



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3052 North 12th 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.: 15-400-004.3052
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2015

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....7

VI. Limitations8

VII. Pre-Demolition Environmental Checklist.....9

VIII. Laboratory Results13

IX. HMG Certifications14

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3052 North 12th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, asphalt shingle siding, caulk, paper insulation, blown in insulation, window glazing compound, linoleum, ceiling tile, drywall/joint compound, flue packing, duct paper, 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 survey and to analyze samples taken during the inspection.

On June 25, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3052 North 12th 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, asphalt shingle siding, caulk, paper insulation, blown in insulation, window glazing compound, linoleum, ceiling tile, drywall/joint compound, flue packing, duct paper, 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 – north wall under aluminum siding – fiberboard	Negative	MFB
4a	1 st floor – exterior – west wall under fiberboard – green asphalt shingle siding	Negative	MSSg
4b	1 st floor – exterior – west wall under asphalt shingle siding – fiberboard #2	Negative	MSSg
5a	1 st floor – exterior – north wall under fiberboard – green asphalt shingle siding	Negative	MSSg
5b	1 st floor – exterior – north wall under asphalt shingle siding – fiberboard #2	Negative	MSSg
6a	1 st floor – exterior – south wall under fiberboard – green asphalt shingle siding	Negative	MSSg
6b	1 st floor – exterior – south wall under asphalt shingle siding – fiberboard #2	Negative	MSSg
7	Exterior – around doors and windows – tan caulk	Negative	MCLKt
10	Exterior – under wood siding at doors and windows – paper insulation	Negative	MPI
11	Exterior – in south wall – blown in insulation	Negative	MBI
12	Attic – east side under floor – blown in insulation	Negative	MBI
13	Attic – west side under floor – blown in insulation	Negative	MBI
14	1 st floor – west bedroom – on window – glazing compound	Negative	MPG
15	2 nd floor – east bedroom – on window – glazing compound	Negative	MPG
16	Basement – on window – glazing compound	Negative	MPG
17	1 st floor – kitchen – on lower part of walls – fiberboard #2	Negative	MFB2
18a	1 st floor – bathroom – on walls – fiberboard #3	Negative	MFB3
18b	1st floor – bathroom – on wood studs under fiberboard #3 – black mastic	Positive 2% Chrysotile	MWMk
18b	POINT COUNT RESULT	Positive 2.75% Chrysotile	MWMk

Sample #	Location and Description	Results	Homogeneous Code
19	2 nd floor – kitchen – on walls – fiberboard #3	Negative	MFB3
20	2 nd floor – bathroom – on walls – fiberboard #3	Negative	MFB3
21	2nd floor – pantry – 2nd layer, under floor tile – tan and brown linoleum	Positive 25% Chrysotile	MFLtn
22a	2 nd floor – pantry – 4 th layer, under floor tile – mastic	Negative	MFLn
22b	2 nd floor – pantry – 4 th layer, under mastic – brown linoleum	Negative	MFLn
22c	2 nd floor – pantry – 4 th layer, under brown linoleum – mastic	Negative	MFLn
23	2 nd floor – kitchen – 2' x 4' grooved ceiling tile	Negative	MSCT24G
24	2 nd floor – dining room – 2' x 4' grooved ceiling tile	Negative	MSCT24G
25	2 nd floor – west bedroom – 2' x 4' grooved ceiling tile	Negative	MSCT24G
26a	2 nd floor – southeast bedroom – south wall – plaster skim coat	Negative	SPI
26b	2 nd floor – southeast bedroom – south wall – plaster base coat	Negative	SPI
27a	2 nd floor – dining room – north wall – plaster skim coat	Negative	SPI
27b	2 nd floor – dining room – north wall – plaster base coat	Negative	SPI
28a	2 nd floor – west bedroom – west wall – plaster skim coat	Negative	SPI
28b	2 nd floor – west bedroom – west wall – plaster base coat	Negative	SPI
29a	Attic – stair – east wall – plaster skim coat	Negative	SPI
29b	Attic – stair – east wall – plaster base coat	Negative	SPI
30a	Basement – northeast room – south wall – plaster skim coat	Negative	SPI
30b	Basement – northeast room – south wall – plaster base coat	Negative	SPI
31a	1 st floor – pantry – east wall – plaster skim coat	Negative	SPI
31b	1 st floor – pantry – east wall – plaster base coat	Negative	SPI
32a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
32b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
33	2 nd floor – east bedroom – 2' x 4' pinholed and grooved ceiling tile	Negative	MSCT24PG
34	2 nd floor – east bedroom – on ceiling – texture	Negative	STX
35a	2 nd floor – exterior – north wall – red asphalt shingle siding	Negative	MSSr
35b	2 nd floor – exterior – north wall – under red asphalt shingle siding – fiberboard	Negative	MSSr
35c	2nd floor – exterior – north wall – on red asphalt shingle siding at window – gray caulk	Positive 4% Chrysotile	MCLKy
36a	2 nd floor – exterior – south wall – red asphalt shingle siding	Negative	MSSr
36b	2 nd floor – exterior – south wall – under red asphalt shingle siding – fiberboard	Negative	MSSr
36c	2nd floor – exterior – south wall – on red asphalt shingle siding at window – gray caulk	Positive 4% Chrysotile	MCLKy

Sample #	Location and Description	Results	Homogeneous Code
37a	2 nd floor – exterior – west wall – red asphalt shingle siding	Negative	MSSr
37b	2 nd floor – exterior – west wall – under red asphalt shingle siding – fiberboard	Negative	MSSr
37c	2nd floor – exterior – west wall – on red asphalt shingle siding at window – gray caulk	Positive 4% Chrysotile	MCLKy
38	2 nd floor – bathroom – under tub surround – tan mastic	Negative	MWMt
39	2 nd floor – bathroom – on tub – cream caulk	Negative	MCLKc
40	2 nd floor – living room – on ceiling – texture #2	Negative	STX2
41	2 nd floor – dining room – on ceiling west side – texture #2	Negative	STX2
42	2 nd floor – dining room – on ceiling east side – texture #2	Negative	STX2
43	2 nd floor – front stair – on landing under carpet – cream linoleum	Negative	MFLc
44a	1 st floor – front stair – on landing – beige and tan linoleum	Negative	MFLet
44b	1 st floor – front stair – on landing – under linoleum – mastic	Negative	MFLet
45	1 st floor – front stair – on north wall – texture #3	Negative	STX3
46	2 nd floor – front stair – on south wall – texture #3	Negative	STX3
47	2 nd floor – front stair – on east wall – texture #3	Negative	STX3
47	2 nd floor – front stair – on east wall – texture #3 layer 2	Negative	STX3
48a	Basement – on east/west sides of chimney – white flue packing top layer	Negative	TFPw
48b	Basement – on east/west sides of chimney – white flue packing 2 nd layer	Negative	TFPw
48c	Basement – on east/west sides of chimney – white flue packing bottom layer	Positive 70% Chrysotile	TFPw
49a	Basement – on south side of chimney – gray flue packing top layer	Negative	TFPy
49b	Basement – on south side of chimney – gray flue packing bottom layer	Negative	TFPy
50	Basement – west side on boot – duct paper	Positive 90% Chrysotile	TDW
51a	1 st floor – kitchen – west side 3 rd layer – mastic	Negative	MFLd
51b	1 st floor – kitchen – west side 3 rd layer – under mastic – gold linoleum	Negative	MFLd
51c	1 st floor – kitchen – west side 3 rd layer – under linoleum – tar paper	Negative	MFLd
52a	1 st floor – kitchen – east side 3 rd layer – mastic	Negative	MFLd
52b	1 st floor – kitchen – east side 3 rd layer – under mastic – gold linoleum	Negative	MFLd
52c	1 st floor – kitchen – east side 3 rd layer – under linoleum – tar paper	Negative	MFLd
53a	1 st floor – kitchen – north side 3 rd layer – mastic	Negative	MFLd
53b	1 st floor – kitchen – north side 3 rd layer – under mastic – gold linoleum	Negative	MFLd
53c	1 st floor – kitchen – north side 3 rd layer – under linoleum – tar paper	Negative	MFLd

Sample #	Location and Description	Results	Homogeneous Code
54a	1 st floor – kitchen – west side 6 th layer – paper insulation #2	Negative	MPI2
54b	1 st floor – kitchen – west side 6 th layer – under paper insulation #2 – mastic	Negative	MPI2
55	1 st floor – kitchen – east side 6 th layer – paper insulation #2	Negative	MPI2
56a	1 st floor – pantry – 5 th layer – paper insulation #2	Negative	MPI2
56b	1 st floor – pantry – 5 th layer – under paper insulation #2 – mastic	Negative	MPI2
57a	1 st floor – kitchen – ceiling – joint compound	Negative	MDW
57b	1 st floor – kitchen – ceiling – joint compound layer 2	Negative	MDW
57c	1 st floor – kitchen – ceiling – drywall	Negative	MDW
58a	1 st floor – kitchen – ceiling – joint compound	Negative	MDW
58b	1 st floor – kitchen – ceiling – drywall	Negative	MDW
59a	1 st floor – bathroom – ceiling – joint compound	Negative	MDW
59b	1 st floor – bathroom – ceiling – drywall	Negative	MDW

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

Material	Homogeneous Code	Location	Approximate Quantity
Black Wall Mastic	MWMk	1 st Floor Bathroom Walls Under Fiberboard on Wood Studs	100 Sq. Ft.
Tan & Brown Linoleum	MFLtn	2 nd Floor Pantry 2 nd Layer, Under Floor Tile	20 Sq. Ft.
Gray Caulk	MCLKy	Exterior on Asphalt Siding at Windows & Doors	30 Windows, 2 Doors
White Flue Packing	TFPw	Basement on East & West Sides of Chimney	3 Sq. Ft.
Duct Paper	TDW	Basement on West Boot	3 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 st	Front Entry/Dining Room/Living Room/Kitchen/Bathroom/Pantry	Floor Tile & Mastic	1,170 Sq. Ft.
2 nd	Stair/Kitchen/Pantry/Bathroom/Bedroom	Floor Tile & Mastic	500 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
MFB	Fiberboard
MFB2	Fiberboard #2
MFB3	Fiberboard #3
MSSg	Green Asphalt Shingle Siding
MSSr	Red Asphalt Shingle Siding

Homogeneous Material Codes

MCLKt	Tan Caulk
MCLKy	Gray Caulk
MCLKc	Cream Caulk
MPI	Paper Insulation
MPI2	Paper Insulation #2
MBI	Blown in Insulation
MPG	Glazing Compound
MFLtn	Tan & Brown Linoleum
MFLn	Brown Linoleum
MFLc	Cream Linoleum
MFLet	Beige & Tan Linoleum
MFLd	Gold Linoleum
MWMk	Black Wall Mastic
MWMt	Tan Wall Mastic
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT2P4G	2' x 4' Pinholed & Grooved Ceiling Tile
MDW	Drywall/Joint Compound
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper

Note#1: The wall mastic, caulk, linoleum, flue packing, and duct paper are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. 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 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>9</u>	Fluorescent Lights – 1 st Floor Dining Room, 2 nd Floor Living Room & Kitchen
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 2 nd Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces in Basement

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>2</u>	Light Ballasts – 2 nd Floor Living Room & Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>2</u>	Oil Tanks – Basement
<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. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

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	Layered	Green Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
004a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
005	5	Layered	Green Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
005a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

