HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Three Family Dwelling
2905 North 6th 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.: 14-200-042.2905
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2905 North 6th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 1, 2014 HMG conducted an asbestos inspection of a three family dwelling, scheduled for mechanical demolition, located at 2905 North 6th 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, crodcidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1st floor – dining room – south wall – patch layer	Negative	N/A	SPl
1b	1st floor – dining room – south wall – plaster skim coat	Negative	N/A	SPl
1c	1st floor – dining room – south wall – plaster base coat	Negative	N/A	SPl
2a	1st floor – hall – east wall – patch layer	Negative	N/A	SPl
2b	1st floor – hall – east wall – plaster skim coat	Negative	N/A	SPl
2c	1st floor – hall – east wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – apartment 2 living room – north wall – patch layer	Negative	N/A	SPl
3b	1st floor – apartment 2 living room – north wall – plaster skim coat	Negative	N/A	SPl
3c	1st floor – apartment 2 living room – north wall – plaster base coat	Negative	N/A	SPl
4a	2nd floor – apartment 3 kitchen – east wall – plaster skim coat	Negative	N/A	SPl
4b	2nd floor – apartment 3 kitchen – east wall – plaster base coat	Negative	N/A	SPl
5a	2nd floor – apartment 3 bedroom – west wall – plaster skim coat	Negative	N/A	SPl
5b	2nd floor – apartment 3 bedroom – west wall – plaster base coat	Negative	N/A	SPl
6	1st floor – dining room – north window – glazing compound	Negative	N/A	MPG
7	1st floor – bedroom – north window – glazing compound	Negative	N/A	MPG
8	Attic – west window – glazing compound	Negative	N/A	MPG
9	1st floor – hall floor – ceramic tile	Negative	N/A	MCTM
10a	1st floor – bathroom floor – grout	Negative	N/A	MCTMt
10b	1st floor – bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
11	1st floor – bathroom walls – white ceramic tile	Negative	N/A	MCTMw
12	1st floor – bathroom – 2’ x 2’ ceiling tile	Negative	N/A	MSCT22
13	1st floor – bedroom – south wall – drywall	Negative	N/A	MDW
14a	1st floor – apartment 2 bathroom – east wall – joint compound	Negative	N/A	MDW
14b	1st floor – apartment 2 bathroom – east wall – drywall	Negative	N/A	MDW
15a	Attic – west wall – joint compound	Negative	N/A	MDW
15b	Attic – west wall – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16	1st floor – dining room – north wall – texture	Negative	N/A	STX
17	1st floor – living room – west wall – texture	Negative	N/A	STX
18a	2nd floor – apartment 3 bathroom – east wall – texture	Negative	N/A	STX
18b	2nd floor – apartment 3 bathroom – east wall – texture layer 2	Negative	N/A	STX
18c	2nd floor – apartment 3 bathroom – east wall – texture layer 3	Negative	N/A	STX
19	1st floor – kitchen – gray linoleum	Negative	N/A	MFLy
20a	1st floor – kitchen on wall – black ceramic tile	Negative	N/A	MCTMk
20b	1st floor – kitchen on wall – grout	Negative	N/A	MCTMk
21	1st floor – living room – under floor tile – cream and black linoleum	Negative	N/A	MFLck
22	1st floor – living room – under cream and black linoleum – green and black linoleum	Negative	N/A	MFLgk
23	**2nd floor – apartment 3 kitchen – under 2 layers floor tile – yellow linoleum**	**Positive 25% Chrysotile**	**180 Sq. Ft.**	**MFLl**
24	**2nd floor – apartment 3 kitchen – under yellow linoleum – tan linoleum**	**Positive 25% Chrysotile**	**180 Sq. Ft.**	**MFLt**
25	2nd floor – apartment 3 hall – top layer – red linoleum	Negative	N/A	MFLr
26	**2nd floor – apartment 3 hall – bottom layer – green linoleum**	**Positive 25% Chrysotile**	**40 Sq. Ft.**	**MFLg**
27	Basement – on chimney – flue packing	Negative	N/A	TFP

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,800 Sq. Ft.
1st	Hall/Bathroom/Kitchen	Floor & Wall Mastic	300 Sq. Ft.
1st	Living Room/Bedrooms	Floor Tile & Mastic	250 Sq. Ft.
2nd	Pantry/Kitchen/Bathroom/Living Room/Bathroom	Floor Tile & Mastic	580 Sq. Ft.
2nd	Hall	Floor Mastic	40 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
STX	Texture
MPG	Glazing Compound
MCTM	Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMw	White Ceramic Tile
MCTMk	Black Ceramic Tile
MSCT22	2’ x 2’ Ceiling Tile
MDW	Drywall/Joint Compound
MFLy	Gray Linoleum
MFLck	Cream & Black Linoleum
MFLgk	Green & Black Linoleum
MFLl	Yellow Linoleum
MFLt	Tan Linoleum
MFLr	Red Linoleum

Homogeneous Material Codes

MFLg	Green Linoleum
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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:

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

N/A	Fluorescent Lights
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	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

1	Old Thermostats – 2nd Floor Living Room
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	Thermometers

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

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

ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

PCBs

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A 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. 237579
Account Number: B929
Date Received: 07/03/2014
Received By: William Mlekush
Date Analyzed: 07/09/2014
Analyzed By: Sandy Baker
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: 14-200-042.2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz
001b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz
002b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
003	3	Layered	White Texture	Asbestos Not Present	NA	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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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Quartz Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
006	6	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
008	8	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
009	9	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3
010a		Layered	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
011	11	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint

