



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
3020 North 19th 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.: 14-200-042.3020
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

September 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 3020 North 19th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On September 10, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3020 North 19th 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, stucco, tar paper, transite siding, drywall/joint compound, linoleum, and blown in insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall under transite – tar paper	Negative	N/A	MPT
2	Exterior – north wall under transite – tar paper	Negative	N/A	MPT
3	Exterior – east wall under transite – tar paper	Negative	N/A	MPT
4	Exterior – west wall – transite siding	Positive 30% Chrysotile	1,600 Sq. Ft.	MTP
5	Exterior – north wall – transite siding	Positive 30% Chrysotile	Reference Sample 4	MTP
6	Exterior – east wall – transite siding	Positive 30% Chrysotile	Reference Sample 4	MTP
7a	Exterior – basement level – west wall – stucco skim coat	Negative	N/A	STC
7b	Exterior – basement level – west wall – stucco base coat	Negative	N/A	STC
8a	Exterior – basement level – north wall – stucco skim coat	Negative	N/A	STC
8b	Exterior – basement level – north wall – stucco base coat	Negative	N/A	STC
9a	Exterior – basement level – east wall – stucco skim coat	Negative	N/A	STC
9b	Exterior – basement level – east wall – stucco base coat	Negative	N/A	STC
10a	1 st floor – living room – south wall – joint compound	Negative	N/A	MDW
10b	1 st floor – living room – south wall – drywall	Negative	N/A	MDW
11a	1 st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
11b	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
12a	Attic – stair – south wall – joint compound	Negative	N/A	MDW
12b	Attic – stair – south wall – drywall	Negative	N/A	MDW
13a	Basement – ceiling – plaster skim coat	Negative	N/A	SPI
13b	1 st floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
14	Basement – west wall – plaster	Negative	N/A	SPI
15a	1 st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
15b	Basement – ceiling – plaster base coat	Negative	N/A	SPI
16	1 st floor – bathroom – under floor tile – white linoleum	Negative	N/A	MFLw
17	1 st floor – bathroom – under white linoleum – yellow linoleum	Negative	N/A	MFLI
18	Attic – stair – debris on floor – blown in insulation	Negative	N/A	MBI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19	Attic – stair – debris on floor – blown in insulation	Negative	N/A	MBI
20	Attic – stair – debris on floor – blown in insulation	Negative	N/A	MBI

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Garage	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Bathroom	Floor Tile & Mastic	40 Sq. Ft.

Homogeneous Material Code

SPI	Plaster
STC	Stucco
MPT	Tar paper
MTP	Transite
MDW	Drywall/Joint Compound
MFLw	White Linoleum
MFLI	Yellow Linoleum
MBI	Blown in 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.

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

<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> N/A </u>	Junk Auto Tires
<u> N/A </u>	Junk Vehicles

* 1 Gas Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 240897	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/15/2014	1237 West Bruce St.
Received By: Cherry Rossen	Milwaukee, WI 53204
Date Analyzed: 09/22/2014	Project: DNS
Analyzed By: Cristal Vecch	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3020

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
004	4	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
005	5	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
006	6	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
007	7	Layered	Dark Gray Stucco	Asbestos Not Present	NA	Sand CaCO3 Paint

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

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



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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3020

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
008	8	Layered	Dark Gray Stucco	Asbestos Not Present	NA	Sand CaCO3 Paint
008a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
009	9	Layered	Dark Gray Stucco	Asbestos Not Present	NA	Sand CaCO3 Paint
009a		Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum

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Analyzed By: Cristal Veech

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: 14-200-042.3020

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
013a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
014	14	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Sand CaCO3

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Received By: Cherry Rossen	Milwaukee, WI 53204
Date Analyzed: 09/22/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3020

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
016	16	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
017	17	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
017a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
019	19	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Quantem Lab No. 240897

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Date Received: 09/15/2014

Received By: Cherry Rossen

Date Analyzed: 09/22/2014

Analyzed By: Cristal Veech

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: 14-200-042.3020

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	

Cristal Veech, Analyst

9/22/2014

Date of Report

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 240897
 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: 14-200-042.3020	
SAMPLED BY: <u>[Signature]</u>	Name:	P.O. Number:	

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>9/12/14 1700</u>	VIA: <u>Fed Ex</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>9/15/14 1015</u>
-------------------------------------	----------------------------------	--------------------	---------------------------------	----------------------------------

REQUESTED SERVICES (Please check 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	Bulk- Presence / Absence EPA600/R-93/116	
<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rush
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 - Hour
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5 - Day

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>240897</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS		Project Location: Milwaukee, WI	
Company: Harenda Management Group		Color		Volume / Area (as applicable)	
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 checked="" 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