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

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



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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	Green Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
006a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
008	10	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
009	11	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
010	12	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	13	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
012	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
014	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	17	Homogeneous	Beige Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
016	18	Layered	Beige Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
016a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	CaCO3 Binder

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	19	Homogeneous	Beige Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
018	20	Homogeneous	Beige Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
019	21	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl Binder
020	22	Layered	Brown Mastic	Asbestos Not Present	NA	Glue
020a		Layered	Brown Linoleum	Asbestos Not Present	Cellulose 40	Tar Vinyl
020b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	23	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
022	24	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
023	25	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
024	26	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3
025	27	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	28	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
026a		Layered	Gray Plaster	Asbestos Not Present	Hair	4 Sand CaCO3
027	29	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
028	30	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Sand CaCO3

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. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	31	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	2 Sand CaCO3
030	32	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
031	33	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 Perlite 30 Paint
032	34	Homogeneous	White Texture	Asbestos Not Present	NA	Gypsum Paint
033	35	Layered	Brown Siding	Asbestos Not Present	Cellulose	20 Tar Quartz

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. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
033b		Layered	Gray Caulk	Asbestos Present Chrysotile 4	NA	CaCO3 Binder
034	36	Layered	Brown Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
034a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
034b		Layered	Gray Caulk	Asbestos Present Chrysotile 4	NA	CaCO3 Binder
035	37	Layered	Brown Siding	Asbestos Not Present	Cellulose 20	Tar Quartz

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. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
035b		Layered	Gray Caulk	Asbestos Present Chrysotile 4	NA	CaCO3 Binder
036	38	Homogeneous	Yellow Caulk	Asbestos Not Present	NA	CaCO3 Binder
037	39	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone
038	40	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
039	41	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
040	42	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint

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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. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	43	Homogeneous	Beige Linoleum	Asbestos Not Present	Cellulose 40	Tar Vinyl CaCO3
042	44	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Binder
042a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
043	45	Homogeneous	White Ceiling Texture	Asbestos Not Present	Wollastonite 5	CaCO3 Paint
044	46	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
045	47	Layered	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
045a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
046	48	Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
046a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
046b		Layered	Gray Insulation	Asbestos Present Chrysotile 70	NA	CaCO3 Binder
047	49	Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
047a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
048	50	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 90	NA	Binder

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049	51	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
049a		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
049b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
050	52	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
050a		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
050b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
051	53	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
051a		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
051b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
052	54	Layered	Brown Backing	Asbestos Not Present	Cellulose 70	Tar
052a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
053	55	Homogeneous	Black Backing	Asbestos Not Present	Cellulose 60	Tar
054	56	Layered	Blue Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
054a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
055	57	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
055a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
055b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
056	58	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
056a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251584	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
057	59	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
057a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

Carter Cox

Carter W. Cox, Analyst

7/2/2015

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLER BY: Name: _____		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004.3052 P.O. Number: _____	
Phone: (414) 383-4800	Cell Phone: _____	E-mail: djacobsen@harenda.com	Date: _____

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 6/25/15 1700	VIA FedEx	RECEIVED BY <i>Judy Rowan</i>	DATE & TIME 6/26/15 9:45
-----------------------------------------	------------------------------------	---------------------	----------------------------------	------------------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	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"/> Bulk- Presence / Absence	<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"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Other	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400				<input checked="" type="checkbox"/> 5 - Day

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>251584</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group					
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	13				
12	14				
13	15				
14	16				
15	17				
16	18				
17	19				
18	20				
19	21				
20	22				
21	23				
22	24				
23	25				
24	26				
25	27				
26	28				
27	29				
28	30				
29	31				
30	32				



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For Lab Use Only

Lab No. 251584

Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group		Color			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
31	33	<input checked="" type="checkbox"/>			
32	34	<input type="checkbox"/>			
33	35	<input type="checkbox"/>			
34	36	<input type="checkbox"/>			
35	37	<input type="checkbox"/>			
36	38	<input type="checkbox"/>			
37	39	<input type="checkbox"/>			
38	40	<input type="checkbox"/>			
39	41	<input type="checkbox"/>			
40	42	<input type="checkbox"/>			
41	43	<input type="checkbox"/>			
42	44	<input type="checkbox"/>			
43	45	<input type="checkbox"/>			
44	46	<input type="checkbox"/>			
45	47	<input type="checkbox"/>			
46	48	<input type="checkbox"/>			
47	49	<input type="checkbox"/>			
48	50	<input type="checkbox"/>			
49	51	<input type="checkbox"/>			
50	52	<input checked="" type="checkbox"/>			



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 251584
Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	53				
52	54				
53	55				
54	56				
55	57				
56	58				
57	59				
8					
9					
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
0					



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251875	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 07/07/2015	Project: PTCT for 251584, DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.3052

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18	Homogeneous	Black Mastic	Asbestos Present Chrysotile 2.75 400 Point Count	NA	

Carter Cox

Carter W. Cox, Analyst

7/7/2015

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 251875
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.3052	
SAMPLED BY: _____	Name: _____	PO. Number: _____	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 7/2/15 16:28	VIA Email	RECEIVED BY <i>Stafford</i>	DATE & TIME 7/6/15 10:00
-----------------------------------------	-----------------------------	--------------	--------------------------------	-----------------------------

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	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	18	<input checked="" type="checkbox"/>	mastic		Quantem Lab # 251584
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

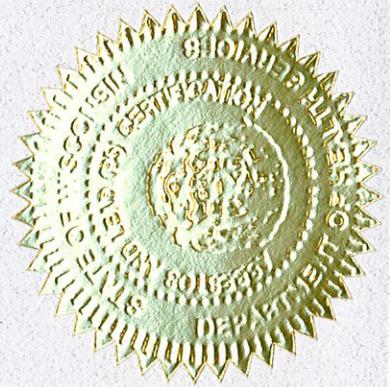
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2923 North 13th 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.: 15-400-004.2923

Contract No.: 360-15-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2015

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....6

VI. Limitations6

VII. Pre-Demolition Environmental Checklist.....8

VIII. Laboratory Results12

IX. HMG Certifications13

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2923 North 13th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, linoleum, tar paper, sink undercoat, ceramic tile, drywall/joint compound, window glazing compound, duct paper, flue packing, fiberboard, 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 survey and to analyze samples taken during the inspection.

On July 2, 2015, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2923 North 13th 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1a	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	MSS
1b	Exterior – east wall under asphalt shingle siding – fiberboard	Negative	MSS
2a	Exterior – south wall under vinyl siding – asphalt shingle siding	Negative	MSS
2b	Exterior – south wall under asphalt shingle siding – fiberboard	Negative	MSS
3a	Exterior – west wall under vinyl siding – asphalt shingle siding	Negative	MSS
3b	Exterior – west wall under asphalt shingle siding – fiberboard	Negative	MSS
4	1 st floor – front entry – linoleum backing	Negative	MFLback
5a	1 st floor – front entry – south wall – joint compound layer	Negative	SPI
5b	1 st floor – front entry – south wall – plaster skim coat	Negative	SPI
5c	1 st floor – front entry – south wall – plaster base coat	Negative	SPI
6a	1 st floor – pantry – north wall – plaster skim coat	Negative	SPI
6b	1 st floor – pantry – north wall – plaster base coat	Negative	SPI
7a	1 st floor – stair – west wall – plaster skim coat	Negative	SPI
7b	1 st floor – stair – west wall – plaster base coat	Negative	SPI
8a	1 st floor – bedroom – south wall – plaster skim coat	Negative	SPI
8b	1 st floor – bedroom – south wall – plaster base coat	Negative	SPI
9a	Basement – southwest area – ceiling – plaster skim coat	Negative	SPI
9b	Basement – southwest area – ceiling – plaster base coat	Negative	SPI
10a	1st floor – kitchen – east side under floor tile – beige linoleum	Positive 30% Chrysotile	MFLe
10b	1 st floor – kitchen – east side under linoleum – fiberboard	Negative	MFB
11a	1st floor – kitchen – west side under floor tile – beige linoleum	Positive 30% Chrysotile	MFLe
11b	1 st floor – pantry – west side under linoleum – fiberboard	Negative	MFB

Sample #	Location and Description	Results	Homogeneous Code
12a	1 st floor – pantry – under floor tile – beige linoleum	Positive 30% Chrysotile	MFLe
12b	1 st floor – pantry – under linoleum – fiberboard	Negative	MFB
13a	1 st floor – kitchen – east side under fiberboard – tar paper	Negative	MPT
13b	1 st floor – kitchen – east side under tar paper – mastic	Negative	MPT
14a	1 st floor – kitchen – west side under fiberboard – tar paper	Negative	MPT
14b	1 st floor – kitchen – west side under tar paper – mastic	Negative	MPT
15	1 st floor – pantry – under fiberboard – tar paper	Negative	MPT
16	1 st floor – kitchen – on sink – black undercoat	Negative	MSU
17a	1 st floor – bathroom – under floor tile – tan ceramic tile	Negative	MCTMt
17b	1 st floor – bathroom – under floor tile – grout	Negative	MCTMt
17c	1 st floor – bathroom – under ceramic tile – mastic	Negative	MCTMt
17d	1 st floor – bathroom – under mastic – leveling compound	Negative	MCTMt
18	1 st floor – bedroom – under carpet – yellow mastic	Negative	MCM
19a	2 nd floor – west bedroom – east wall – joint compound	Negative	MDW
19b	2 nd floor – west bedroom – east wall – drywall	Negative	MDW
20a	2 nd floor – north bedroom – ceiling – joint compound	Negative	MDW
20b	2 nd floor – north bedroom – ceiling – drywall	Negative	MDW
21a	2 nd floor – east bedroom – north wall – joint compound	Negative	MDW
21b	2 nd floor – east bedroom – north wall – drywall	Negative	MDW
22	2 nd floor – hall – under carpet – cream and blue linoleum	Negative	MFLcb
23a	2 nd floor – east bedroom – east wall – plaster #2 skim coat	Negative	SPI2
23b	2 nd floor – east bedroom – east wall – plaster #2 base coat	Negative	SPI2
23c	2 nd floor – east bedroom – east wall – drywall	Negative	SPI2
24a	2 nd floor – east bedroom – south wall – plaster #2 skim coat	Negative	SPI2
24b	2 nd floor – east bedroom – south wall – plaster #2 base coat	Negative	SPI2
24c	2 nd floor – east bedroom – south wall – drywall	Negative	SPI2
25a	2 nd floor – east bedroom – west wall – plaster #2 skim coat	Negative	SPI2
25b	2 nd floor – east bedroom – west wall – plaster #2 base coat	Negative	SPI2
25c	2 nd floor – east bedroom – west wall – drywall	Negative	SPI2
26a	1 st floor – stair landing – 12” floor tile	Negative	MF12
26b	1 st floor – stair landing – under floor tile – gray linoleum	Negative	MFLy
26c	1 st floor – stair landing – under linoleum – mastic	Negative	MFLy
27a	1 st floor – stair – on lower 4 steps – black linoleum	Negative	MFLk
27b	1 st floor – stair – on lower 4 steps – under linoleum – mastic	Negative	MFLk