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QUANTEM LABORATORIES

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

Polarized Light Microscopy Asbestos Analysis Report

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Jolene Harenda
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
013	13	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum Paint
014	14	Layered	White Joint Compound	Asbestos Not Present	Cellulose	70	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
015	15	Layered	White Joint Compound	Asbestos Not Present	Glass Fiber	50	CaCO3 Paint
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
016	16	Homogeneous	White Texture	Asbestos Not Present	NA		CaCO3 Paint
017	17	Homogeneous	White Texture	Asbestos Not Present	NA		CaCO3 Paint

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Jolene Harenda
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2905

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 Texture	Asbestos Not Present	NA	CaCO3 Paint
018b		Layered	Light Gray Texture	Asbestos Not Present	NA	CaCO3 Paint
019	19	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5 Synthetic 5	Vinyl Foam
020	20	Homogeneous	Black Ceramic Tile	Asbestos Not Present	NA	Clay
021	21	Homogeneous	White/Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5 Synthetic 5	Vinyl Foam
022	22	Homogeneous	Black/White Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5 Synthetic 5	Vinyl Foam

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Milwaukee, WI 53204

Project: DNS
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl
024	24	Homogeneous	Tan/Brown Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl
025	25	Homogeneous	Multi-Color Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl
026	26	Homogeneous	Green Sheet Vinyl	Asbestos Present Chrysotile 25	Cellulose 5	Vinyl
027	27	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

Sandy Baker, Analyst

7/9/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 237579	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2905
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[illegible]	7/2/14 1800	FedEx	[illegible]	7/3/14 10:00AM

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				Do Not Test Mastic
10	10	☒				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 237579
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				Do Not Test Mastic
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☑				
28		☐				
29		☐				
30		☐				

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Category I Non-Friable Materials
Three Family Dwelling
2905 North 6th 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.: 14-200-042.2905CI
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible Category I Non-Friable asbestos containing materials in the dwelling at 2905 North 6th Street, Milwaukee, Wisconsin.

The inspection included floor tile, caulk, roofing, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 6, 2014, HMG conducted an asbestos inspection of a three family dwelling, scheduled for deconstruction, located at 2905 North 6th 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 Category I Non-Friable materials within the building.
2. Sampling and documentation of observable suspect materials.
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, crodcidolite, 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) included floor tile, caulk, roofing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
28	Exterior – on north window – white caulk	Negative	N/A	MCLKw
29	Exterior – on east window – white caulk	Negative	N/A	MCLKw
30	Exterior – on west window – white caulk	Negative	N/A	MCLKw
31	**Exterior – on gas meter – tan caulk**	**Positive 2% Chrysotile**	**2 Sq. Ft.**	**MCLKt**
31	**POINT COUNT RESULT**	**Positive 2% Chrysotile**	**N/A**	**MCLKt**
32a	Exterior – roof east side – black and red asphalt shingle	Negative	N/A	MRSkr
32b	Exterior – roof east side – on asphalt shingle – tar	Negative	N/A	MRSkr
33a	Exterior – roof west side – black and red asphalt shingle	Negative	N/A	MRSkr
33b	Exterior – roof west side – on asphalt shingle – tar	Negative	N/A	MRSkr
34a	Exterior – roof north side – black and red asphalt shingle	Negative	N/A	MRSkr
34b	Exterior – roof north side – on asphalt shingle – tar	Negative	N/A	MRSkr
35a	1st floor – apartment 1 bathroom – on walls – mastic	Negative	N/A	MWM
35b	1st floor – apartment 1 bathroom – on walls – panel board	Negative	N/A	MWM
36a	2nd floor – pantry – bottom layer – 12” tan floor tile	Negative	N/A	MF12t
36b	2nd floor – pantry – bottom layer – under floor tile – yellow mastic	Negative	N/A	MF12t
37a	Exterior – east side balcony roof – red asphalt shingle	Negative	N/A	MRSr
37b	Exterior – east side balcony roof – on asphalt shingle – tar	Positive 2% Chrysotile	N/A	MRSr
37b	POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MRSr
38	1st floor – apartment 2 living room – 12” blue floor tile	Negative	N/A	MF12b
39	1st floor – apartment 2 bedroom 1 – 12” black and gray floor tile	Negative	N/A	MF12ky
40	1st floor – apartment 2 bedroom 1 – 12” black and gray floor tile	Negative	N/A	MF12ky
41	1st floor – apartment 2 bedroom 2 – 12” black and gray floor tile	Negative	N/A	MF12ky

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
42	2nd floor – kitchen – top layer east side – 12" gray floor tile	Negative	N/A	MF12y
43	2nd floor – kitchen – top layer west side – 12" gray floor tile	Negative	N/A	MF12y
44	2nd floor – pantry – top layer – 12" gray floor tile	Negative	N/A	MF12y
45	2nd floor – living room – west side – 12" brown floor tile	Negative	N/A	MF12n
46	2nd floor – living room – east side – 12" brown floor tile	Negative	N/A	MF12n
47	2nd floor – living room – north side – 12" brown floor tile	Negative	N/A	MF12n
48	2nd floor – bathroom – 12" white floor tile	Negative	N/A	MF12w
49a	Exterior – balcony outside living room – top layer – black and gray asphalt shingle	Negative	N/A	MRSky
49b	Exterior – balcony outside living room – 2nd layer – brown asphalt shingle	Negative	N/A	MRSn
50a	Exterior – roof above southeast bedroom – top layer built up roofing	Negative	N/A	MRM
50b	Exterior – roof above southeast bedroom – 2nd layer built up roofing	Negative	N/A	MRM
50c	Exterior – roof above southeast bedroom – 3rd layer built up roofing	Negative	N/A	MRM
51	Exterior – under 2nd floor window frame – beige caulk	Negative	N/A	MCLKe
52	**Exterior – above west side balcony – brown asphalt shingle**	**Positive 3% Chrysotile**	**60 Sq. Ft.**	**MRSn**
52	**POINT COUNT RESULT**	**Positive 2.5% Chrysotile**	**N/A**	**MRSn**

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

Homogeneous Material Codes

MCLKw	White Caulk
MCLKt	Tan Caulk
MCLKe	Beige Caulk
MRSkr	Black & Red Asphalt Shingle
MRSky	Black & Gray Asphalt Shingle
MRSr	Red Asphalt Shingle
MRSn	Brown Asphalt Shingle
MF12n	12" Brown Floor Tile
MF12t	12" Tan Floor Tile
MF12b	12" Blue Floor Tile
MF12ky	12" Black & Gray Floor Tile
MF12y	12" Gray Floor Tile
MF12w	12" White Floor Tile
MRM	Built up Roofing
MWM	Wall Mastic

Note#1: If additional materials are discovered during deconstruction or demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractor.