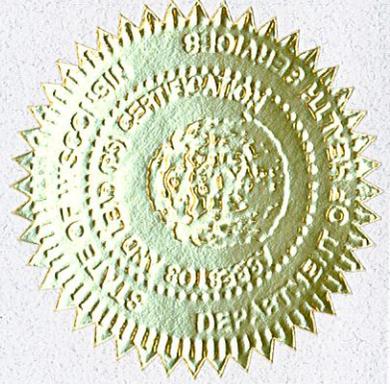
Asbestos Company - Primary

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



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2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled except where friable.
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, shingle siding, tar paper, drywall/joint compound, window glazing compound, ceiling tile, duct paper, linoleum, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall – fiberboard	Negative	N/A	MFB
2	Exterior – east wall under fiberboard – shingle siding	Negative	N/A	MSS
3	Exterior – south wall under vinyl siding – shingle siding	Negative	N/A	MSS
4	Exterior – west wall under vinyl siding – shingle siding	Negative	N/A	MSS
5	Exterior – east wall under shingle siding – tar paper	Negative	N/A	MPT
6	Exterior – south wall under shingle siding – tar paper	Negative	N/A	MPT
7	Exterior – west wall under shingle siding – tar paper	Negative	N/A	MPT
8	Exterior – on ground – drywall	Negative	N/A	MDW
9a	1 st floor – entry – north wall – joint compound	Negative	N/A	MDW
9b	1 st floor – entry – north wall – drywall	Negative	N/A	MDW
10a	1 st floor – northwest bedroom – west wall – joint compound	Negative	N/A	MDW
10b	1 st floor – northwest bedroom – west wall – drywall	Negative	N/A	MDW
11a	1 st floor – northwest bedroom – north wall – joint compound	Negative	N/A	MDW
11b	1 st floor – northwest bedroom – north wall – drywall	Negative	N/A	MDW
12	1 st floor – living room – west window – glazing compound <i>Quantity includes windows in basement & attic</i>	Positive 4% Chrysotile	63 Windows	MPG
13	2 nd floor – west bedroom – north window – glazing compound	Negative	N/A	MPG
14	Attic – west window – glazing compound	Positive 4% Chrysotile	Reference Sample 12	MPG
15	1 st floor – dining room – 1' x 1' ceiling tile	Negative	N/A	MSCT11
16	1 st floor – kitchen – 1' x 1' ceiling tile	Negative	N/A	MSCT11
17	1 st floor – bathroom – 1' x 1' ceiling tile	Negative	N/A	MSCT11

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18	1 st floor – northwest bedroom – on wall duct – duct paper	Positive 75% Chrysotile	60 Sq. Ft.	TDW
19	Basement – west side – on duct – duct paper	Positive 75% Chrysotile	Reference Sample 18	TDW
20	Basement – west side – on boot – duct paper	Positive 75% Chrysotile	Reference Sample 18	TDW
21a	1 st floor – kitchen – under floor tile and plywood – linoleum backing	Negative	N/A	MFLback
21b	1 st floor – kitchen – under linoleum backing – brown and black linoleum	Negative	N/A	MFLnk
22a	1 st floor – kitchen – under brown and black linoleum – linoleum backing #2	Negative	N/A	MFLback2
22b	1 st floor – kitchen – under linoleum backing #2 – brown linoleum	Negative	N/A	MFLn
23	1 st floor – pantry – top layer – blue linoleum	Negative	N/A	MFLb
24	1 st floor – pantry – on counter – white linoleum	Negative	N/A	MFLw
25	1 st floor – bathroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
26	2 nd floor – west bedroom – west wall – texture	Negative	N/A	STX
27a	2 nd floor – west bedroom – north wall – texture	Negative	N/A	STX
27b	2 nd floor – west bedroom – north wall – texture layer 2	Negative	N/A	STX
28	2 nd floor – west bedroom – south wall – texture	Negative	N/A	STX
29	2 nd floor – kitchen – bottom layer west side – yellow linoleum	Negative	N/A	MFLl
30a	2 nd floor – kitchen – west side under floor tile – gold linoleum <i>Quantity includes kitchen, stair, & pantry</i>	Positive 25% Chrysotile	260 Sq. Ft.	MFLd
30b	2 nd floor – kitchen – west side under gold linoleum – beige linoleum <i>Quantity includes kitchen & pantry</i>	Positive 25% Chrysotile	210 Sq. Ft.	MFLe
31	2 nd floor – stair – gold linoleum	Positive 25% Chrysotile	Reference Sample 30a	MFLd
32a	2 nd floor – kitchen – east side under floor tile – gold linoleum	Positive 25% Chrysotile	Reference Sample 30a	MFLd
32b	2 nd floor – kitchen – east side under gold linoleum – beige linoleum	Positive 25% Chrysotile	Reference Sample 30b	MFLe
33	2 nd floor – pantry – top layer – brown linoleum #2	Negative	N/A	MFLn2
34	2 nd floor – bathroom – top layer – cream linoleum	Negative	N/A	MFLc
35	2 nd floor – bathroom – on wall under wood panel – mastic	Negative	N/A	MWM
36a	2 nd floor – bathroom – bottom layer – white ceramic tile	Negative	N/A	MCTMw
36b	2 nd floor – bathroom – bottom layer – grout	Negative	N/A	MCTMw
36c	2 nd floor – bathroom – bottom layer – mortar	Negative	N/A	MCTMw
36d	2 nd floor – bathroom – bottom layer – leveling compound	Negative	N/A	MCTMw
37	Attic – west side – red linoleum	Negative	N/A	MFLr
38a	1 st floor – dining room – east wall – texture #2	Negative	N/A	STX2
38b	1 st floor – dining room – east wall – texture #2 layer 2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
39a	1 st floor – kitchen – south wall – texture #2	Negative	N/A	STX2
39b	1 st floor – kitchen – south wall – texture #2 layer 2	Negative	N/A	STX2
40a	1 st floor – dining room – west wall – texture #2	Negative	N/A	STX2
40b	1 st floor – dining room – west wall – texture #2 layer 2	Negative	N/A	STX2
41	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
42a	2 nd floor – east bedroom – west wall – plaster skim coat	Negative	N/A	SPI
42b	2 nd floor – east bedroom – west wall – plaster base coat	Negative	N/A	SPI
43	Basement – east wall – plaster	Negative	N/A	SPI
44a	2 nd floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
44b	2 nd floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
45a	Attic – stair – east wall – plaster skim coat	Negative	N/A	SPI
45b	Attic – stair – east wall – plaster base coat	Negative	N/A	SPI