Sample #	Location and Description	Results	Homogeneous Code
28a	Basement – stair – east landing – beige and tan linoleum	Negative	MFLet
28b	Basement – stair – east landing – under linoleum – mastic	Negative	MFLet
29a	Basement – stair – west landing – tar paper #2	Negative	MPT2
29b	Basement – stair – west landing – under tar paper #2 – mastic	Negative	MPT2
30	Basement – on window – glazing compound	Negative	MPG
31	Basement – on 3 boots – duct paper	Positive 90% Chrysotile	TDW
32	Basement – on west side of chimney – gray flue packing	Negative	TFPy
33	Basement – on north side of chimney – white flue packing	Positive 2% Chrysotile	TFPw
33	POINT COUNT RESULT	Negative	TFPw
34	1 st floor – bathroom – on walls – fiberboard #2	Negative	MFB2
35a	1 st floor – bathroom – walls – joint compound #2	Negative	MDW2
35b	1 st floor – bathroom – walls – drywall #2	Negative	MDW2
36	1 st floor – bathroom – under tub surround – brown wall mastic	Negative	MWMn
37	1 st floor – bedroom – ceiling east side – texture	Negative	STX
38	1 st floor – bedroom – ceiling west side – texture	Negative	STX
39	1 st floor – bedroom – ceiling south side – texture	Negative	STX

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

Material	Homogeneous Code	Location	Approximate Quantity
Beige Linoleum	MFLe	1 st Floor Kitchen & Pantry Under Floor Tile on Fiberboard	190 Sq. Ft.
Duct Paper	TDW	Basement on Boots	10 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
1 st	Kitchen/Bathroom/Pantry/Stair	Floor Tile & Mastic	240 Sq. Ft.
2 nd	Hall/Bedrooms	Floor Tile & Mastic	320 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MSS	Asphalt Shingle Siding
MFLback	Linoleum Backing
MFLe	Beige Linoleum
MFLcb	Cream & Blue Linoleum
MFLy	Gray Linoleum
MFLk	Black Linoleum
MFLet	Beige & Tan Linoleum

Homogeneous Material Codes

MFB	Fiberboard
MFB2	Fiberboard #2
MPT	Tar Paper
MPT2	Tar Paper #2
MSU	Sink Undercoat
MCTMt	Tan Ceramic Tile
MCM	Carpet Mastic
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MPG	Glazing Compound
MWMn	Brown Wall Mastic
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper

Note#1: The linoleum and duct paper are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. 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 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>5</u>	Fluorescent Lights – 2 nd Floor North & East Bedroom, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Water Meter, 3 Lawn Mowers, & 9 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. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Black Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Layered	Black Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Layered	Black Siding	Asbestos Not Present	Cellulose 20	Tar Quartz
003a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Beige Insulation	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.



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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
005b		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
006a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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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	Haiar	2 Sand CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
008a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
009a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
010	10	Layered	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Binder
010a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose	100

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Binder
011a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
012	12	Layered	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl Binder
012a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
013	13	Layered	Green Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar
013a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Gray Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar
014a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
015	15	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar
016	16	Homogeneous	Black Sink Undercoat	Asbestos Not Present	Cellulose 15	Tar CaCO3
017	17	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
017a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
017b		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017c		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
018	18	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
019	19	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	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
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
022	22	Homogeneous	Pink Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Binder
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
023a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand Gypsum
023b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
024b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
025b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
026	26	Layered	Multi-Color Floor Tile	Asbestos Not Present	Synthetic 5	Vinyl CaCO3

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. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Binder
026b		Layered	Black Mastic	Asbestos Not Present	Cellulose 8	Tar
027	27	Layered	Cream Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar
027a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
028	28	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl Binder
028a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 40	Vinyl Tar
029	29	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
030	30	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
031	31	Homogeneous	Beige Insulation	Asbestos Present Chrysotile 90	NA	Binder
032	32	Homogeneous	Gray Concrete	Asbestos Not Present	Cellulose 2	Sand CaCO3
033	33	Homogeneous	Gray Concrete	Asbestos Present Chrysotile 2	Cellulose 2	Sand CaCO3
034	34	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 100	

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. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
035a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
036	36	Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
036a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
037	37	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
038	38	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
039	39	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3

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. 251879	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/08/2015	Project: DNS
Analyzed By: Carter Cox	Project Location: Miswaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
-------------------	------------------	-------------	---------------------	--------------	------------------------	-------------

Carter Cox

Carter W. Cox, Analyst

7/8/2015

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

www.QuanTEM.com

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For Lab Use Only	
Lab No. <u>257879</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results <input checked="" type="checkbox"/> one box	
<input checked="" type="checkbox"/> QuanTEM Website	<input type="checkbox"/> Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.2923	
SAMPLED BY: Name: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	7/2/15 1700	Fed Ex	<i>Judy Rowan</i>	7/15 10:00

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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LABORATORIES
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>257879</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



ASBESTOS CHAIN OF CUSTODY

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 Lab No. 257879
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31				
32	32				
33	33				
34	34				
35	35				
36	36				
37	37				
38	38				
39	39				
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 252098	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/10/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed:	Project: PTCT for 251879, DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2923

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	33	Homogeneous	Gray Concrete	Asbestos Not Present 400 Point Count	NA	

Carter Cox

Carter W. Cox, Analyst

7/10/2015

Date of Report

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

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



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www.QuanTEM.com

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For Lab Use Only
 Lab No. 252098
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.2923	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 7/9/15 15:15	VIA Email	RECEIVED BY <i>Sheffrich</i>	DATE & TIME 7/10/15 8:00
-----------------------------------------	-----------------------------	--------------	---------------------------------	-----------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM		TEM	TURNAROUND TIME
		Air- AHERA	Air- NIOSH 7402		
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	33	<input checked="" type="checkbox"/>				Quantem Lab # 251879
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

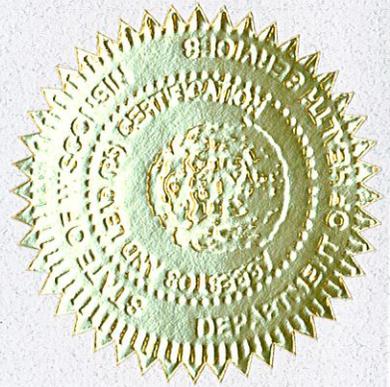
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
Two Family Dwelling
3233 North 14th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.3233
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations4

VII. Pre-Demolition Environmental Checklist.....5

VIII. Laboratory Results9

IX. HMG Certifications10

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3233 North 14th Street, Milwaukee, Wisconsin.

The inspection included plaster, flue packing, linoleum, fiberboard, drywall/joint compound, and tar paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

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

On October 9, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3233 North 14th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP

regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, flue packing, linoleum, fiberboard, drywall/joint compound, and tar paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – on chimney – flue packing	Negative	N/A	TFP
2a	1 st floor – entry – south wall – joint compound	Negative	N/A	MDW
2b	1 st floor – entry – south wall – drywall	Negative	N/A	MDW
3a	1 st floor – kitchen – east wall – joint compound	Negative	N/A	MDW
3b	1 st floor – kitchen – east wall – drywall	Negative	N/A	MDW
4a	2 nd floor – kitchen – south wall – joint compound	Negative	N/A	MDW
4a	2 nd floor – kitchen – south wall – drywall	Negative	N/A	MDW
5	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
6a	2 nd floor – kitchen – west wall – patch layer	Negative	N/A	SPI
6b	2 nd floor – kitchen – west wall – plaster	Negative	N/A	SPI
7	2 nd floor – hall – east wall – plaster	Negative	N/A	SPI
8	2 nd floor – living room – ceiling – plaster	Negative	N/A	SPI
9	Attic – stair – south wall – plaster	Negative	N/A	SPI
10	1 st floor – kitchen – under floor til – yellow linoleum	Negative	N/A	MFLI
11	2 nd floor – stair – brown linoleum	Negative	N/A	MFLn
12	2 nd floor – back hall – on floor – tar paper	Negative	N/A	MPT
13	2 nd floor – kitchen – in wall – blown in insulation	Negative	N/A	MBI
14	2 nd floor – bedroom – in wall – blown in insulation	Negative	N/A	MBI
15	2 nd floor – living room – in wall – blown in insulation	Negative	N/A	MBI

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	2,500 Sq. Ft.
1 st	Bedroom/Stair	Floor Tile & Mastic	230 Sq. Ft.
2 nd	Stair/Bathroom	Floor & Wall Mastic	160 Sq. Ft.
2 nd	Bathroom/Kitchen	Floor Tile & Mastic	850 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MFLn	Brown Linoleum
MFLI	Yellow Linoleum
MPT	Tar Paper

Homogeneous Material Codes

MBI	Blown in Insulation
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

1st floor bathroom and bedroom and 2nd floor bedroom floors buried in fire debris and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242354

Account Number: B929

Date Received: 10/10/2014

Received By: Leigh Armstrong

Date Analyzed: 10/15/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3233

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Cement	Asbestos Not Present	Cellulose <1	CaCO3 Binder
002	2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
003	3	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
004	4	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3233

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
007	7	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3
008	8	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Paint
009	9	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose Haie	<1 2 Quartz CaCO3 Paint
010	10	Homogeneous	Light Gray Fiberboard	Asbestos Not Present	Cellulose	50 Binder CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242354

Account Number: B929

Date Received: 10/10/2014

Received By: Leigh Armstrong

Date Analyzed: 10/15/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Dean Jacobsen

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3233

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	Light Gray Linoleum	Asbestos Not Present	Cellulose 50	Cork Tar
012	12	Homogeneous	Light Gray Linoleum	Asbestos Not Present	Cellulose 50	Cork Tar Binder
013	13	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
014	14	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
015	15	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

Shweta Harankhedkar, Analyst

10/15/2014

Date of Report

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

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



LABORATORIES
www.QuanTEM.com

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. 242354
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3233	
SAMPLED BY: <u>[Signature]</u> Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>[Signature]</u>	10/9/14 1800	FedEx	<u>[Signature]</u>	10/10/14 9:50

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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>242354</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				Do Not Test Mastic ↓
12	12	<input type="checkbox"/>				
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input checked="" type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

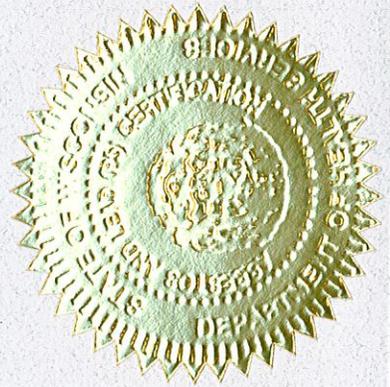
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Eric Duane Christon
10908 W Langlade St
Milwaukee WI 53225-1319

		275 lbs	6' 01"
All-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2853 North 17th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2853
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....5