V. EXCLUSIONS

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. 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. 242224
Account Number: B929

Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/13/2014
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: 14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	28	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
002	29	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
003	30	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
004	31	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
005	32	Layered	Black Tar	Asbestos Not Present	NA	Tar
005a		Layered	Red Shingle	Asbestos Not Present	Glass Fiber 20	Tar Sand
006	33	Layered	Red Shingle	Asbestos Not Present	Glass Fiber 20	Tar Sand

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. 242224
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/13/2014
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: 14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
006a		Layered	Black Tar	Asbestos Not Present	NA		Tar
007	34	Layered	Red Shingle	Asbestos Not Present	Glass Fiber	20	Tar Sand
007a		Layered	Black Tar	Asbestos Not Present	NA		Tar
008	35	Layered	White Texture	Asbestos Not Present	NA		Gypsum CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
009	36	Layered	Gray Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
009a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242224
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/13/2014
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: 14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	37	Layered	Red Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
010a		Layered	Black Tar	Asbestos Present Chrysotile 2	NA	Tar
011	38	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
011a		Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
012	39	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
013	40	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
014	41	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242224
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/13/2014
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: 14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	42	Homogeneous	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
016	43	Homogeneous	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
017	44	Homogeneous	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
018	45	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
019	46	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
020	47	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
021	48	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242224
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/13/2014
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: 14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
022	49	Layered	Gray Shingle	Asbestos Not Present	Glass Fiber	25	Tar Sand
022a		Layered	Brown Shingle	Asbestos Not Present	Glass Fiber	20	Tar Sand
023	50	Layered	Red Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
023a		Layered	Black/Brown Roofing	Asbestos Not Present	Cellulose	80	Tar
023b		Layered	Black Roofing	Asbestos Not Present	NA		Binder
024	51	Homogeneous	White Caulk	Asbestos Not Present	NA		CaCO3 Binder
025	52	Layered	Brown Roofing	Asbestos Present Chrysotile 3	NA		Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	242224	Client:	Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	10/08/2014		
Received By:	Carter Cox		
Date Analyzed:	10/13/2014	Project:	DNS
Analyzed By:	Cristal Veech	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
025a		Layered	Black Roofing	Asbestos Not Present	Glass Fiber	60	Tar

Cristal Veech, Analyst

10/13/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

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. 242224	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042-2905
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/7/14 1800	FedEx	[signature]	10/8/14 10:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	28	☒				
2	29	☐				
3	30	☐				
4	31	☐				
5	32	☐				
6	33	☐				
7	34	☐				
8	35	☐				
9	36	☐				
10	37	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 242224
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	38	☒				
12	39	☐				
13	40	☐				
14	41	☐				
15	42	☐				
16	43	☐				
17	44	☐				
18	45	☐				
19	46	☐				
20	47	☐				
21	48	☐				
22	49	☐				
23	50	☐				
24	51	☐				
25	52	☑				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242796
Account Number: B929

Date Received: 10/17/2014
Received By: Sherrie Leftwich
Date Analyzed: 10/20/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: PTCT for 242224, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2905

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	31	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2.00 400 Point Count	NA	
002	37	Homogeneous	Black Tar	Asbestos Present Chrysotile 0.50 400 Point Count	NA	
003	52	Homogeneous	Brown Roofing	Asbestos Present Chrysotile 2.50 400 Point Count	NA	

Cristal Veech, Analyst

10/20/2014
Date of Report

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 242796
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2905
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[illegible]	10/17/14 1505		S Leftwich	10/17/14 3:05

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	31	☑				Quantem Lab #242224
2	37	☑		black tar		
3	52	☑		brown roofing		
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

VIII. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

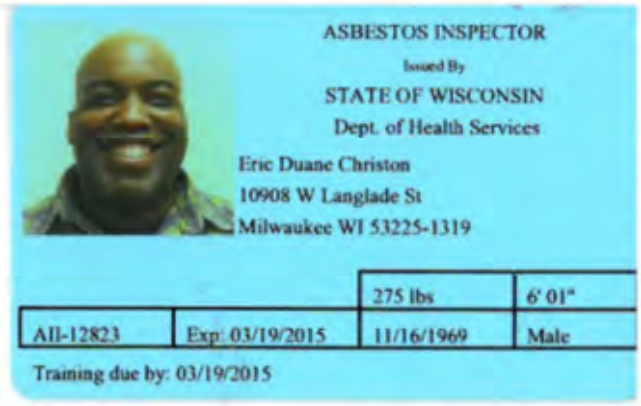
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