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 st	Kitchens/Bathroom	Floor Tile & Mastic	600 Sq. Ft.
1 st	Pantry	Floor Mastic	25 Sq. Ft.
2 nd	Kitchens	Floor Tile & Mastic	180 Sq. Ft.
2 nd	Stair/Pantry/Bathroom	Floor Mastic	100 Sq. Ft.
Attic	Main Room/Stair	Floor Mastic	250 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MFB	Fiberboard
MSS	Shingle Siding
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MSCT11	1' x 1' Ceiling Tile
MFLnk	Brown & Black Linoleum
MFLn	Brown Linoleum
MFLb	Blue Linoleum
MFLw	White Linoleum
MFLback	Linoleum Backing
MFLback2	Linoleum Backing #2
MFLl	Yellow Linoleum
MFLd	Gold Linoleum
MFLe	Beige Linoleum
MFLn2	Brown Linoleum #2
MFLc	Cream Linoleum

Homogeneous Material Codes

MFLr	Red Linoleum
MSCT24	2' x 4' Ceiling Tile
MCTMw	White Ceramic Tile
MWM	Wall Mastic
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 & 2 Water Heaters in Basement

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

ELECTRICAL SYSTEMS – 4 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

* 2 Gas Meters 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. 236455

Account Number: B929

Date Received: 06/10/2014

Received By: William Mlekush

Date Analyzed: 06/17/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Fiberboard	Asbestos Not Present	Cellulose 90	Paint
002	2	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar Sand
003	3	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar Sand
004	4	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar Sand
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 90	Binder
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 90	Binder
007	7	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 90	Binder

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

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 236455	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 06/10/2014	1237 West Bruce St.
Received By: William Mlekush	Milwaukee, WI 53204
Date Analyzed: 06/17/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Homogeneous	Brown Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
013	13	Homogeneous	Brown Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
015	15	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
016	16	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
017	17	Homogeneous	Orange Fiberboard	Asbestos Not Present	Cellulose 90	Paint
018	18	Homogeneous	Brown Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder

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Received By: William Mlekush

Date Analyzed: 06/17/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
020	20	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
021	21	Layered	Tan Sheet Vinyl Backing	Asbestos Not Present	Cellulose 90	Binder
021a		Laycred	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
022	22	Layered	Brown Sheet Vinyl Backing	Asbestos Not Present	Cellulose 90	Binder
022a		Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
023	23	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
025	25	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
026	26	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
027	27	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
027a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
028	28	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
029	29	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl

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Date Received: 06/10/2014

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
030a		Layered	White Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
031	31	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
032	32	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
032a		Layered	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
033	33	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
034	34	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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. 236455

Account Number: B929

Date Received: 06/10/2014

Received By: William Mlekush

Date Analyzed: 06/17/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Binder
036	36	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
036a		Layered	Brown Grout	Asbestos Not Present	NA	CaCO3
036b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
036c		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
037	37	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
038	38	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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1237 West Bruce St.