VI. Limitations6

VII. Pre-Demolition Environmental Checklist.....7

VIII. Laboratory Results11

IX. HMG Certifications12

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2853 North 17th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 20, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for demolition, located at 2853 North 17th 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP

regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
4	1 st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
4	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
5a	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
5b	1 st floor – bathroom – west wall – joint compound layer 2	Negative	N/A	MDW
5c	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
6a	2 nd floor – west bedroom – east wall – joint compound	Negative	N/A	MDW
6b	2 nd floor – west bedroom – east wall – joint compound layer 2	Negative	N/A	MDW
6c	2 nd floor – west bedroom – east wall – drywall	Negative	N/A	MDW
7a	1 st floor – foyer – under carpet – brown linoleum	Negative	N/A	MFLn
7b	1 st floor – foyer – under linoleum – beige linoleum	Negative	N/A	MFLe
8	1 st floor – living room – west side under carpet – beige linoleum	Negative	N/A	MFLe
9	1 st floor – living room – east side under carpet – beige linoleum	Negative	N/A	MFLe
10a	1 st floor – bathroom – on tub wall – white ceramic tile	Negative	N/A	MCTMw
10b	1 st floor – bathroom – on tub wall – grout	Negative	N/A	MCTMw
10c	1 st floor – bathroom – on tub wall – under ceramic tile – mortar	Negative	N/A	MCTMw
11	2 nd floor – kitchen – west side under plywood – cream linoleum	Negative	N/A	MFLc
12	2 nd floor – kitchen – north side under plywood – cream linoleum	Negative	N/A	MFLc
13	2 nd floor – kitchen – east side under plywood – cream linoleum	Negative	N/A	MFLc
14	2 nd floor – west bedroom – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15a	2 nd floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
15b	2 nd floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
16a	2 nd floor – south bedroom – north wall – plaster skim coat	Negative	N/A	SPI
16b	2 nd floor – south bedroom – north wall – plaster base coat	Negative	N/A	SPI
17a	2 nd floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
17b	2 nd floor – living room – west wall – plaster base coat	Negative	N/A	SPI
18a	1 st floor – living room closet – west wall – plaster skim coat	Negative	N/A	SPI
18b	1 st floor – living room closet – west wall – plaster base coat	Negative	N/A	SPI
19	1 st floor – front entry closet – south wall – plaster base coat	Negative	N/A	SPI
20a	2 nd floor – dining room – west wall – texture	Negative	N/A	STX
20b	2 nd floor – dining room – west wall – texture layer 2	Negative	N/A	STX
20c	2 nd floor – dining room – west wall – texture layer 3	Negative	N/A	STX
21a	2 nd floor – east bedroom – north wall – texture	Negative	N/A	STX
21b	2 nd floor – east bedroom – north wall – texture layer 2	Negative	N/A	STX
21c	2 nd floor – east bedroom – north wall – texture layer 3	Negative	N/A	STX
22	2 nd floor – living room – south wall – texture	Negative	N/A	STX
23	1 st floor – living room – north wall – texture	Negative	N/A	STX
24	1 st floor – east bedroom – east wall – texture	Negative	N/A	STX
25	2nd floor – south bedroom – on north wall duct – duct paper <i>Quantity includes dining room, basement boots, and joist near furnace</i>	Positive 80% Chrysotile	15 Sq. Ft.	TDW
26	2 nd floor – living room – lower east wall – texture #2	Negative	N/A	STX2
27	2 nd floor – living room – lower north wall – texture #2	Negative	N/A	STX2
28	2 nd floor – living room – lower west wall – texture #2	Negative	N/A	STX2
29	Basement – chimney – west side – plaster #2	Negative	N/A	SPI2
30	Basement – chimney – south side – plaster #2	Negative	N/A	SPI2
31	Basement – chimney – north side – plaster #2	Negative	N/A	SPI2
32	Basement – on west & east sides of chimney – white flue packing	Positive 3% Chrysotile	2 Sq. Ft.	TFPw
33a	Basement – on west side of chimney – gray flue packing top layer	Negative	N/A	TFPy
33b	Basement – on west side of chimney – gray flue packing 2nd layer	Positive 2% Chrysotile	1 Sq. Ft.	TFPy
33c	Basement – on west side of chimney – gray flue packing bottom layer	Negative	N/A	TFPy

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
34	Basement – north wall center – plaster patch	Negative	N/A	SPIP

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	160 Sq. Ft.
1 st	Front Entry/Living Room	Floor Mastic	200 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Tile & Mastic	550 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
SPIP	Plaster Patch
STX	Texture
STX2	Texture #2
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MCTMw	White Ceramic Tile
MFLn	Brown Linoleum
MFLe	Beige Linoleum
MFLc	Cream Linoleum
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces 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 – 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 where PCBs may be found:

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Water Meter & 5 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242966
 Account Number: B929
 Date Received: 10/21/2014
 Received By: Judy Rowan
 Date Analyzed: 10/24/2014
 Analyzed By: Gayle Ooten
 Methodology: EPA/600/R-93/116

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

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-042.2853

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
004	4	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242966

Account Number: B929

Date Received: 10/21/2014

Received By: Judy Rowan

Date Analyzed: 10/24/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
006	6	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
006b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
007	7	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
007a		Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
008	8	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242966

Account Number: B929

Date Received: 10/21/2014

Received By: Judy Rowan

Date Analyzed: 10/24/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
010	10	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
010a		Layered	White Grout	Asbestos Not Present	NA	Gypsum CaCO3
010b		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3
011	11	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 15	Vinyl
012	12	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15	Vinyl
013	13	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242966	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/24/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242966

Account Number: B929

Date Received: 10/21/2014

Received By: Judy Rowan

Date Analyzed: 10/24/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2853

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
020	20	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Paint
020a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
020b		Layered	White Joint Compound	Asbestos Not Present	Cellulose 2	Gypsum CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242966	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/21/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/24/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
021b		Layered	White Joint Compound	Asbestos Not Present	Cellulose	2 Gypsum CaCO3
022	22	Homogeneous	White Texture	Asbestos Not Present	Talc	4 CaCO3 Paint
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose	10 Binder

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242966
 Account Number: B929
 Date Received: 10/21/2014
 Received By: Judy Rowan
 Date Analyzed: 10/24/2014
 Analyzed By: Gayle Ooten
 Methodology: EPA/600/R-93/116

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

Project: DNS
 Project Location: Milwaukee, WI
 Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
030	30	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
031	31	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
032	32	Homogeneous	Gray Plaster	Asbestos Present Chrysotile 3	NA	Quartz Clay 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. 242966

Account Number: B929

Date Received: 10/21/2014

Received By: Judy Rowan

Date Analyzed: 10/24/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harena Management Group
Dean Jacobsen

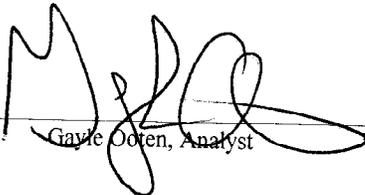
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2853

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	Gray Plaster	Asbestos Not Present	Wollastonite 20	CaCO3
033a		Layered	Black Plaster	Asbestos Present Chrysotile 2	NA	Quartz Binder
033b		Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
034	34	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint


Gayle Ooten, Analyst

10/24/2014
Date of Report

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

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



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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

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (<input checked="" type="checkbox"/> one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.2853	<input type="checkbox"/> Other email
SAMPLED BY: <i>[Signature]</i>	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 10/20/14 1800	VIA: FedEx	RECEIVED BY: <i>Judy Rowan</i>	DATE & TIME: 10/21/14 10:00
-------------------------------------	----------------------------	------------	--------------------------------	-----------------------------

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)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				Do NOT Test Mastic
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



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For Lab Use Only
 Lab No. 242964
 Accept Reject

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

Do Not Test/Analyze
 ↓



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. 242964
 Accept Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input checked="" type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

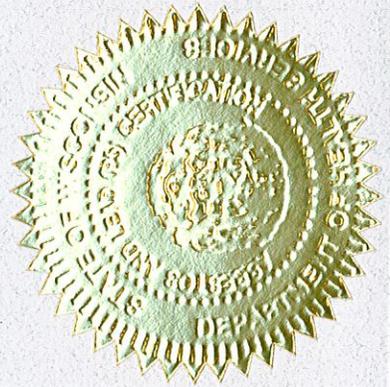
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



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

Dean T Jacobsen
W1316781 Kipling Dr
Muskego WI 53150-3401

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

Training due by: 12/01/2014

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2904 North 17th 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.: 15-400-004.2904
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2015

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....7

VI. Limitations8

VII. Pre-Demolition Environmental Checklist.....9

VIII. Laboratory Results13

IX. HMG Certifications14

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2904 North 17th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, blown in insulation, window glazing compound, caulk, tar paper, linoleum, false brick, ceramic tile, drywall/joint compound, flue packing, insulation pad, duct paper, ceiling tile, paper insulation, 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 survey and to analyze samples taken during the inspection.

On June 25, 2015, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2904 North 17th 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, blown in insulation, window glazing compound, caulk, tar paper, linoleum, false brick, ceramic tile, drywall/joint compound, flue packing, insulation pad, duct paper, ceiling tile, paper insulation, 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 – north wall under aluminum siding – fiberboard	Negative	MFB
4	Exterior – in west wall – blown in insulation	Negative	MBI
5	Exterior – in south wall – blown in insulation	Negative	MBI
6	Exterior – in east wall – blown in insulation	Negative	MBI
7	1 st floor – living room – on window – glazing compound	Negative	MPG
8	2 nd floor – dining room – on window – glazing compound	Negative	MPG
9	Basement – on window – glazing compound	Positive 3% Chrysotile	MPG
10	Exterior – around west window – white caulk	Positive 5% Chrysotile	MCLKw
11	Exterior – around south window – white caulk	Positive 4% Chrysotile	MCLKw
12	Exterior – around east window – white caulk	Positive 7% Chrysotile	MCLKw
13	Exterior – south wall under wood siding – tar paper	Negative	MPT
14	Exterior – east wall under wood siding – tar paper	Negative	MPT
15	Exterior – west wall under wood siding – tar paper	Negative	MPT
16	Exterior – around south window on white caulk – cream caulk	Positive 6% Chrysotile	MCLKc
17	1 st floor – dining ceiling – decorative plaster	Negative	SPD
18	1 st floor – west bedroom closet – tan and brown linoleum	Negative	MFLtn
19	1 st floor – east bedroom – brown and red linoleum	Negative	MFLnr
20a	1 st floor – kitchen – on west wall – false brick	Negative	MFBR
20b	1 st floor – kitchen – on west wall – under false brick – mortar	Negative	MFBR
21a	1 st floor – kitchen – on north wall – white ceramic tile	Negative	MCTMw