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HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
3032 North 7th 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.: 14-200-042.3032
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3032 North 7th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 24, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for deconstruction, located at 3032 North 7th 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.
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, crodcidolite, 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, shingle siding, paper insulation, caulk, linoleum, floor tile, ceiling tile, window glazing compound, asphalt roofing, flue packing, duct paper, drywall/joint compound, ceramic tile and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall – asphalt shingle siding	Negative	N/A	MSS
2	Exterior – east wall – asphalt shingle siding	Negative	N/A	MSS
3	Exterior – south wall – asphalt shingle siding	Negative	N/A	MSS
4	**Exterior – at doors – black caulk**	**Positive 12% Chrysotile**	**2 Doors**	**MCLKk**
5	Exterior – west wall under wood siding – tan paper insulation	Negative	N/A	MPIt
6	Exterior – south wall under wood siding – tan paper insulation	Negative	N/A	MPIt
7	Exterior – south wall under wood siding – tan paper insulation	Negative	N/A	MPIt
8	Exterior – around windows – brown caulk	Negative	N/A	MCLKn
9	1st floor – front entry – brown linoleum	Negative	N/A	MFLn
10	1st floor – pantry – top layer – 12” white and blue floor tile	Negative	N/A	MF12wb
11	1st floor – pantry – bottom layer – tan/black/blue linoleum	Negative	N/A	MFLtkb
12	1st floor – pantry – in cabinet – tan/gray/red linoleum	Negative	N/A	MFLtyr
13	1st floor – kitchen – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
14	1st floor – kitchen – linoleum backing	Negative	N/A	MFLback
15a	1st floor – stair – south wall – plaster skim coat	Negative	N/A	SPl
15b	1st floor – stair – south wall – plaster base coat	Negative	N/A	SPl
16	1st floor – east bedroom – north wall – plaster	Negative	N/A	SPl
17a	1st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPl
17b	1st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPl
18a	1st floor – pantry – south wall – plaster skim coat	Negative	N/A	SPl
18b	1st floor – pantry – south wall – plaster base coat	Negative	N/A	SPl
19	1st floor – west bedroom – east wall – plaster	Negative	N/A	SPl
20	2nd floor – kitchen – top layer – 12” tan floor tile	Negative	N/A	MF12t
21a	2nd floor – kitchen – under plywood – blue linoleum	Negative	N/A	MFLb
21b	2nd floor – kitchen – under linoleum – tan mastic	Negative	N/A	MFLb
22a	2nd floor – pantry – blue linoleum	Negative	N/A	MFLb
22b	2nd floor – pantry – under linoleum – tan mastic	Negative	N/A	MFLb
23a	2nd floor – stair landing – blue linoleum	Negative	N/A	MFLb
23b	2nd floor – stair landing – under linoleum – tan mastic	Negative	N/A	MFLb

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
24a	1st floor – dining room – ceiling – plaster #2 skim coat	Negative	N/A	SPl2
24b	1st floor – dining room – ceiling – plaster #2 base coat	Negative	N/A	SPl2
25a	1st floor – living room – ceiling – plaster #2 skim coat	Negative	N/A	SPl2
25b	1st floor – living room – ceiling – plaster #2 base coat	Negative	N/A	SPl2
26a	1st floor – front entry – ceiling – plaster #2 skim coat	Negative	N/A	SPl2
26b	1st floor – front entry – ceiling – plaster #2 base coat	Negative	N/A	SPl2
26c	1st floor – front entry – ceiling – drywall	Negative	N/A	SPl2
27	2nd floor – pantry – in cabinet – tan/green/orange linoleum	Negative	N/A	MFLtgo
28	2nd floor – pantry – in drawer – beige and red linoleum	Negative	N/A	MFLtgo
29	2nd floor – pantry – ceiling – plaster #3	Negative	N/A	SPl3
30a	2nd floor – kitchen – south wall – patch layer	Negative	N/A	SPl3
30b	2nd floor – kitchen – south wall – plaster #3	Negative	N/A	SPl3
31	2nd floor – east bedroom – north wall – plaster #3	Negative	N/A	SPl3
32	2nd floor – dining room – south wall – plaster #3	Negative	N/A	SPl3
33	2nd floor – living room – north wall – plaster #3	Negative	N/A	SPl3
34	2nd floor – kitchen – on north west wall – tan mastic	Negative	N/A	MWM
35	2nd floor – east bedroom – 18” ceiling tile	Negative	N/A	MSCT18
36	2nd floor – dining room – under wood floor – brown paper insulation	Negative	N/A	MPIn
37	2nd floor – west bedroom – under wood floor – brown paper insulation	Negative	N/A	MPIn
38	2nd floor – east bedroom – under wood floor – brown paper insulation	Negative	N/A	MPIn
39	**2nd floor – dining room – south window – glazing compound**	**Positive 3% Chrysotile**	**54 Windows**	**MPG**
39	**POINT COUNT RESULT**	**Positive 2.5% Chrysotile**	**54 Windows**	**MPG**
40	Attic – east window – glazing compound	Negative	N/A	MPG
41	1st floor – east bedroom – windows in stack – glazing compound	Negative	N/A	MPG
42	Roof – southwest – top layer – red and white asphalt shingle	Negative	N/A	MRSrw
43	Roof – northwest – top layer – red and white asphalt shingle	Negative	N/A	MRSrw
44	Roof – southeast – top layer – red and white asphalt shingle	Negative	N/A	MRSrw
45	Roof – southwest – bottom layer – brown asphalt shingle	Negative	N/A	MRSn
46	Roof – northwest – bottom layer – brown asphalt shingle	Negative	N/A	MRSn
47	Roof – southeast – bottom layer – brown asphalt shingle	Negative	N/A	MRSn