Milwaukee, WI 53204

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Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
039	39	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
039a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
040	40	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
040a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
041	41	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 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. 236455

Account Number: B929

Date Received: 06/10/2014

Received By: William Mlekush

Date Analyzed: 06/17/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
042a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
043	43	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand CaCO3
044	44	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
044a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
045	45	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
045a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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

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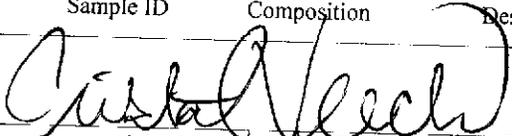
Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-042.3046

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
						
		Cristal Veech, Analyst		6/17/2014		
				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

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Lab No. 236455

Accept Reject

Report Results one box

QuanTEM Website

Other_email

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 14-200-042.3046	
SAMPLED BY: Name: <i>Dean Jacobsen</i>	Date:	P.O. Number:	

RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 6/17/14 1800	VIA: FedEx	RECEIVED BY: <i>William Miller</i>	DATE & TIME: 6/18/14 10:15AM
---------------------------------------	----------------------------------	-------------------	------------------------------------	-------------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	PLM	TEM		TEM		TURNAROUND TIME
			Air-AHERA	Air-NIOSH 7402	Bulk-Presence / Absence EPA600/R-93/116	Rush	
<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"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<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"/>	<input checked="" 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"/>				



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Lab No. <u>236455</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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



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Page 3 of 3
 For Lab Use Only
 Lab No. 236455
 Accept Reject

Project Information		Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				Do Not Test Mastic
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"/>				

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

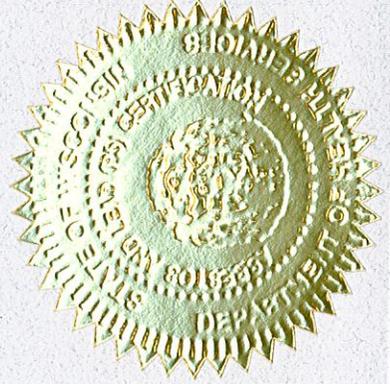
Asbestos Company - Primary

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

Damian Scott Rogowski

140 E Davis St

Beaver Dam WI 53916-2943

		185 lbs	5' 10"
II-161300	Exp: 03/19/2015	12/01/1980	Male

expiration date: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Front Dwelling
3342 North 21st 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.: 14-200-042.3342F
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

September 2014

TABLE OF CONTENTS

I. Introduction.....2

II. Building Survey2

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

IV. Findings and Observations.....3

V. Exclusions6

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 front dwelling at 3342 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, linoleum, window glazing compound, drywall/joint compound, vermiculite insulation, ceiling tile, 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 September 8, 2014 HMG conducted an asbestos inspection of a one family front dwelling, scheduled for mechanical demolition, located at 3342 North 21st 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, linoleum, window glazing compound, drywall/joint compound, vermiculite insulation, ceiling tile, and tar paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – living room – ceiling – joint compound	Negative	N/A	MFB
1b	1 st floor – living room – ceiling – fiberboard	Negative	N/A	MFB
2a	1 st floor – kitchen – ceiling north side – joint compound	Negative	N/A	MFB
2b	1 st floor – kitchen – ceiling north side – fiberboard	Negative	N/A	MFB
3a	1 st floor – kitchen – ceiling south side – joint compound	Negative	N/A	MFB
3b	1 st floor – kitchen – ceiling south side – fiberboard	Negative	N/A	MFB
4a	2 nd floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
4b	2 nd floor – stair – south wall – plaster base coat	Negative	N/A	SPI
5a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPI
5b	1 st floor – kitchen – ceiling – plaster base coat	Negative	N/A	SPI
6a	1 st floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
6b	1 st floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
6A	1 st floor – living room – north wall – plaster base coat	Negative	N/A	SPI
6B	Basement – stair – north wall – plaster base coat	Negative	N/A	SPI
8	1 st floor – living room – closet – tan and white linoleum	Positive 30% Chrysotile	35 Sq. Ft.	MFLtw
9	1 st floor – living room – on window – glazing compound	Trace <1% Chrysotile	N/A	MPG
10	2 nd floor – stair – on window – glazing compound <i>Quantity includes 5 windows under basement stair</i>	Positive 3% Chrysotile	25 Windows	MPG
11	Basement – on window – glazing compound	Negative	N/A	MPG
12	1 st floor – northwest bedroom – under carpet – tan and beige linoleum	Positive 30% Chrysotile	480 Sq. Ft.	MFLte
12A	2 nd floor – east bedroom – tan and beige linoleum	Positive 30% Chrysotile	Reference Sample 12	MFLte
12B	2 nd floor – west bedroom – under carpet – tan and beige linoleum	Positive 30% Chrysotile	Reference Sample 12	MFLte
13	1 st floor – bathroom – 5 th layer – black linoleum	Negative	N/A	MFLk
14	1 st floor – bathroom – 6 th layer – gray linoleum	Negative	N/A	MFLy