Sample #	Location and Description	Results	Homogeneous Code
21b	1 st floor – kitchen – on north wall – under ceramic tile – mastic	Negative	MCTMw
21c	1 st floor – kitchen – on north wall – grout	Negative	MCTMw
22	1st floor – rear stair landing – beige and gold linoleum	Positive 30% Chrysotile	MFLed
23a	2 nd floor – rear stair landing – brown linoleum	Negative	MFLn
23b	2 nd floor – rear stair landing – under linoleum – mastic	Negative	MFLn
24	2 nd floor – kitchen – on ceiling – texture	Negative	STX
25	2 nd floor – dining room – on ceiling – texture	Negative	STX
26	2 nd floor – living room – on ceiling – texture	Negative	STX
27	1 st floor – living room – on ceiling – texture	Negative	STX
28	1 st floor – dining room – on ceiling – texture	Negative	STX
29a	2 nd floor – hall – north wall – joint compound layer	Negative	SPI
29b	2 nd floor – hall – north wall – plaster skim coat	Negative	SPI
29c	2 nd floor – hall – north wall – plaster base coat	Negative	SPI
30a	2 nd floor – west bedroom – west wall – plaster skim coat	Negative	SPI
30b	2 nd floor – west bedroom – west wall – plaster base coat	Negative	SPI
31a	2 nd floor – living room – south wall – plaster skim coat	Negative	SPI
31b	2 nd floor – living room – south wall – plaster base coat	Negative	SPI
32a	2 nd floor – rear stair – north wall – plaster skim coat	Negative	SPI
32b	2 nd floor – rear stair – north wall – plaster base coat	Negative	SPI
33a	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
33b	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
34a	1 st floor – dining room – north wall – plaster skim coat	Negative	SPI
34b	1 st floor – dining room – north wall – plaster base coat	Negative	SPI
35a	1 st floor – living room – west wall – plaster skim coat	Negative	SPI
35b	1 st floor – living room – west wall – plaster base coat	Negative	SPI
36	2 nd floor – living room – on north arch – texture #2	Negative	STX2
37	2 nd floor – living room – on east arch – texture #2	Negative	STX2
38	1 st floor – kitchen – on alcove – texture #2	Negative	STX2
39a	2 nd floor – dining room – east wall – joint compound	Negative	MDW
39b	2 nd floor – dining room – east wall – drywall	Negative	MDW
40a	1 st floor – bathroom – west wall – joint compound	Negative	MDW
40b	1 st floor – bathroom – west wall – drywall	Negative	MDW
41a	1 st floor – west bedroom – east wall – joint compound	Negative	MDW
41b	1 st floor – west bedroom – east wall – drywall	Negative	MDW
42	2 nd floor – kitchen – on north wall – texture #3	Negative	STX3
43	2 nd floor – kitchen – on west wall – texture #3	Negative	STX3
44	2 nd floor – west bedroom – on east wall – texture #3	Negative	STX3
45	2 nd floor – east bedroom – on east wall – texture 4	Negative	STX4
46	2 nd floor – east bedroom – on north wall – texture 4	Negative	STX4
47	2 nd floor – east bedroom – on west wall – texture 4	Negative	STX4
48	2 nd floor – hall – under floor tile – tar paper #2	Negative	MPT2
49a	2 nd floor – bathroom floor – cream and orange ceramic tile	Negative	MCTMco

Sample #	Location and Description	Results	Homogeneous Code
49b	2nd floor – bathroom floor – under ceramic tile – tan mastic on wood	Positive 5% Chrysotile	MCTMco
49c	2 nd floor – bathroom floor – grout	Negative	MCTMco
50a	2 nd floor – bathroom – on walls – white and yellow ceramic tile	Negative	MCTMwl
50b	2 nd floor – bathroom – on walls – under ceramic tile – mastic	Negative	MCTMwl
50c	2 nd floor – bathroom – on walls – grout	Negative	MCTMwl
51	2 nd floor – front stair – on walls – joint compound patch	Negative	MJC
52	Basement – on chimney – flue packing	Positive 10% Chrysotile	TFP
53	Basement – on east wall near stair – insulation pad	Positive 75% Chrysotile	TIP
54	Basement – on east boot – duct paper	Positive 75% Chrysotile	TDW
55	Basement – northeast room – boot on shelf – duct paper	Positive 75% Chrysotile	TDW
56	Basement – on west return – duct paper	Positive 60% Chrysotile	TDW
57	Basement – near south wall – 2' x 4' ceiling tile	Negative	MSCT24
58a	1 st floor – bathroom – on floor and walls – beige ceramic tile	Negative	MCTMe
58b	1 st floor – bathroom – on floor and walls – under ceramic tile – mortar	Negative	MCTMe
58c	1 st floor – bathroom – on floor and walls – tan grout	Negative	MCTMe
58d	1 st floor – bathroom – on floor and walls – gray grout	Negative	MCTMe
59a	1 st floor – kitchen – floor center – tan ceramic tile	Negative	MCTMt
59b	1 st floor – kitchen – floor center – under ceramic tile - mortar	Negative	MCTMt
59c	1 st floor – kitchen – floor center – grout	Negative	MCTMt
60a	1 st floor – kitchen – floor west side – tan ceramic tile	Negative	MCTMt
60b	1 st floor – kitchen – floor west side – under ceramic tile - mortar	Negative	MCTMt
60c	1 st floor – kitchen – floor west side – tan grout	Negative	MCTMt
60d	1 st floor – kitchen – floor west side – white grout	Negative	MCTMt
61a	1 st floor – hall floor – tan ceramic tile	Negative	MCTMt
61b	1 st floor – hall floor – under ceramic tile - mortar	Negative	MCTMt
61c	1 st floor – hall floor – tan grout	Negative	MCTMt
61d	1 st floor – hall floor – white grout	Negative	MCTMt
62a	1 st floor – east bedroom – north wall – joint compound layer	Negative	SPI2
62b	1 st floor – east bedroom – north wall – plaster skim coat	Negative	SPI2
62c	1 st floor – east bedroom – north wall – plaster base coat	Negative	SPI2
63a	1 st floor – east bedroom – west wall – joint compound layer	Negative	SPI2
63b	1 st floor – east bedroom – west wall – plaster skim coat	Negative	SPI2

Sample #	Location and Description	Results	Homogeneous Code
63c	1 st floor – east bedroom – west wall – plaster base coat	Negative	SPI2
64a	1 st floor – east bedroom – south wall – joint compound layer	Negative	SPI2
64b	1 st floor – east bedroom – south wall – plaster skim coat	Negative	SPI2
64c	1 st floor – east bedroom – south wall – plaster base coat	Negative	SPI2
65	Garage – on ceiling – paper insulation	Negative	MPI

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

Material	Homogeneous Code	Location	Approximate Quantity
White Caulk	MCLKt	Exterior Around Windows On Aluminum Siding	35 Windows 100 Ln. Ft.
Cream Caulk	MCLKc	Exterior Around South Window	1 Window
Glazing Compound	MPG	All Floors	35 Windows
Beige & Gold Linoleum	MFLed	1 st Floor Rear Stair Landing	25 Sq. Ft.
Mastic Under Cream & Orange Ceramic Tile	MCTMco	2 nd Floor Bathroom Floor on Wood	35 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	5 Sq. Ft.
Insulation Pad	TIP	Basement on East Wall Near Stair	1 Sq. Ft.
Duct Paper	TDW	Basement on Boots, Return, Northeast Room Shelf	25 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.
1 st	Pantry	Floor Tile & Mastic	20 Sq. Ft.
2 nd	Kitchen/Pantry/Hall	Floor Tile & Mastic	230 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
SPD	Decorative Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
MFB	Fiberboard
MBI	Blown in Insulation
MPG	Glazing Compound
MCLKw	White Caulk
MCLKc	Cream Caulk
MPT	Tar Paper
MPT2	Tar Paper #2
MFLtn	Tan & Brown Linoleum
MFLnr	Brown & Red Linoleum

Homogeneous Material Codes

MFLed	Beige & Gold Linoleum
MFLn	Brown Linoleum
MFBR	False Brick
MCTMw	White Ceramic Tile
MCTMco	Cream & Orange Ceramic Tile
MCTMwl	White & Yellow Ceramic Tile
MCTMe	Beige Ceramic Tile
MCTMt	Tan Ceramic Tile
MDW	Drywall/Joint Compound
MJC	Joint Compound Patch
MSCT24	2' x 4' Ceiling Tile
MPI	Paper Insulation
TFP	Flue Packing
TIP	Insulation Pad
TDW	Duct Paper

Note#1: The caulk, glazing compound, ceramic tile mastic, flue packing, insulation pad, duct paper, and linoleum are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition. 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 demolition contractor.

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

V. EXCLUSIONS

One to two feet of debris in garage – floor only partially accessible, Roofs 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>5</u>	Fluorescent Lights – Exterior, 1 st Floor East Bedroom & Kitchen, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – 1 st Floor Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters 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. 251583	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Tar
004	4	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
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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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Window Glazing	Asbestos Not Present	Talc 2	CaCO3
009	9	Homogeneous	Beige Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
010	10	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 5	NA	Binder
011	11	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 7	NA	Binder
013	13	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
015	15	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
016	16	Homogeneous	White/Black Putty	Asbestos Present Chrysotile 6	NA	CaCO3 Binder
017	17	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Paint
018	18	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
019	19	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
020	20	Layered	Red Ceramic Tile	Asbestos Not Present	NA	Sand Clay

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	Gray Grout	Asbestos Not Present	Synthetic 15	Sand CaCO3
021	21	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
021a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
021b		Layered	White Grout	Asbestos Not Present	NA	Sand Gypsum
022	22	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
023	23	Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	White Mastic	Asbestos Not Present	NA	Glue Binder
024	24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Talc

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
029b		Layered	Gray Plaster	Asbestos Not Present	Hair	5 Sand CaCO3
030	30	Layered	White Skim Coat	Asbestos Not Present	Hair	2 Sand CaCO3 Paint
030a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
031	31	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
031a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
032a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand CaCO3
033	33	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
033a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand CaCO3
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
034a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
035a		Layered	Gray Plaster	Asbestos Not Present	Hair 3	Sand CaCO3
036	36	Homogeneous	Tan Paint	Asbestos Not Present	NA	Paint
037	37	Homogeneous	Tan Paint	Asbestos Not Present	NA	Paint
038	38	Homogeneous	Tan Paint	Asbestos Not Present	NA	Paint
039	39	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
039a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	40	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
040a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
041	41	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
041a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
042	42	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
043	43	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 251583	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
045	45	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
046	46	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
047	47	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
048	48	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
049	49	Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
049a		Layered	Tan Mastic	Asbestos Present Chrysotile 5	NA	Glue CaCO3

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Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049b		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
050	50	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
050a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
050b		Layered	White Grout	Asbestos Not Present	NA	CaCO3
051	51	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3
052	52	Homogeneous	Black/White Debris	Asbestos Present Chrysotile 10	Cellulose	2 Sand CaCO3 Binder

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053	53	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Binder
054	54	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder
055	55	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 15	Binder
056	56	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
057	57	Homogeneous	Cream Ceiling Tile	Asbestos Not Present	Cellulose 40 Glass Fiber 40	Perlite
058	58	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
058a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
058b		Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3
058c		Layered	Light Gray Grout	Asbestos Not Present	NA	Sand CaCO3
059	59	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
059a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
059b		Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3
060	60	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay

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Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
060a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
060b		Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3
060c		Layered	White Grout	Asbestos Not Present	Wollastonite	5 CaCO3
061	61	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
061a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
061b		Layered	Tan Grout	Asbestos Not Present	NA	Sand CaCO3
061c		Layered	White Grout	Asbestos Not Present	Wollastonite	6 CaCO3

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Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/01/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
062	62	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
062a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
062b		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
063	63	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
063a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
063b		Layered	White Texture	Asbestos Not Present	NA	Gypsum Talc

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2904

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
064	64	Layered	White Texture	Asbestos Not Present	NA	CaCO3
064a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Talc Paint
064b		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
065	65	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	

Gayle Ooten, Analyst

7/1/2015

Date of Report

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

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>251583</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

Project Information	
Project Name: DNS	
Project Location: Milwaukee, WI	
Project ID: 15-400-004.2904	
P.O. Number:	

Contact Information	
Company: Harenda Management Group	Phone: (414) 383-4800
Contact: Dean Jacobsen	Cell Phone:
Account #: B929	E-mail: djacobsen@harenda.com
SAMPLED BY: _____	Date: _____

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>6/25/15 1700</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>Judy Rowan</u>	DATE & TIME: <u>6/26/15 9:45</u>
-------------------------------------	----------------------------------	-------------------	--------------------------------	----------------------------------