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
48	**Basement – on chimney – flue packing**	**Positive 45% Chrysotile**	**2 Sq. Ft.**	**TFP**
49	**Basement – at south side of chimney – duct paper**	**Positive 80% Chrysotile**	**See Note #3**	**TDW**
50	Basement – ceiling – drywall remnants	Negative	N/A	MDW
51a	1st floor – bathroom floor – white and black ceramic tile	Negative	N/A	MCTMwk
51b	1st floor – bathroom floor – grout	Negative	N/A	MCTMwk
52	1st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM
53a	1st floor – bathroom walls – white ceramic tile	Negative	N/A	MCTMw
53b	1st floor – bathroom walls – grout	Negative	N/A	MCTMw
53c	1st floor – bathroom walls – under ceramic tile – mortar	Negative	N/A	MCTMw
54	**1st floor – dining room – east wall – texture** ***Texture is on walls and under SPl2 ceiling in 3 rooms***	**Positive 3% Chrysotile**	**1400 Sq. Ft.**	**STX**
54	**POINT COUNT RESULT**	**Positive 2.75% Chrysotile**	**N/A**	**STX**
55a	**1st floor – living room – south wall – texture**	**Positive 3% Chrysotile**	**N/A**	**STX**
55b	1st floor – living room – south wall – texture layer 2	Negative	N/A	STX
56a	**1st floor – front entry – north wall – texture**	**Positive 3% Chrysotile**	**N/A**	**STX**
56b	1st floor – front entry – north wall – texture layer 2	Negative	N/A	STX

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
SPl2	Plaster #2
SPl3	Plaster #3
STX	Texture
MSS	Shingle Siding
MCLKn	Brown Caulk
MCLKk	Black Caulk
MPIt	Tan Paper Insulation
MPIn	Brown Paper Insulation
MFLn	Brown Linoleum
MFLtkb	Tan/Black/Blue Linoleum
MFLtyr	Tan/Gray/Red Linoleum
MFLback	Linoleum Backing
MFLb	Blue Linoleum
MFLtgo	Tan/Green/Orange Linoleum
MFLer	Beige & Red Linoleum

Homogeneous Material Codes

MF12t	12" Tan Floor Tile
MF12wb	12" White & Blue Floor Tile
MSCT11	1' x 1' Ceiling Tile
MSCT18	18" Ceiling Tile
MWM	Wall Mastic
MPG	Glazing Compound
MRSrw	Red & White Asphalt Shingle
MDW	Drywall
MCTMwk	White & Black Ceramic Tile
MCTMw	White Ceramic Tile
MCTMM	Mortar
TFP	Flue Packing
TDW	Duct Paper

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

Note#3: Duct paper observed on south side of basement chimney (8 Sq. Ft.), and on two 2 inch pipes in 1st floor bathroom west wall (20 Ln. Ft.). Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

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:

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

2	Fluorescent Lights – Kitchen, Basement
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	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

2	Old Thermostats – 1st & 2nd Floor Dining Rooms
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Electric Meters in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243267
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Siding	Asbestos Not Present	Cellulose 40	Quartz Tar
002	2	Homogeneous	Tan Siding	Asbestos Not Present	Cellulose 40	Quartz Tar
003	3	Homogeneous	Tan Siding	Asbestos Not Present	Cellulose 40	Quartz Tar
004	4	Homogeneous	Black Tar	Asbestos Present Chrysotile 12	NA	Tar
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 100	

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

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

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Polarized Light Microscopy Asbestos Analysis Report

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Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
008	8	Homogeneous	Clear Caulk	Asbestos Not Present	NA		Silicone
009	9	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose Synthetic	25 10	CaCO3 Binder
010	10	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
011	11	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose	25	CaCO3 Tar
012	12	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose	30	CaCO3 Tar
013	13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
014	14	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose	75	Binder

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QUANTEM LABORATORIES

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

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Layered	Cream Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
020	20	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
021	21	Layered	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
021a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
022	22	Layered	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar
022a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
023	23	Layered	Blue Linoleum	Asbestos Not Present	Cellulose 30	CaCO3 Tar

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Polarized Light Microscopy Asbestos Analysis Report

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1237 West Bruce St.
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Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Binder
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
026	26	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz 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. 243267
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
026b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
027	27	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar
028	28	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
029	29	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
030	30	Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
030a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243267
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
032	32	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
033	33	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
034	34	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
035	35	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
036	36	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 40 Synthetic 40	Binder

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. 243267
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 40 Synthetic 40	Binder
038	38	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 40 Synthetic 40	Binder
039	39	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
040	40	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
041	41	Homogeneous	Black Window Glazing	Asbestos Not Present	NA	CaCO3
042	42	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
043	43	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243267
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
045	45	Homogeneous	Black Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
046	46	Homogeneous	Black Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
047	47	Homogeneous	Black Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
048	48	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 45	NA	CaCO3
049	49	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 10	Binder
050	50	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243267
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
051	51	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
051a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
052	52	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
053	53	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
053a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
053b		Layered	Light Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
054	54	Homogeneous	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243267
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/30/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
055	55	Layered	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
055a		Layered	White Texture	Asbestos Not Present	Talc 5	Paint Binder
056	56	Layered	White Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
056a		Layered	White Texture	Asbestos Not Present	Talc 5	Paint Binder

Gayle Ooten, Analyst

10/30/2014
Date of Report

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

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www.QuanTEM.com

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. 243267
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.3032
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	10/24/14 1800	FedEx	Judy Rowan	10/27/14 1030

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 243267
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☐				
30	30	☒				

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For Lab Use Only
Lab No. 243247
Accept Reject

Project Information

Company: Harenda Management Group | 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	31	☒				
32	32	☐				
33	33	☐				
34	34	☐				
35	35	☐				
36	36	☐				
37	37	☐				
38	38	☐				
39	39	☐				
40	40	☐				
41	41	☐				
42	42	☐				
43	43	☐				
44	44	☐				
45	45	☐				
46	46	☐				
47	47	☐				
48	48	☐				
49	49	☐				
50	50	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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ASBESTOS CHAIN OF CUSTODY