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15	2 nd floor – stair – gray and tan linoleum	Negative	N/A	MFLyt
16	1 st floor – northwest bedroom – on south wall – texture	Negative	N/A	STX
17	1 st floor – northwest bedroom – on west wall – texture	Negative	N/A	STX
18	1 st floor – northwest bedroom – on north wall – texture	Negative	N/A	STX
19	1 st floor – northwest bedroom – on ceiling – texture #2	Negative	N/A	STX2
20	2 nd floor – west bedroom – south wall – drywall	Negative	N/A	MDW
21a	2 nd floor – stair – north wall – joint compound	Negative	N/A	MDW
21b	2 nd floor – stair – north wall – drywall	Negative	N/A	MDW
22a	1 st floor – bathroom – east wall – joint compound	Negative	N/A	MDW
22b	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
23	1 st floor – kitchen – on west wall – texture #3	Negative	N/A	STX3
24	1 st floor – kitchen – on west ½ of north wall – texture #3	Negative	N/A	STX3
25	1 st floor – kitchen – on west ½ of north wall – texture #3	Negative	N/A	STX3
26	1 st floor – kitchen – on south wall – texture #4	Negative	N/A	STX4
27	1 st floor – kitchen – on east wall – texture #4	Negative	N/A	STX4
28	1 st floor – kitchen – on east ½ of north wall – texture #4	Negative	N/A	STX4
29	2 nd floor – southeast crawl space – on floor – vermiculite insulation	Positive 2% Actinolite/ Tremolite	750 Sq. Ft. See Note #4	MV1
29	POINT COUNT RESULT	Positive 4.25% Actinolite/ Tremolite	Reference Sample 29	MV1
30	2 nd floor – northeast crawl space – on floor – vermiculite insulation	Trace <1% Actinolite/ Tremolite	N/A	MV1
30	POINT COUNT RESULT	Positive 2.25% Actinolite/ Tremolite	Reference Sample 29	MV1
31	2 nd floor – southwest crawl space – on floor – vermiculite insulation	Trace <1% Actinolite/ Tremolite	N/A	MV1
31	POINT COUNT RESULT	Positive 1.25% Actinolite/ Tremolite	Reference Sample 29	MV1
32	2 nd floor – east bedroom – on center ceiling – texture #5	Negative	N/A	STX5
33	Basement – on west wall – plaster #2	Negative	N/A	SP12
34	Basement – on north wall – plaster #2	Negative	N/A	SP12
35	Basement – on south wall – plaster #2	Negative	N/A	SP12
36	1 st floor – dining room – east side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
37	1 st floor – dining room – west side – 2' x 4' ceiling tile	Negative	N/A	MSCT24

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
38	1 st floor – dining room – south side – 2' x 4' ceiling tile	Negative	N/A	MSCT24
39	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
40	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
41	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Basement	Dwelling	Asphalt Shingle Siding	30 Sq. Ft.
1 st	Entry/Living Room/Dining Room/Bathroom/Kitchen	Floor Tile & Mastic	850 Sq. Ft.
1 st	Living Room Closet/Bedroom/Stair/Bathroom	Floor & Wall Mastic	180 Sq. Ft.
2 nd	Bedrooms	Floor Mastic	430 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
STX5	Texture #5
MFB	Fiberboard
MFLtw	Tan & White Linoleum
MFLte	Tan & Beige Linoleum
MFLk	Black Linoleum
MFLy	Gray Linoleum
MFLyt	Gray & Tan Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MVI	Vermiculite Insulation
MSCT24	2' x 4' Ceiling Tile
MPT	Tar 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: Vermiculite insulation quantity includes floor under 2nd floor bedrooms.

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>1</u> | Old Thermostats – Living Room |
| <u>N/A</u> | Aquastats |
| <u>N/A</u> | Firestats |
| <u>N/A</u> | Manometers |
| <u>N/A</u> | Thermometers |

BOILERS, FURNACES, HEATERS AND TANKS – 1 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 – 2 nd Floor Crawl Space
<u>N/A</u>	Junk Vehicles

* 1 Gas Meter on Exterior

* 12 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. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Joint Compound	Asbestos Not Present	Cellulose <1 Talc 5	CaCO3
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Layered	White Skim Coat	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. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
005a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
005b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	6A	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	6B	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
009	8	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
010	9	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
011	10	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
012	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	12	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
014	12A	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	12B	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
016	13	Homogeneous	Brown Flooring	Asbestos Not Present	Cellulose 95	Binder
017	14	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 35	Tar CaCO3
018	15	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 30	Tar CaCO3
019	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	19	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
023	20	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Paint
024	21	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
024a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
025	22	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
026	23	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	24	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
028	25	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
029	26	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
030	27	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
031	28	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3 Paint
032	29	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite 2	NA	Vermiculite
033	30	Homogeneous	Gold Insulation	Asbestos Present Chrysotile <1	NA	Vermiculite

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. 241430	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/24/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/29/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342F

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
034	31	Homogeneous	Gold Insulation	Asbestos Present Chrysotile <1	NA	Vermiculite
035	32	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
036	33	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
037	34	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
038	35	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
039	36	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite

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. 241430 Client: Harenda Management Group
Account Number: B929 Dean Jacobsen
Date Received: 09/24/2014 1237 West Bruce St.
Received By: Judy Rowan Milwaukee, WI 53204
Date Analyzed: 09/29/2014 Project: DNS
Analyzed By: Gayle Ooten Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116 Project Number: 14-200-042.3342F

Table with 7 columns: Quantem Sample ID, Client Sample ID, Composition, Color / Description, Asbestos (%), Non-Asbestos Fiber (%), Non Fibrous. Rows 040-044.