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>251583</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group		Color			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	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 checked="" type="checkbox"/>			
30	30	<input checked="" type="checkbox"/>			



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For Lab Use Only

Lab No. 257583

Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group		Color			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	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 type="checkbox"/>			
46	46	<input type="checkbox"/>			
47	47	<input type="checkbox"/>			
48	48	<input type="checkbox"/>			
49	49	<input type="checkbox"/>			
50	50	<input checked="" type="checkbox"/>			



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For Lab Use Only
Lab No. <u>251583</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>51</u>	<u>51</u>				
<u>52</u>	<u>52</u>				
<u>53</u>	<u>53</u>				
<u>54</u>	<u>54</u>				
<u>55</u>	<u>55</u>				
<u>56</u>	<u>56</u>				
<u>57</u>	<u>57</u>				
<u>58</u>	<u>58</u>				
<u>59</u>	<u>59</u>				
<u>60</u>	<u>60</u>				
<u>61</u>	<u>61</u>				
<u>62</u>	<u>62</u>				
<u>63</u>	<u>63</u>				
<u>64</u>	<u>64</u>				
<u>65</u>	<u>65</u>				
<u>6</u>					
<u>7</u>					
<u>8</u>					
<u>9</u>					
<u>0</u>					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

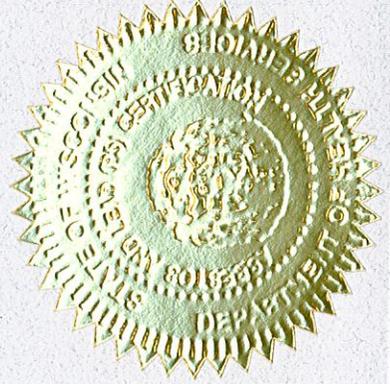
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2444 North Buffum Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2444
Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....4

VI. Limitations5

VII. Pre-Demolition Environmental Checklist.....6

VIII. Laboratory Results10

IX. HMG Certifications11

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2444 North Buffum Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, magnesia pipe insulation, ceiling tile, drywall, window glazing compound, and linoleum to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

II. BUILDING SURVEY

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

On October 15, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2444 North Buffum Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP

regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, transite siding, magnesia pipe insulation, ceiling tile, drywall, window glazing compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall – transite siding	Positive 30% Chrysotile	2,700 Sq. Ft.	MTP
2	Exterior – west wall – transite siding	Positive 30% Chrysotile	Reference Sample 1	MTP
3	Exterior – north wall – transite siding	Positive 30% Chrysotile	Reference Sample 1	MTP
4	Basement – on pipes - <5” diameter magnesia pipe insulation	Positive 4% Chrysotile, 30% Amosite	40 Ln. Ft.	TM5
5	Basement – on pipes - <5” diameter magnesia pipe insulation	Positive 3% Chrysotile, 30% Amosite	Reference Sample 4	TM5
6	Basement – on pipes - <5” diameter magnesia pipe insulation	Positive <1% Chrysotile, 30% Amosite	Reference Sample 4	TM5
7	Basement – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
8	Basement – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
9	Basement – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
10	Basement – ceiling – drywall	Negative	N/A	MDW
11	Basement – ceiling – drywall	Negative	N/A	MDW
12	Basement – ceiling – drywall	Negative	N/A	MDW
13	Basement – south wall – plaster	Negative	N/A	SPI
14	1 st floor – bedroom – east wall – plaster	Negative	N/A	SPI
15	1 st floor – living room – north wall – plaster	Negative	N/A	SPI
16	1 st floor – dining room – south wall – plaster	Negative	N/A	SPI
17	2 nd floor – west bedroom – ceiling – plaster	Negative	N/A	SPI
18	2 nd floor – west bedroom – north wall – plaster	Negative	N/A	SPI
19	2 nd floor – living room – east wall – plaster	Negative	N/A	SPI
20	1 st floor – porch – on window – glazing compound	Negative	N/A	MPG
21	1 st floor – living room – on window – glazing compound	Negative	N/A	MPG
22	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG
23	1 st floor – stair – under carpet – red linoleum	Positive 25% Chrysotile	40 Sq. Ft.	MFLr
24	2 nd floor – living room – top layer – green linoleum	Negative	N/A	MFLg

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
25	2 nd floor – living room – bottom layer – gray and red linoleum	Negative	N/A	MFLyr
26a	2 nd floor – west bedroom – north wall – joint compound	Positive 2% Chrysotile	N/A	MDW2
26b	2 nd floor – west bedroom – north wall – drywall #2	Negative	N/A	MDW2
26	COMPOSITE POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	MDW2

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	300 Sq. Ft.
1 st	Stair/Pantry/Living Room/Kitchen	Floor/Ceiling/Wall Mastic	320 Sq. Ft.
2 nd	Bathroom/Living Room	Floor Mastic	170 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MTP	Transite
MSCT11	1' x 1' Ceiling Tile
MDW	Drywall
MDW2	Drywall/Joint Compound
MPG	Glazing Compound
MFLr	Red Linoleum
MFLg	Green Linoleum
MFLyr	Gray & Red Linoleum
TM5	<5" Diameter Magnesia Insulation

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242778	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2444

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	Binder
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	Binder
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	Binder
004	4	Homogeneous	White Insulation	Asbestos Present Chrysotile 4 Amosite 30	NA	Binder
005	5	Homogeneous	White Insulation	Asbestos Present Chrysotile 3 Amosite 30	NA	Binder
006	6	Homogeneous	White Insulation	Asbestos Present Chrysotile <1 Amosite 30	NA	Binder
007	7	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242778	Client: Harendra Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2444

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
010	10	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Perlite
011	11	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Perlite
012	12	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Perlite
013	13	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair 2	Quartz CaCO3 Gypsum

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 242778	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2444

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Gypsum
015	15	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Gypsum
016	16	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Paint
017	17	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Paint
018	18	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Paint
019	19	Homogeneous	Light Gray Plaster	Asbestos Not Present	Hair	2 Quartz CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242778	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2444

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl Foam
024	24	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 50	Tar Cork Binder
025	25	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 50	Tar Cork Binder
026	26	Layered	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint

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

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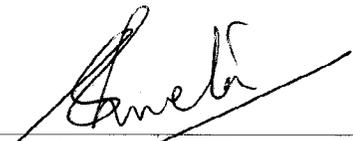


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 242778	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 10/17/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 10/20/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2444

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum


 Shweta Harankhedkar, Analyst

10/21/2014
 Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 242 778
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information

Company: **Harenda Management Group** Phone: **(414) 383-4800**

Contact: **Dean Jacobsen** Cell Phone: _____

Account #: **B929** E-mail: **djacobsen@harenda.com**

SAMPLED BY: Name: _____ Date: _____

Project Information

Project Name: **DNS**

Project Location: **Milwaukee, WI**

Project ID: **14-200-042.2444**

P.O. Number: _____

RELINQUISHED BY: [Signature] DATE & TIME: 10/16/14 1800 VIA: FedEx RECEIVED BY: Judy Rowan DATE & TIME: 10/17/14 9:45

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 242778
 Accept Reject

Project Information				Project Location: Milwaukee, WI		
Company: Harenda Management Group		Project Name: DNS				
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11		<input checked="" type="checkbox"/>				
12		<input type="checkbox"/>				
13		<input type="checkbox"/>				
14		<input type="checkbox"/>				
15		<input type="checkbox"/>				
16		<input type="checkbox"/>				
17		<input type="checkbox"/>				
18		<input type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				Do Not Test Mastic
24		<input type="checkbox"/>				↓
25		<input type="checkbox"/>				
26		<input checked="" type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 243142

Account Number: B929

Date Received: 10/23/2014

Received By: Sherrie Leftwich

Date Analyzed: 10/23/2014

Analyzed By: Shweta Harankhedkar

Methodology: EPA/600/R-93/116

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

Project: PTCT for 242778, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.2444

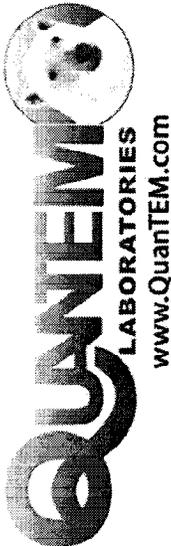
Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	26	Composite	White Texture / Shectrock	Asbestos Present Chrysotile <0.25 400 Point Count	NA	

Shweta Harankhedkar, Analyst

10/24/2014
Date of Report

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

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



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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harend Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harend.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.2444 P.O. Number:	
SAMPLED BY: Name: <i>Dean Jacobsen</i>		Report Results (Check one box) <input checked="" type="checkbox"/> Quantem Website <input type="checkbox"/> Other Email	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 10/23/14 1345	VIA Email	RECEIVED BY <i>Shelley</i>	DATE & TIME 10/23/14 1:45
------------------------------------------------	-----------------------------------------	---------------------	--------------------------------------	-----------------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Atmic 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	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	26	<input checked="" type="checkbox"/>			Composite Point Count
2		<input type="checkbox"/>			Quantem Lab #242778
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

Eric Duane Christon
10908 W Langlade St
Milwaukee WI 53225-1319

		275 lbs	6' 01"
All-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2955 North Mother Simpson Way
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.: 15-400-004.2955

Contract No.: 360-15-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP

1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2015

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....6

VI. Limitations6

VII. Pre-Demolition Environmental Checklist.....8

VIII. Laboratory Results12

IX. HMG Certifications13

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2955 North Mother Simpson Way, Milwaukee, Wisconsin.

The inspection included plaster, texture, window glazing compound, linoleum, joint compound patch, flue packing, drywall/joint compound, ceramic tile, vermiculite insulation, caulk, duct paper, tar paper, ceiling 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 survey and to analyze samples taken during the inspection.