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

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For Lab Use Only
Lab No. 243267
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	51	☑				
52	52	☐				
53	53	☐				
54	54	☐				
55	55	☐				
56	56	☑				
7		☐				
8		☐				
9		☐				
0		☐				
1		☐				
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243471
Account Number: B929
Date Received: 10/31/2014
Received By: Sherrie Leftwich
Date Analyzed: 11/01/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: PTCT for 243267, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3032

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	39	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 2.50 400 Point Count	NA	
002	54	Homogeneous	White Texture	Asbestos Present Chrysotile 2.75 400 Point Count	NA	
003	55	Homogeneous	** Texture	**	Not Analyzed	
Positive Stop						
004	56	Homogeneous	** Texture	**	Not Analyzed	
Positive Stop						

Gayle Ooten, Analyst

11/1/2014
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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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243267
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.3032
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/31/14 955	Email	[signature]	10/31/14 10:05

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	39	☑				Quantem Lab #243267
2	54	☑				Point Count Until >1%
3	55	☑				↓
4	56	☑				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

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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,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'10"
AII-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Front Dwelling
2552 North 10th 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.: 14-200-042.2552F
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the front dwelling at 2552 North 10th Street, Milwaukee, Wisconsin.

The inspection included plaster, asphalt roofing, tar paper, blown in insulation, caulk, duct paper, flue packing, floor tile, ceiling tile, linoleum, drywall/joint compound, and ceramic tile to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code.*

II. BUILDING SURVEY

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

On December 30, 2014 HMG conducted an asbestos inspection of a two family front dwelling, scheduled for deconstruction, located at 2552 North 10th 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.
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, crodcidolite, 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, asphalt roofing, tar paper, blown in insulation, caulk, duct paper, flue packing, floor tile, ceiling tile, linoleum, drywall/joint compound, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – roof – west side – asphalt shingle	Negative	N/A	MRS
2	Exterior – roof – north side – asphalt shingle	Negative	N/A	MRS
3	Exterior – roof – east side – asphalt shingle	Negative	N/A	MRS
4	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
5	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
6	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
7	Exterior – in west wall – blown in insulation	Negative	N/A	MBI
8	Exterior – in north wall – blown in insulation	Negative	N/A	MBI
9	Exterior – in east wall – blown in insulation	Negative	N/A	MBI
10	**Exterior – on north window – caulk**	**Positive 4% Chrysotile**	**43 Windows, 2 Doors**	**MCLK**
11	**Exterior – on west door – caulk**	**Positive 2% Chrysotile**	**Reference Sample 10**	**MCLK**
12	**Exterior – on east window – caulk**	**Positive 2% Chrysotile**	**Reference Sample 10**	**MCLK**
13	**Basement – east side on duct – duct paper**	**Positive 60% Chrysotile**	**35 Sq. Ft.**	**TDW**
14	**Basement – west side on duct – duct paper**	**Positive 60% Chrysotile**	**Reference Sample 13**	**TDW**
15	**Basement – center on duct – duct paper**	**Positive 60% Chrysotile**	**Reference Sample 13**	**TDW**
16	Basement – on chimney – flue packing	Negative	N/A	TFP
17a	Basement – north side – east wall – plaster skim coat	Negative	N/A	SPl
17b	Basement – north side – east wall – plaster base coat	Negative	N/A	SPl
18a	1st floor – living room – north wall – plaster skim coat	Negative	N/A	SPl
18b	1st floor – living room – north wall – plaster base coat	Negative	N/A	SPl
19a	1st floor – dining room – south wall – plaster skim coat	Negative	N/A	SPl
19b	1st floor – dining room – south wall – plaster base coat	Negative	N/A	SPl
20a	1st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPl
20b	1st floor – kitchen – west wall – plaster base coat	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21a	2nd floor – west bedroom – north wall – plaster skim coat	Negative	N/A	SPl
21b	2nd floor – west bedroom – north wall – plaster base coat	Negative	N/A	SPl
22a	2nd floor – center bedroom – west wall – plaster skim coat	Negative	N/A	SPl
22b	2nd floor – center bedroom – west wall – plaster base coat	Negative	N/A	SPl
23a	2nd floor – hall – south wall – plaster skim coat	Negative	N/A	SPl
23b	2nd floor – hall – south wall – plaster base coat	Negative	N/A	SPl
24	1st floor – foyer – 12" beige and tan floor tile	Negative	N/A	MF12et
25	2nd floor – east bedroom – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
26	2nd floor – bathroom – tan linoleum	Negative	N/A	MFLt
27	1st floor – kitchen – center – 12" tan floor tile	Negative	N/A	MF12t
28	1st floor – kitchen – north side – 12" tan floor tile	Negative	N/A	MF12t
29	1st floor – kitchen – south side – 12" tan floor tile	Negative	N/A	MF12t
30	1st floor – kitchen – north side – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
31	1st floor – kitchen – south side – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
32	2nd floor – center bedroom – 2' x 4' smooth ceiling tile	Negative	N/A	MSCT24S
33	1st floor – west bedroom – 2' x 2' ceiling tile	Negative	N/A	MSCT22
34	1st floor – center bedroom – 2' x 2' ceiling tile	Negative	N/A	MSCT22
35	1st floor – east bedroom – 2' x 2' ceiling tile	Negative	N/A	MSCT22
36	1st floor – bathroom – gray linoleum	Negative	N/A	MFLy
37a	1st floor – living room – south wall – joint compound	Negative	N/A	MDW
37b	1st floor – living room – south wall – drywall	Negative	N/A	MDW
37Ba	2nd floor – bathroom – south wall – joint compound	Negative	N/A	MDW
37Bb	2nd floor – bathroom – south wall – drywall	Negative	N/A	MDW
37Ca	2nd floor – bathroom – north wall – joint compound	Negative	N/A	MDW
37Cb	2nd floor – bathroom – north wall – drywall	Negative	N/A	MDW
38	2nd floor – stair – on landing – black and red linoleum	Negative	N/A	MFLkr
39a	2nd floor – kitchen – west side top layer – 12" tan and cream floor tile	Negative	N/A	MF12tc
39b	**2nd floor – kitchen – west side bottom layer – 9" tan and black floor tile**	**Positive 5% Chrysotile**	**190 sq. Ft.**	**MF9tk**
39c	**2nd floor – kitchen – west side bottom layer – under tan and black floor tile – black mastic**	**Positive 3% Chrysotile**	**190 sq. Ft.**	**MF9tk**
40a	2nd floor – kitchen – east side top layer – 12" tan and cream floor tile	Negative	N/A	MF12tc
40b	**2nd floor – kitchen – east side bottom layer – 9" tan and black floor tile**	**Positive 5% Chrysotile**	**Reference Sample 39b**	**MF9tk**
40c	**2nd floor – kitchen – east side bottom layer – under tan and black floor tile – black mastic**	**Positive 3% Chrysotile**	**Reference Sample 39c**	**MF9tk**

