	Negative	MBI

Sample #	Location and Description	Results	Homogeneous Code
18	1 st floor – living room – on duct in south wall – duct wrap	Positive 60% Chrysotile	TDW
19	1 st floor – north bedroom closet – on duct in west wall – duct wrap	Positive 60% Chrysotile	TDW
20	Basement – on west return – duct wrap	Positive 60% Chrysotile	TDW
21	1 st floor – living room – on east window – window glazing compound	Negative	MPG
22	2 nd floor – kitchen – on west window – window glazing compound	Negative	MPG
23	Basement – on east window – window glazing compound	Negative	MPG
24a	1 st floor – kitchen – under floor tile and plywood – tan and beige linoleum	Negative	MFLte
24b	1 st floor – kitchen – under tan and beige linoleum – yellow mastic	Negative	MFLte
25a	1 st floor – kitchen – on north wall – beige ceramic tile	Negative	MCTMe
25b	1 st floor – kitchen – on north wall – grout	Negative	MCTMe
25c	1 st floor – kitchen – on north wall – under beige ceramic tile – mortar	Negative	MCTMe
25d	1 st floor – kitchen – on north wall – under mortar – joint compound	Negative	MCTMe
26a	1 st floor – bathroom – under floor tile – cream ceramic tile	Negative	MCTMc
26b	1 st floor – bathroom – under floor tile – grout	Negative	MCTMc
26c	1 st floor – bathroom – under cream ceramic tile – mortar	Negative	MCTMc
27a	1 st floor – bathroom – on walls – white ceramic tile	Negative	MCTMw
27b	1 st floor – bathroom – on walls – grout	Negative	MCTMw
28	1 st floor – bathroom – on tub – white caulk	Negative	MCLKw
29a	1 st floor – rear stair – on landing under carpet – linoleum backing	Negative	MFLback
29b	1 st floor – rear stair – on landing under linoleum backing – white mastic	Negative	MFLback
29c	1 st floor – rear stair – on landing 3 rd layer – cream linoleum	Negative	MFLc
29d	1 st floor – rear stair – on landing 3 rd layer – under cream linoleum – yellow mastic	Negative	MFLc
30a	2 nd floor – kitchen floor – top layer – tan ceramic tile	Negative	MCTMt
30b	2 nd floor – kitchen floor – top layer – grout	Negative	MCTMt
30c	2 nd floor – kitchen floor – top layer – under tan ceramic tile – yellow mastic	Negative	MCTMt
31	2 nd floor – kitchen – under ceramic tile – fiberboard	Negative	MFB
32a	2 nd floor – kitchen closet – under floor tile – beige linoleum	Negative	MFLe
32b	2 nd floor – kitchen closet – under beige linoleum – yellow mastic	Negative	MFLe
33a	2 nd floor – kitchen – on north wall – beige ceramic tile #2	Negative	MCTMe2
33b	2 nd floor – kitchen – on north wall – caulk	Negative	MCTMe2
33c	2 nd floor – kitchen – on north wall – grout	Negative	MCTMe2
34a	2 nd floor – bathroom floor – cream ceramic tile #2	Negative	MCTMc2
34b	2 nd floor – bathroom floor – grout	Negative	MCTMc2
35a	2 nd floor – bath room – on walls – white ceramic tile #2	Negative	MCTMw2
35b	2 nd floor – bath room – on walls – grout	Negative	MCTMw2
35c	2 nd floor – bath room – on walls – under white ceramic tile #2 – mortar	Negative	MCTMw2
36a	2 nd floor – pantry – under floor tile – gray and tan linoleum	Negative	MFLyt

Sample #	Location and Description	Results	Homogeneous Code
36b	2 nd floor – pantry – under gray and tan linoleum – yellow mastic	Negative	MFLyt
37	2 nd floor – northwest bed room – under carpet – brown mastic	Negative	MCM
38	2 nd floor – northeast bed room – under carpet – brown mastic	Negative	MCM
39	2 nd floor – southeast bed room – under carpet – brown mastic	Negative	MCM
40a	Basement – south wall – plaster #2 skim coat	Negative	SP12
40b	Basement – south wall – plaster #2 base coat	Negative	SP12
41	Basement – north wall – plaster #2	Negative	SP12
42a	Basement – east wall – plaster #2 skim coat	Negative	SP12
42b	Basement – east wall – plaster #2 base coat	Negative	SP12
43	Basement – on chimney – flue packing	Positive 4% Chrysotile	TFP
44	Garage – on interior south wall – drywall #2	Negative	MDW2
45	Garage – on interior east wall – drywall #2	Negative	MDW2
46	Garage – on interior north wall – drywall #2	Negative	MDW2