Handwritten signature of Gayle Ooten, Analyst

9/29/2014
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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www.QuanTEM.com

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For Lab Use Only
 Lab No. 24/430
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 14-200-042.3342F
 P.O. Number: _____

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

RELINQUISHED BY: [Signature] DATE & TIME: 9/23/14 1800 VIA: FedEx RECEIVED BY: Judy Rowan DATE & TIME: 9/24/14 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)				TEM	TURNAROUND TIME	
PLM	PLM	TEM	TEM			
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush		
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day		
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour		
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day		
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/A-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	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	6A	<input type="checkbox"/>				
8	6B	<input type="checkbox"/>				Do Not Test/Analyze
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



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For Lab Use Only
Lab No. <u>241430</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)	Description	Volume / Area (as applicable)	Comments / Notes
11	10			
12	11			
13	12			
14	12A			
15	12B			
16	13			
17	14			
18	15			
19	16			
20	17			
21	18			
22	19			
23	20			
24	21			
25	22			
26	23			
27	24			
28	25			
29	26			
30	27			

Do Not Test Mastic



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For Lab Use Only
Lab No. <u>241 430</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
31	28	<input checked="" type="checkbox"/>				
32	29	<input type="checkbox"/>				
33	30	<input type="checkbox"/>				
34	31	<input type="checkbox"/>				
35	32	<input type="checkbox"/>				
36	33	<input type="checkbox"/>				
37	34	<input type="checkbox"/>				
38	35	<input type="checkbox"/>				
39	36	<input type="checkbox"/>				
40	37	<input type="checkbox"/>				
41	38	<input type="checkbox"/>				
42	39	<input type="checkbox"/>				
43	40	<input type="checkbox"/>				
44	41	<input checked="" 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"/>				

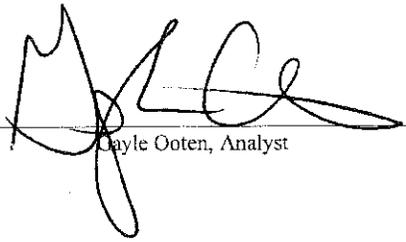


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 241665	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/29/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 09/30/2014	Project: PTCT for 241430, DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	29	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite 4.25 400 Point Count	NA	
002	30	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite 2.25 400 Point Count	NA	
003	31	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite 1.25 400 Point Count	NA	



Gayle Ooten, Analyst

9/30/2014
Date of Report

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

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For Lab Use Only
 Lab No. 241665
 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: 14-200-042.3342	
SAMPLED BY: <i>[Signature]</i>	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: 9/29/14 1430	VIA: Email	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: 9/29/14 1430
-------------------------------------	---------------------------	------------	---------------------------------	---------------------------

REQUESTED SERVICES (Please check the appropriate boxes)

	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 500/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	29	<input checked="" type="checkbox"/>			Quantem Lab #241430
2	30	<input checked="" type="checkbox"/>			
3	31	<input checked="" 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

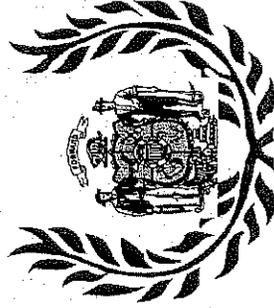
PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

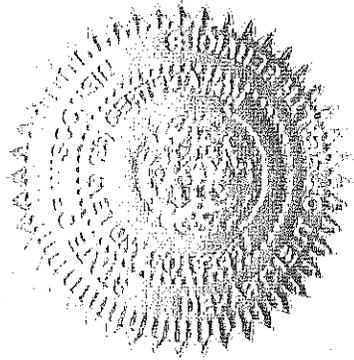
Certificate Issue Date: 09/11/2013
Expiration Date: 08/31/2015, 12:01 a.m.
Certification #: CAP-480540

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



NATIONAL DEFENSE
 HEALTH
 STATE OF MISSISSIPPI
 Dept. of Health Services

JOHN T. BROWN
 WASHINGTON, D.C. 20540
 Member W-123456789

ALL STATE	ISSUE DATE	EXPIRES	CLASS
	01/01/2000	12/31/2005	HEALTH

License No. D-123456789



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Rear Dwelling
3342A North 21st 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.: 14-200-042.3342A
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