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
41a	2nd floor – pantry – top layer – 12" tan and cream floor tile	Negative	N/A	MF12tc
41b	**2nd floor – pantry - bottom layer – 9" tan and black floor tile**	**Positive 5% Chrysotile**	**Reference Sample 39b**	**MF9tk**
41c	**2nd floor – pantry – bottom layer – under tan and black floor tile – black mastic**	**Positive 2% Chrysotile**	**Reference Sample 39c**	**MF9tk**
42a	2nd floor – bathroom – on walls – tan ceramic tile	Negative	N/A	MCTMt
42b	2nd floor – bathroom – on walls – under ceramic tile – white mastic	Negative	N/A	MCTMt
42c	2nd floor – bathroom – on walls – under mastic – mortar	Negative	N/A	MCTMt
42d	2nd floor – bathroom – on walls – grout	Negative	N/A	MCTMt
43	**2nd floor – bathroom – under linoleum – 9" gray floor tile**	**Positive 5% Chrysotile**	**15 Sq. Ft.**	**MF9y**
43	2nd floor – bathroom – under gray floor tile – yellow mastic	Negative	N/A	MF9y

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 – At Chimney	Flashing	10 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MRS	Asphalt Shingle
MPT	Tar Paper
MBI	Blown in Insulation
MCLK	Caulk
MF12et	12" Beige & Tan Floor Tile
MF12t	12" Tan Floor Tile
MF12tc	12" Tan & Cream Floor Tile
MF9tk	9" Tan & Black Floor Tile
MF9y	9" Gray Floor Tile
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24S	2' x 4' Smooth Ceiling Tile
MSCT22	2' x 2' Ceiling Tile
MFLt	Tan Linoleum
MFLy	Gray Linoleum
MFLkr	Black & Red Linoleum
MDW	Drywall/Joint Compound
MCTMt	Tan Ceramic Tile
TDW	Duct Paper
TFP	Flue Packing

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

Note#2: If additional materials are discovered during deconstruction or 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 deconstruction and demolition contractors.

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

V. EXCLUSIONS

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:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

PCBs

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245228
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/02/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2552

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
002	2	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
003	3	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
004	4	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	
005	5	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	
006	6	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	
007	7	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose	100	

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008	8	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Gray Caulk	Asbestos Present Chrysotile 4	NA	CaCO3
011	11	Homogeneous	Gray Caulk	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
012	12	Homogeneous	Gray Caulk	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
013	13	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
019a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
021	21	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
021a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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022	22	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
025	25	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
026	26	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
027	27	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
028	28	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
029	29	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
030	30	Homogeneous	Yellow Ceiling Tile	Asbestos Not Present	Cellulose	70	Paint Perlite
031	31	Homogeneous	Yellow Ceiling Tile	Asbestos Not Present	Cellulose	70	Paint Perlite
032	32	Homogeneous	Yellow Ceiling Tile	Asbestos Not Present	Cellulose	70	Paint Perlite

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
033	33	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
034	34	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
035	35	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
036	36	Homogeneous	Black Sheet Vinyl	Asbestos Not Present	Cellulose	30	Vinyl
037	37	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3
037a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
038	37B	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint

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038a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
039	37C	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
039a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
040	38	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar
041	39	Layered	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
041a		Layered	Beige Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)	Non Fibrous
041b		Layered	Black Mastic	Asbestos Present Chrysotile	3	NA	Tar
042	40	Layered	Brown Floor Tile	Asbestos Not Present		NA	Vinyl CaCO3
042a		Layered	Beige Floor Tile	Asbestos Present Chrysotile	5	NA	Vinyl CaCO3
042b		Layered	Black Mastic	Asbestos Present Chrysotile	3	NA	Tar
043	41	Layered	Brown Floor Tile	Asbestos Not Present		NA	Vinyl CaCO3
043a		Layered	Beige Floor Tile	Asbestos Present Chrysotile	5	NA	Vinyl CaCO3
043b		Layered	Black Mastic	Asbestos Present Chrysotile	2	NA	Tar

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	42	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
044a		Layered	White Mastic	Asbestos Not Present	NA	Glue Paint Binder
044b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
044c		Layered	Tan Grout	Asbestos Not Present	NA	Quartz CaCO3
045	43	Layered	Brown Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
045a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	245228	Client:	Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	01/02/2015		
Received By:	Patrick Mlekush		
Date Analyzed:	01/02/2015	Project:	DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.2552

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

Gayle Ooten, Analyst

1/2/2015
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 245228	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2552
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	12/31/14/200	FedEx	[illegible]	1/2 1000

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
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For Lab Use Only
Lab No. 245228
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☐				
30	30	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 2405225
Accept Reject