On July 2, 2015, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2955 North Mother Simpson Way, 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1	1 st floor – stair – on window – glazing compound	Negative	MPG
2	2 nd floor – south bedroom – on window – glazing compound	Negative	MPG
3	Basement – on window – glazing compound	Negative	MPG
4a	2 nd floor – kitchen – under floor tile and plywood – gray and brown linoleum	Negative	MFLyn
4b	2 nd floor – kitchen – under linoleum – mastic	Negative	MFLyn
5	2 nd floor – bathroom – top layer – gray and blue linoleum	Negative	MFLyb
6	1 st floor – south bedroom – on ceiling – joint compound patch	Negative	MJC
7	1 st floor – living room – on chimney – white flue packing	Negative	TFPw
8a	1 st floor – bathroom – on south wall – texture	Negative	STX
8b	1 st floor – bathroom – on south wall – texture layer 2	Negative	STX
9	1 st floor – east bedroom – on ceiling – texture	Negative	STX
10	1 st floor – west bedroom – on ceiling – texture	Negative	STX
11	2 nd floor – east bedroom closet – west wall – plaster patch	Negative	SPIP
12a	2 nd floor – kitchen – north wall – joint compound	Negative	MDW
12b	2 nd floor – kitchen – north wall – drywall	Negative	MDW
13a	2 nd floor – bathroom – north wall – joint compound	Negative	MDW
13b	2 nd floor – bathroom – north wall – drywall	Negative	MDW
14a	1 st floor – bathroom – ceiling – joint compound	Negative	MDW
14b	1 st floor – bathroom – ceiling – drywall	Negative	MDW
15a	2 nd floor – east bedroom – south wall – plaster skim coat	Negative	SPI
15b	2 nd floor – east bedroom – south wall – plaster base coat	Negative	SPI
16a	2 nd floor – living room – west wall – plaster skim coat	Negative	SPI
16b	2 nd floor – living room – west wall – plaster base coat	Negative	SPI
17a	1 st floor – stair – north wall – plaster skim coat	Negative	SPI
17b	1 st floor – stair – north wall – plaster base coat	Negative	SPI
18a	1 st floor – dining room – west wall – joint compound layer	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
18b	1 st floor – dining room – west wall – plaster skim coat	Negative	SPI
18c	1 st floor – dining room – west wall – plaster base coat	Negative	SPI
19a	1 st floor – east bedroom – north wall – plaster skim coat	Negative	SPI
19b	1 st floor – east bedroom – north wall – plaster base coat	Negative	SPI
20a	2 nd floor – dining room floor – beige ceramic tile	Negative	MCTMe
20b	2 nd floor – dining room floor – grout	Negative	MCTMe
20c	2 nd floor – dining room floor – under ceramic tile – mortar	Negative	MCTMe
21	1 st floor – west bedroom – east wall – texture #2	Negative	STX2
22	1 st floor – west bedroom – south wall – texture #2	Negative	STX2
23	1 st floor – west bedroom – west wall – texture #2	Negative	STX2
24	2 nd floor – dining room closet – on floor – vermiculite insulation	Trace <1% Actinolite/Tremolite	MVI
24	POINT COUNT RESULT	Trace <0.25% Actinolite/Tremolite	MVI
25	2 nd floor – kitchen – ceiling north side – texture #2	Negative	STX3
26	2 nd floor – kitchen – ceiling south side – texture #2	Negative	STX3
27	2 nd floor – kitchen – ceiling west side – texture #2	Negative	STX3
28	2 nd floor – bathroom – at tub – beige caulk	Negative	MCLKe
29	Basement – on east boot – duct paper	Positive 60% Chrysotile	TDW
30	Basement – on west boot – duct paper	Positive 60% Chrysotile	TDW
31	Basement – on post near chimney– duct paper	Positive 60% Chrysotile	TDW
32a	Basement – on west side of chimney – gray flue packing top layer	Negative	TFPy
32b	Basement – on west side of chimney – gray flue packing bottom layer	Negative	TFPy
33	Basement – on east side of chimney – bottom layer – light gray flue packing	Positive 40% Chrysotile	TFPyLight
34	1 st floor – pantry – under floor tile – tar paper	Negative	MPT
35	1 st floor – bathroom – 2' x 4' ceiling tile	Negative	MSCT24
36	1 st floor – bathroom – under tub surround – tan mastic	Negative	MWMt
37a	1 st floor – kitchen floor – top layer west side – pink ceramic tile	Negative	MCTMp
37b	1 st floor – kitchen floor – top layer west side – grout	Negative	MCTMp
37c	1 st floor – kitchen floor – top layer west side – under ceramic tile – mortar	Negative	MCTMp
38a	1 st floor – kitchen floor – top layer center – pink ceramic tile	Negative	MCTMp
38b	1 st floor – kitchen floor – top layer center – grout	Negative	MCTMp
38c	1 st floor – kitchen floor – top layer center – under ceramic tile – mortar	Negative	MCTMp
39a	1 st floor – kitchen floor – top layer east side – pink ceramic tile	Negative	MCTMp
39b	1 st floor – kitchen floor – top layer east side – grout	Negative	MCTMp

Sample #	Location and Description	Results	Homogeneous Code
39c	1 st floor – kitchen floor – top layer east side – under ceramic tile – mortar	Negative	MCTMp
40	1 st floor – kitchen – west side under floor tile and plywood – tan linoleum	Negative	MFLt
41	1 st floor – kitchen – center under floor tile and plywood – tan linoleum	Negative	MFLt
42	1 st floor – kitchen – east side under floor tile and plywood – tan linoleum	Negative	MFLt
43	1 st floor – kitchen – west side under tan linoleum – red linoleum	Negative	MFLr
44	1 st floor – kitchen – center under tan linoleum – red linoleum	Negative	MFLr
45	1 st floor – kitchen – east side under tan linoleum – red linoleum	Negative	MFLr

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

Material	Homogeneous Code	Location	Approximate Quantity
Light Gray Flue Packing	TFPylight	Basement Bottom Layer on East Side of Chimney	2 Sq. Ft.
Duct Paper	TDW	Basement on Boots & Post Near Chimney	30 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 st	Front Entry/Dining Room/Living Room/Bedroom/Bathroom/Pantry	Floor Tile & Mastic	1,230 Sq. Ft.
2 nd	All Rooms	Floor Tile & Mastic	1,100 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPIP	Plaster Patch
STX	Texture
STX2	Texture #2
STX3	Texture #3
MPG	Glazing Compound
MFLyn	Gray & Brown Linoleum
MFLyb	Gray & Blue Linoleum
MFLt	Tan Linoleum
MFLr	Red Linoleum
MJC	Joint Compound Patch
MDW	Drywall/Joint Compound
MCTMe	Beige Ceramic Tile
MCTMp	Pink Ceramic Tile
MVI	Vermiculite Insulation
MCLKe	Beige Caulk

Homogeneous Material Codes

MPT	Tar Paper
MSU	Sink Undercoat
MSCT24	2' x 4' Ceiling Tile
MWMt	Tan Wall Mastic
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TDW	Duct Paper

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

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

V. EXCLUSIONS

No access to attic. 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 & Bathroom 2 nd Floor South 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 – 1 Furnace in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – 2 nd Floor Living Room

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 where PCBs may be found:

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Water Meter 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. 251883	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/07/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
002	2	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
003	3	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
004	4	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 35	Vinyl
004a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
005	5	Homogeneous	Gray Flooring	Asbestos Not Present	NA	Vinyl Binder
006	6	Homogeneous	White Skim Coat	Asbestos Not Present	NA	CaCO3 Talc Paint

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

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
010	10	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
014	14	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
015	15	Layered	White Skim Coat	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
015a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	Hair	4 Sand Gypsum
017	17	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
017a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand Gypsum
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Talc Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
018b		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand Gypsum
020	20	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
020a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
020b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite <1	NA	Vermiculite
025	25	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
026	26	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
028	28	Homogeneous	White Mastic	Asbestos Not Present	NA	Glue CaCO3 Binder
029	29	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
030	30	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
031	31	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
032	32	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
032a		Layered	Dark Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 40	Cellulose 3	CaCO3
034	34	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
035	35	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
036	36	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
037	37	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
037a		Layered	Gray Grout	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
037b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
038	38	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
038a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
038b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
039	39	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
039a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
039b		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3

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. 251883	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/06/2015	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 07/07/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	40	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
041	41	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
042	42	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
043	43	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
044	44	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
045	45	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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

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Quantem Lab No. 251883	Client: Harenda Management Group
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Date Received: 07/06/2015	1237 West Bruce St.
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Date Analyzed: 07/07/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Gayle Ooten, Analyst

7/7/2015

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

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLER BY: Name:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004.2955 P.O. Number:	
Phone: (414) 383-4800	Cell Phone:	Project Name: DNS	Project Location: Milwaukee, WI
E-mail: djacobsen@harenda.com	Date:	Project ID: 15-400-004.2955	P.O. Number:

RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 7/2/15 1700	VIA: FedEx	RECEIVED BY: <i>Judy Rowan</i>	DATE & TIME: 7/2/15 10:00
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REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>251833</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group		Color			
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	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>251883</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI
Company: Harenda Management Group		Color	
No.	Sample ID (10 Characters Max)	To Be Analyzed	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		<input type="checkbox"/>	
47		<input type="checkbox"/>	
48		<input type="checkbox"/>	
49		<input type="checkbox"/>	
50		<input type="checkbox"/>	



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 252103	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/10/2015	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 07/13/2015	Project: PTCT for 251883, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.2955

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	24	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite <0.25 400 Point Count	NA	

Gayle Ooten, Analyst

7/13/2015

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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For Lab Use Only
 Lab No. 252103
 Accept Reject

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 15-400-004.2955 P.O. Number:	
Phone: (414) 383-4800 Cell Phone:		Report Results <input checked="" type="checkbox"/> (one box) <input checked="" type="checkbox"/> Quantem Website <input type="checkbox"/> Other_email	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/9/15 15:45	email	<i>[Signature]</i>	7/10/15 8:00

REQUESTED SERVICES (Please check 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	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	24	<input checked="" type="checkbox"/>				Quantem Lab # 251883
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

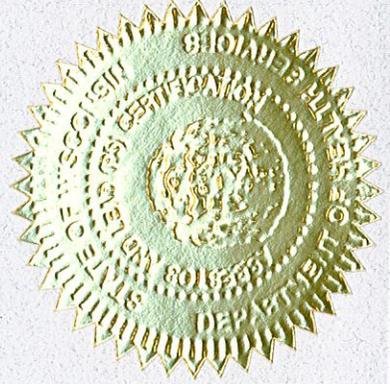
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

COPY



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
1523 West Ring 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.: 15-400-004.1523
Contract No.: 360-15-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2015

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

III. The Laboratory.....2
A. Method of Analysis

IV. Findings and Observations.....3

V. Exclusions.....7

VI. Limitations7

VII. Pre-Demolition Environmental Checklist.....8

VIII. Laboratory Results12

IX. HMG Certifications13

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1523 West Ring Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, asphalt shingle siding, paper insulation, caulk, fiberboard, linoleum, window glazing compound, drywall/joint compound, blown in insulation, flue packing, 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 survey and to analyze samples taken during the inspection.

On June 25, 2015, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 1523 West Ring 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 materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, stucco, asphalt shingle siding, paper insulation, caulk, fiberboard, linoleum, window glazing compound, drywall/joint compound, blown in insulation, flue packing, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	Exterior – north wall under fiberboard – asphalt shingle siding	Negative	MSS
1b	Exterior – north wall under asphalt shingle siding – fiberboard #2	Negative	MFB2
2a	Exterior – east wall under fiberboard – asphalt shingle siding	Negative	MSS
2b	Exterior – east wall under asphalt shingle siding – fiberboard #2	Negative	MFB2
3a	Exterior – south wall under fiberboard – asphalt shingle siding	Negative	MSS
3b	Exterior – south wall under asphalt shingle siding – fiberboard #2	Negative	MFB2
4	Exterior – north wall under fiberboard #2 – paper insulation	Negative	MPI
5	Exterior – east wall under fiberboard #2 – paper insulation	Negative	MPI
6	Exterior – south wall under fiberboard #2 – paper insulation	Negative	MPI
7	Exterior – around north door – tan caulk	Positive 5% Chrysotile	MCLKt
8	Exterior – around east window – tan caulk	Positive 6% Chrysotile	MCLKt
9	Exterior – around south window – tan caulk	Positive 5% Chrysotile	MCLKt
10	Exterior – north wall under aluminum siding – fiberboard	Negative	MFB
11	Exterior – east wall under aluminum siding – fiberboard	Negative	MFB
12	Exterior – south wall under aluminum siding – fiberboard	Negative	MFB
13	Basement – exterior – south wall – stucco	Negative	STC
14	Basement – exterior – east wall – stucco	Negative	STC
15	Basement – exterior – west wall – stucco	Negative	STC
16a	1 st floor – north bedroom closet – yellow linoleum	Negative	MFLI
16b	1 st floor – north bedroom closet – under linoleum – mastic	Negative	MFLI