September 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. 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 rear dwelling at 3342A North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, window glazing compound, drywall/joint compound, ceramic tile, 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 September 8, 2014 HMG conducted an asbestos inspection of a one family rear dwelling, scheduled for mechanical demolition, located at 3342A North 21st 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, texture, tar paper, window glazing compound, drywall/joint compound, ceramic tile, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall – tar paper	Negative	N/A	MPT
2	Exterior – north wall – tar paper	Negative	N/A	MPT
3	Exterior – north wall – tar paper	Negative	N/A	MPT
4	Exterior – on northeast corner window – glazing compound	Negative	N/A	MPG
5	1 st floor – living room – on window – glazing compound #2	Negative	N/A	MPG2
6	1 st floor – dining room – on window – glazing compound #2	Negative	N/A	MPG2
7	2 nd floor – west bedroom – on window – glazing compound #2	Negative	N/A	MPG2
8	1 st floor – living room – north wall – texture	Negative	N/A	STX
9	1 st floor – living room – on arch – texture	Negative	N/A	STX
10	1 st floor – dining room – on door frame – texture	Negative	N/A	STX
11a	1 st floor – dining room – east wall – joint compound	Negative	N/A	MDW
11b	1 st floor – dining room – east wall – drywall	Negative	N/A	MDW
12a	1 st floor – living room – south wall – joint compound	Negative	N/A	MDW
12b	1 st floor – living room – south wall – drywall	Negative	N/A	MDW
13a	2 nd floor – west bedroom – north wall – joint compound	Negative	N/A	MDW
13b	2 nd floor – west bedroom – north wall – drywall	Negative	N/A	MDW
14a	1 st floor – dining room – east wall – patch layer	Negative	N/A	SPI
14b	1 st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
14c	1 st floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
15a	1 st floor – living room – south wall – patch layer	Negative	N/A	SPI
15b	1 st floor – living room – south wall – patch layer #2	Negative	N/A	SPI
15c	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
15d	1 st floor – living room – south wall – plaster base coat	Negative	N/A	SPI
15e	1 st floor – living room – south wall – plaster base coat #2	Negative	N/A	SPI
16a	Basement – stair – east wall – plaster skim coat	Negative	N/A	SPI
16b	Basement – stair – east wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17	2 nd floor – storage room – west wall – plaster	Negative	N/A	SPI
18a	2 nd floor – east bedroom – north wall – plaster skim coat	Negative	N/A	SPI
18b	2 nd floor – east bedroom – north wall – plaster base coat	Negative	N/A	SPI
19a	1 st floor – bathroom floor – white and blue ceramic tile	Negative	N/A	MCTMwb
19b	1 st floor – bathroom floor – grout	Negative	N/A	MCTMwb
19c	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMwb
20a	1 st floor – kitchen – on counter – blue ceramic tile	Negative	N/A	MCTMb
20b	1 st floor – kitchen – on counter – grout	Negative	N/A	MCTMb
21	1 st floor – bathroom – on wall – tan ceramic tile	Negative	N/A	MCTMt
22	2 nd floor – closet – white and gold linoleum	Negative	N/A	MFLwd

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	850 Sq. Ft.
1 st	Dining Room/Kitchen/Stair	Floor Tile & Mastic	400 Sq. Ft.
1 st	Bathroom/Kitchen	Wall Mastic	30 Sq. Ft.
2 nd	Bedroom/Hall	Floor Tile & Mastic	170 Sq. Ft.
2 nd	Closet	Floor Mastic	40 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MPG	Glazing Compound
MPG2	Glazing Compound #2
MCTMwb	White & Blue Ceramic Tile
MCTMb	Blue Ceramic Tile
MCTMt	Tan Ceramic Tile
MDW	Drywall/Joint Compound
MFLwd	White & Gold Linoleum

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

No access to attic. 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 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

<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 Gas Meter on Exterior

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. 240887	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 09/15/2014	1237 West Bruce St.
Received By: Judy Rowan	Milwaukee, WI 53204
Date Analyzed: 09/17/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	White Window Glazing	Asbestos Not Present	Wollastonite 2	CaCO3
005	5	Homogeneous	White Window Glazing	Asbestos Not Present	Wollastonite 2	CaCO3
006	6	Homogeneous	White Window Glazing	Asbestos Not Present	Wollastonite 2	CaCO3
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	Wollastonite 2	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

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
009	9	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
010	10	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
011	11	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Tan Texture	Asbestos Not Present	NA	CaCO3
014b		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015b		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
015c		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
015d		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
016	16	Layered	Brown Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
017	17	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum 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

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Date Analyzed: 09/17/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3342A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
019	19	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Binder
019b		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
020a		Layered	Tan Grout	Asbestos Not Present	NA	CaCO3 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. 240887