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

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls Under Vinyl Siding	2,600 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.
Duct Paper	TDW	1 st Floor Living Room & North Bedroom Ducts; Basement on Northwest Duct in Ceiling, Boots & West Return	80 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling & Garage	Asphalt Shingles & Flashing	1,500 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	190 Sq. Ft.
2 nd	Kitchen/Pantry	Floor Tile & Mastic	60 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
MTP	Transite
MPIs	Silver Paper Insulation
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MBI	Blown in Insulation
MPG	Glazing Compound
MFLte	Tan & Beige Linoleum
MFLback	Linoleum Backing
MFLe	Beige Linoleum
MFLyt	Gray & Tan Linoleum
MCTMc	Cream Ceramic Tile
MCTMc2	Cream Ceramic Tile #2
MCTMw	White Ceramic Tile
MCTMw2	White Ceramic Tile #2
MCTMt	Tan Ceramic Tile

Homogeneous Material Codes

MCTMe	Beige Ceramic Tile
MCTMe2	Beige Ceramic Tile #2
MCLKw	White Caulk
MFB	Fiberboard
MCM	Carpet With Mastic
TFP	Flue Packing
TDW	Duct Paper

Note#1: The duct paper and flue packing 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 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 deconstruction 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>2</u>	Fluorescent Lights – 2 nd Floor Kitchen & Bathroom
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>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>2</u>	Junk Auto Tires – Garage
<u>N/A</u>	Junk Vehicles

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
005	5	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
006	6	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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

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



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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
008a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	2 Sand Gypsum
010	10	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
011b		Layered	Gray Plaster	Asbestos Not Present	Hair	4 Sand Gypsum
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	15 Gypsum
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
015	15	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
016	16	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
017	17	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
019	19	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
020	20	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
022	22	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
023	23	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
024	24	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20 Synthetic 5	Vinyl Binder

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
025	25	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
025a		Layered	White Grout	Asbestos Not Present	NA	Sand CaCO3
025b		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand Gypsum
025c		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
026	26	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	White Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
026b		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
027	27	Layered	White Ceramic Tile	Asbestos Not Present	Cellulose	5 Clay Gypsum
027a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Binder
028	28	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
029	29	Layered	Gray Backing	Asbestos Not Present	Cellulose Synthetic	80 20
029a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029b		Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
029c		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
030	30	Layered	Brown Ceramic Tile	Asbestos Not Present	Cellulose 3	Clay
030a		Layered	Black Grout	Asbestos Not Present	Cellulose 2	Sand Gypsum Binder
030b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
031	31	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 40 Synthetic 20	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
033	33	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
033a		Layered	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
033b		Layered	Gray Grout	Asbestos Not Present	Cellulose 2	Sand CaCO3
034	34	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
034a		Layered	Gray Grout	Asbestos Not Present	Cellulose 5	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	White Ceramic Tile	Asbestos Not Present	Cellulose 4	Clay Gypsum
035a		Layered	White Grout	Asbestos Not Present	Cellulose 2	Sand CaCO3
035b		Layered	Gray Grout	Asbestos Not Present	Cellulose 3	Sand Gypsum
036	36	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
036a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
037	37	Layered	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Homogeneous	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue Binder
039	39	Homogeneous	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue Binder
040	40	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Sand
040a		Layered	Gray Stucco	Asbestos Not Present	Cellulose 2	Sand Gypsum
041	41	Homogeneous	Tan Stucco	Asbestos Not Present	Cellulose 2	CaCO3 Sand
042	42	Layered	White Stucco	Asbestos Not Present	NA	Sand CaCO3
042a		Layered	Gray Stucco	Asbestos Not Present	Cellulose 2	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
043	43	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 4	Glass Fiber 50	Gypsum Perlite
044	44	Layered	Silver Coating	Asbestos Not Present	Cellulose 3	Binder Paint
044a		Layered	Tan Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
045	45	Layered	Silver Coating	Asbestos Not Present	Cellulose 3	Binder Paint
045a		Layered	Tan Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
046	46	Homogeneous	Tan Sheetrock	Asbestos Not Present	Cellulose 15	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. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
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Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Carter Cox

Carter W. Cox, Analyst

8/1/2016

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>207202</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: 16-400-014.3229	
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>	<u>7/26/16 1700</u>	<u>FedEx</u>	<i>[Signature]</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		<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	<u>1</u>	<input checked="" type="checkbox"/>				
2	<u>2</u>	<input type="checkbox"/>				
3	<u>3</u>	<input type="checkbox"/>				
4	<u>4</u>	<input type="checkbox"/>				
5	<u>5</u>	<input type="checkbox"/>				
6	<u>6</u>	<input type="checkbox"/>				
7	<u>7</u>	<input type="checkbox"/>				
8	<u>8</u>	<input type="checkbox"/>				
9	<u>9</u>	<input type="checkbox"/>				
10	<u>10</u>	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No.	20762
<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"/>				



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>210702</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	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input type="checkbox"/>				
41	41	<input type="checkbox"/>				
42	42	<input type="checkbox"/>				
43	43	<input type="checkbox"/>				
44	44	<input type="checkbox"/>				
45	45	<input checked="" type="checkbox"/>				
46	46	<input checked="" type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

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