Sample #	Location and Description	Results	Homogeneous Code
17	1 st floor – north bedroom – on window – glazing compound	Negative	MPG
18	2 nd floor – living room – on window – glazing compound	Negative	MPG
19	Basement – on window – glazing compound	Negative	MPG
20a	1 st floor – kitchen – center under floor tile – mastic	Negative	MFLc
20b	1 st floor – kitchen – center under mastic – cream linoleum	Negative	MFLc
20c	1 st floor – kitchen – center under linoleum – mastic	Negative	MFLc
21a	1 st floor – kitchen – north side under floor tile – mastic	Negative	MFLc
21b	1 st floor – kitchen – north side under mastic – cream linoleum	Negative	MFLc
21c	1 st floor – kitchen – north side under linoleum – mastic	Negative	MFLc
22a	1 st floor – kitchen – south side under floor tile – mastic	Negative	MFLc
22b	1 st floor – kitchen – south side under mastic – cream linoleum	Negative	MFLc
22c	1 st floor – kitchen – south side under linoleum – mastic	Negative	MFLc
23	1 st floor – south bedroom closet – top layer – tan linoleum	Negative	MFLt
24a	1 st floor – south bedroom closet – bottom layer – linoleum backing	Negative	MFLback
24b	1 st floor – south bedroom closet – bottom layer – under linoleum backing – mastic	Negative	MFLback
25a	1 st floor – bathroom – on walls – fiberboard #3	Negative	MFB3
25b	1st floor – bathroom – on walls – under fiberboard #3 – black mastic	Positive 8% Chrysotile	MWMk
26	1 st floor – bathroom – at tub – white caulk	Negative	MCLKk
27a	1 st floor – south bedroom – east wall – joint compound	Negative	MDW
27b	1 st floor – south bedroom – east wall – drywall	Negative	MDW
28a	2 nd floor – south bedroom – south wall – joint compound	Negative	MDW
28b	2 nd floor – south bedroom – south wall – drywall	Negative	MDW
29a	1 st floor – living room – south wall – joint compound	Negative	MDW
29b	1 st floor – living room – south wall – drywall	Negative	MDW
30a	2 nd floor – rear stair – on steps and landing – gold and brown linoleum	Negative	MFLdn
30b	2 nd floor – rear stair – on steps and landing – under gold and brown linoleum – tar paper	Negative	MPT
30c	2 nd floor – rear stair – on steps and landing – under tar paper – mastic	Negative	MPT
31	2nd floor – west bedroom closet – tan and gold linoleum	Positive 30% Chrysotile	MFLtd
32a	2 nd floor – west bedroom – south wall – plaster skim coat	Negative	SPI
32b	2 nd floor – west bedroom – south wall – plaster base coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
33a	2 nd floor – living room – east wall – plaster skim coat	Negative	SPI
33b	2 nd floor – living room – east wall – plaster base coat	Negative	SPI
34a	2 nd floor – north bedroom – south wall – plaster skim coat	Negative	SPI
34b	2 nd floor – north bedroom – south wall – plaster base coat	Negative	SPI
35a	1 st floor – kitchen – east wall – plaster skim coat	Negative	SPI
35b	1 st floor – kitchen – east wall – plaster base coat	Negative	SPI
36a	1 st floor – bathroom – south wall – plaster skim coat	Negative	SPI
36b	1 st floor – bathroom – south wall – plaster base coat	Negative	SPI
37	2nd floor – living room closet – green linoleum	Positive 30% Chrysotile	MFLg
38	2 nd floor – kitchen – top layer – white and blue linoleum	Negative	MFLwb
39a	2 nd floor – kitchen closet – top layer – white and blue linoleum	Negative	MFLwb
39b	2 nd floor – kitchen closet – top layer – under linoleum – mastic	Negative	MFLwb
40	2 nd floor – bathroom – top layer – white and blue linoleum	Negative	MFLwb
41a	2 nd floor – kitchen north side – 2 nd layer – white and black linoleum	Negative	MFLwk
41b	2 nd floor – kitchen north side – 3 rd layer – tar paper #2	Negative	MPT2
42a	2 nd floor – kitchen south side – 2 nd layer – white and black linoleum	Negative	MFLwk
42b	2 nd floor – kitchen south side – 3 rd layer – tar paper #2	Negative	MPT2
42c	2 nd floor – kitchen south side – 3 rd layer – under tar paper #2 – mastic	Negative	MPT2
43a	2 nd floor – bathroom – 2 nd layer – white and black linoleum	Negative	MFLwk
43b	2 nd floor – bathroom – 2 nd layer – under linoleum – mastic	Negative	MPT2
43c	2 nd floor – bathroom – 3 rd layer – tar paper #2	Negative	MPT2
44	2 nd floor – kitchen – 4 th layer – tan and beige linoleum	Negative	MFLte
45	Attic – under floor west side – blown in insulation	Negative	MBI
46	Attic – under floor center – blown in insulation	Negative	MBI
47	Attic – under floor east side – blown in insulation	Negative	MBI
48a	Basement – on chimney – flue packing top layer	Negative	TFP
48b	Basement – on chimney – flue packing 2 nd layer	Negative	TFP
48c	Basement – on chimney – flue packing bottom layer	Positive 5% Chrysotile	TFP
49	1st floor – dining room – under wood wall panels – black mastic	Positive 8% Chrysotile	MWMk2
50	2 nd floor – bathroom – under tub surround – brown mastic	Negative	MWMn

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

Material	Homogeneous Code	Location	Approximate Quantity
Tan Caulk	MCLKt	Exterior Around Doors and Windows	25 Windows & 2 Doors
Black Wall Mastic	MWMk	1 st & 2 nd Floor Bathrooms on Walls Under Fiberboard	450 Sq. Ft.
Tan & Gold Linoleum	MFLtd	2 nd Floor West Bedroom Closet	25 Sq. Ft.
Green Linoleum	MFLtg	2 nd Floor Living Room Closet	30 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.
Black Wall Mastic #2	MWMk2	1 st Floor Dining Room on Walls Under Wood Panels	500 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	420 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	200 Sq. Ft.
2 nd	Kitchen Closet	Floor Tile & Mastic	30 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STC	Stucco
MSS	Asphalt Shingle Siding
MPI	Paper Insulation
MCLKt	Tan Caulk
MCLKw	White Caulk
MFB	Fiberboard
MFB2	Fiberboard #2
MFB3	Fiberboard #3
MFLl	Yellow Linoleum
MFLc	Cream Linoleum
MFLt	Tan Linoleum
MFLback	Linoleum Backing
MFLdn	Gold & Brown Linoleum
MFLtd	Tan & Gold Linoleum
MFLg	Green Linoleum
MFLwb	White & Blue Linoleum
MFLwk	White & Black Linoleum
MFLte	Tan & Beige Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MPT	Tar Paper
MPT2	Tar Paper #2
MWMk	Black Wall Mastic
MWMk2	Black Wall Mastic #2
MWMn	Brown Wall Mastic
MBI	Blown in Insulation
TFP	Flue Packing

Note#1: The caulk, wall mastics, flue packing, and linoleums are friable and category II non-friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

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 demolition contractor.

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>5</u>	Fluorescent Lights – 1 st Floor Living Room, 2 nd Floor West 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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – 1 st Floor Living Room
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>24</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. 251657	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 06/26/2015	1237 West Bruce St.
Received By: Jeff Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Tan Siding	Asbestos Not Present	Cellulose 30	Sand Tar
001a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Layered	Brown Siding	Asbestos Not Present	Cellulose 30	Sand Tar
002a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Layered	Tan Siding	Asbestos Not Present	Cellulose 30	Sand Tar
003a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005a		Layered	Black Tar	Asbestos Not Present	NA	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	Cream Caulk	Asbestos Present Chrysotile 5	NA	Binder
008	8	Homogeneous	Cream Caulk	Asbestos Present Chrysotile 6	NA	Binder
009	9	Homogeneous	Cream Caulk	Asbestos Present Chrysotile 5	NA	Binder

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
011	11	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
012	12	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
013	13	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
014	14	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
015	15	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
016	16	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 3	Glue Binder
017	17	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
018	18	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	19	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
020	20	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
020a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Binder
021	21	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
021a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
021b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Binder
022	22	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022a		Layered	Black/Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
022b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue Binder

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Synthetic 15	Vinyl Binder
024	24	Layered	Blue Flooring	Asbestos Not Present	Cellulose 40 Synthetic 40	Binder
024a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3 Binder
025	25	Layered	White Fiberboard	Asbestos Not Present	Cellulose 85	Paint
025a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Binder
026	26	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
028	28	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
029	29	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
030	30	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 40 Synthetic 30	Tar
030b		Layered	Yellow/Gray Mastic	Asbestos Not Present	NA	Binder
031	31	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
032	32	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
032a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand CaCO3
033	33	Layered	White Skim Coat	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
033a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
034a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand CaCO3
035	35	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
035a		Layered	Gray Plaster	Asbestos Not Present	Hair	<1 Sand CaCO3
036	36	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
036a		Layered	Gray Plaster	Asbestos Not Present	Hair	<1 Sand Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
038	38	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
039	39	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
039a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
040	40	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
041	41	Layered	Black/White Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
042	42	Layered	Black/Cream Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
042a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
042b		Layered	Brown Mastic	Asbestos Not Present	Talc 20	Glue Binder
043	43	Layered	Black/Cream Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
043a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
043b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 30	Vinyl
045	45	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
046	46	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
047	47	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
048	48	Layered	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3
048a		Layered	Dark Gray Concrete	Asbestos Not Present	NA	Sand CaCO3 Binder

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Date Received: 06/26/2015	1237 West Bruce St.
Received By: Jeff Mlekush	Milwaukee, WI 53204
Date Analyzed: 07/02/2015	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 15-400-004.1523

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048b		Layered	White Texture	Asbestos Present Chrysotile 5	NA	CaCO3 Binder
049	49	Homogeneous	Black Mastic	Asbestos Present Chrysotile 8	NA	Binder
050	50	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3 Paint

Gayle Ooten, Analyst

7/2/2015

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

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (<input checked="" type="checkbox"/> one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input checked="" type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 15-400-004.1523	<input type="checkbox"/> Other email
SAMPLED BY: <i>[Signature]</i> Name:	Date:	P.O. Number:	

For Lab Use Only
 Lab No. 251657
 Accept Reject

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	6/25/15 1700	FedEx		

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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Lab No. <u>251657</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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 checked="" type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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For Lab Use Only
Lab No. <u>251657</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
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 type="checkbox"/>				
46	46	<input type="checkbox"/>				
47	47	<input type="checkbox"/>				
48	48	<input type="checkbox"/>				
49	49	<input type="checkbox"/>				
50	50	<input checked="" type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

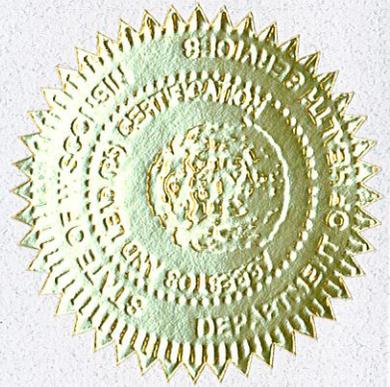
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp: 12/01/2015	12/12/1963	Male

Training due by: 12/01/2015

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