Account Number: B929

Date Received: 09/15/2014

Received By: Judy Rowan

Date Analyzed: 09/17/2014

Analyzed By: Cristal Veech

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: 14-200-042.3342A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
022	22	Homogeneous	White Linoleum	Asbestos Not Present	Cellulose 30	Tar Vinyl Binder

Cristal Veech, Analyst

9/17/2014

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
LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 240887
 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**
 Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.3342A**
 P.O. Number:

RELINQUISHED BY *[Signature]* **DATE & TIME** **9/12/14 1700** **VIA** **FedEx** **RECEIVED BY** *[Signature]* **DATE & TIME** **9/15/14 10:15**

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1		<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. <u>240857</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

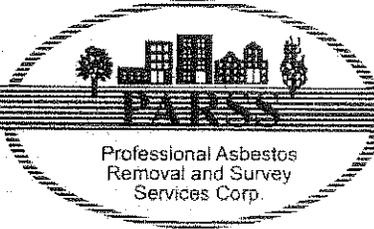
STATE OF WISCONSIN
Dept. of Health Services

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

A Safer Environment Begins Today



Est. 1988

12440 W. Robin Ln., Brookfield, WI 53005

(262) 790-9940 • Fax: (262) 790-9941
email: manager@parsscorp.com

"Continuing Our Tradition of Excellence"

August 1, 2014

Mr. Peter Schwartz
City of Milwaukee – DNS
Condemnation Division
841 N. Broadway – Room 105
Milwaukee, WI 53202

Dear Mr. Schwartz:

On June 6, 2014, Harenda Management Group performed an Asbestos Inspection on a **Building** located at **3046 N. 21st Street, Milwaukee, WI** based on the NESHAPS Pre-Demolition Protocol.

On July 29th and 30th, 2014 Professional Asbestos Removal & Survey Services Corporation (PARSS Corp.) removed and removed from the site all of those products that were outlined in our proposal dated July 22, 2014 to be removed.

You may note as indicated in our proposal, assumed Category I, Non-Friable materials still remain in the building and were not removed.

The building is ready for demolition based on the inspection report.

If you should have any questions, please feel free to contact our office.

Sincerely,

Kim Thorp
Project Manager

KT/pb

CC: Ms. Marge Piwaron – City of Milwaukee DNS

Asbestos • Mold • Lead

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

2014187

(See Reverse for Instructions)

For Disposal Site Use Only

Generator	1-A. Special Waste Profile Number ASB 31991 & 31994		NESHAP Notified <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		WSR Number 096946		Elevation _____ North _____ East _____		
	1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code) City of Milwaukee, DNS 809 N. Broadway, Milwaukee, WI 53202						1-C. Generator's Phone Number (414) 286-2503		
	1-D. Work Site Address Vacant Duplex 3046 N. 21st Street, Milwaukee, WI 53206						1-E. 24 Hour Emergency Response Telephone Number (262) 790-9940		
	2. Operator's Name and Complete Mailing Address 12440 West Robin Lane Brookfield WI 53005						Operator's Phone Number 262-790-9940		
	3. Waste Disposal Site (WDS) Name and Complete Mailing Address Orchard Edge Recycling & Landfill Facility 4024 W9955 Boundary Rd., Menomonee Falls, WI 53051						WDS Phone Number 262-753-8820		
	4. Name and Address of Responsible Agency Wisconsin Department of Natural Resources - Southeast District 3300 North Dr. Martin Luther King Jr. Dr. Milwaukee WI 53212								
	5. Description of Materials Glazing Compound, Linoleum, Paper on Ducting								
	friable asbestos <input checked="" type="checkbox"/>			RQ, NA2212, Asbestos, 9, PGIII			6. Containers No. Type		7. Total Quantity yd3
	non-friable asbestos <input checked="" type="checkbox"/>			Cat I _____ Cat II <input checked="" type="checkbox"/>			15 BA 42 DF		16 116
	8. Special Handling Instructions and Additional Information 24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED								
9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.									
Printed/Typed Name and Title Kim Thorp, Project Manager				Signature 			Date 8-6-14		
Transporter	10. Transporter 1 Company Name PAPER				Driver Signature 				
	Complete Mailing Address 12440 West Robin Lane Brookfield, WI 53005				Printed Name and Title Kim Thorp, Project Manager				
	Telephone Number (including area code) 262-790-9940				Date 8-6-14				
	11. Transporter 2 Company Name MM Milwaukee				Driver Signature 				
Complete Mailing Address 4024 W9955 Boundary Rd Menomonee Falls WI 53051				Printed Name and Title PATRICK DIGGINS-DAVIS (Ruler)					
Telephone Number (including area code) 262-251-4600				Date 07 AUG 2014					
Disposal Site	12. Discrepancy Indication Space								
	13. Waste Disposal Site Owner or Operator Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval. Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.								
Printed/Typed Name and Title Diane Ard/Hub				Signature 			Date 8-7-14		