Project Information

Company: Harenda Management Group | 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	31	☒				
32	32	☐				
33	33	☐				
34	34	☐				
35	35	☐				
36	36	☐				
37	37	☐				
38	37B	☐				
39	37C	☐				
40	38	☐				
41	39	☐				
42	40	☐				
43	41	☐				
44	42	☐				
45	43	☑				
46		☐				
47		☐				
48		☐				
49		☐				
50		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

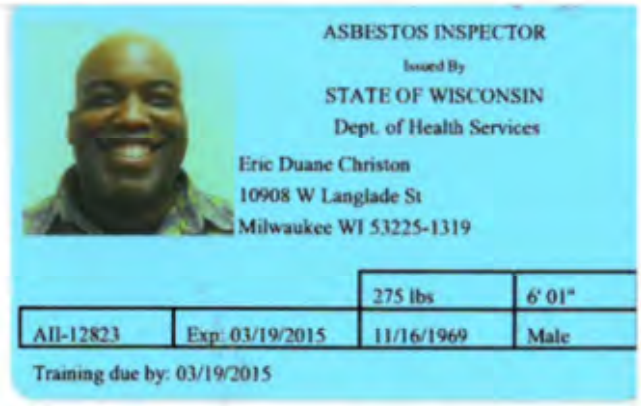
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

RECEIVED
JUN 15 2013

ASBESTOS INSPECTION REPORT
Job Site:

One Family Rear Dwelling
2552-54 North 10th 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.: 13-2000-068.2552R
Contract No.: 360-13-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
P. O. Box 511305
New Berlin, Wisconsin 53151-2105

July 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the rear dwelling at 2552-54 North 10th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, window glazing compound, joint compound patch, flue packing, tar paper, and drywall/joint compound 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 June 26, 2013, HMG conducted an asbestos inspection of a one family rear dwelling scheduled for mechanical demolition, located at 2552-54 North 10th 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 nonfriable 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, crodcidolite, 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 l, 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) plaster, texture, linoleum, window glazing compound, joint compound patch, flue packing, tar paper, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2552Ra	1st floor – kitchen – under plywood – tan linoleum	Negative	N/A	MFLt
1-2552Rb	1st floor – kitchen – under linoleum – tar paper	Negative	N/A	MPT
2-2552R	1st floor – dining room – north wall – texture	Negative	N/A	STX
3-2552R	1st floor – dining room – south wall – texture	Negative	N/A	STX
4-2552R	1st floor – bedroom – ceiling – texture	Negative	N/A	STX
5-2552Ra	Basement – stair – north wall – plaster skim coat	Negative	N/A	SPl
5-2552Rb	Basement – stair – north wall – plaster base coat	Negative	N/A	SPl
6-2552Ra	1st floor – pantry – west wall – plaster skim coat	Negative	N/A	SPl
6-2552Rb	1st floor – pantry – west wall – plaster base coat	Negative	N/A	SPl
7-2552Ra	1st floor – bedroom – south wall – plaster skim coat	Negative	N/A	SPl
7-2552Rb	1st floor – bedroom – south wall – plaster base coat	Negative	N/A	SPl
8-2552Ra	1st floor – bathroom – north wall – plaster skim coat	Negative	N/A	SPl
8-2552Rb	1st floor – bathroom – north wall – plaster base coat	Negative	N/A	SPl
9-2552Ra	1st floor – living room – east wall – plaster skim coat	Negative	N/A	SPl
9-2552Rb	1st floor – living room – east wall – plaster base coat	Negative	N/A	SPl
10-2552Ra	2nd floor – east room – south wall – joint compound	Negative	N/A	MDW
10-2552Rb	2nd floor – east room – south wall – drywall	Negative	N/A	MDW
11-2552Ra	1st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
11-2552Rb	1st floor – kitchen – east wall – drywall	Negative	N/A	MDW
12-2552Ra	1st floor – kitchen – east wall – joint compound	Negative	N/A	MDW
12-2552Rb	1st floor – kitchen – north wall – drywall	Negative	N/A	MDW
13-2552R	2nd floor – west room – south wall – texture #2	Negative	N/A	STX2
14-2552R	2nd floor – west room – north wall – texture #2	Negative	N/A	STX2
15-2552R	2nd floor – west room – east wall – texture #2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16-2552R	Basement – on windows – glazing compound	Negative	N/A	MPG
17-2552R	Basement – on chimney – flue packing	Negative	N/A	TFP
18-2552R	1st floor – bedroom – on south wall – joint compound patch	Negative	N/A	MJC
19-2552R	1st floor – bathroom – on north wall – joint compound patch	Negative	N/A	MJC
20-2552R	1st floor – front entry – on west wall – joint compound patch	Negative	N/A	MJC
21-2552R	Quality Assurance/Quality Control sample of 1-2552R	Negative	N/A	QA/QC

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
1st	Kitchen/Bathroom/Pantry	Floor Tile & Mastic	160 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX2	Texture #2
MFLt	Tan Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MJC	Joint Compound Patch
MPT	Tar Paper
TFP	Flue Packing
QA/QC	Quality Assurance/Quality Control Sample

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 & Family 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:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 223510
Account Number: B929

Date Received: 06/28/2013
Received By: Joanna Mueller
Date Analyzed: 06/28/2013
Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

Client: Harenda Management Group
Jolene Harenda
P.O. Box 511305
New Berlin, WI 53151-2105

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-068.2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2552R	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
001a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
002	2-2552R	Homogeneous	White Texture	Asbestos Not Present	Cellulose 3	Paint CaCO3
003	3-2552R	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	Paint CaCO3
004	4-2552R	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
005	5-2552R	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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Jolene Harenda
P.O. Box 511305
New Berlin, WI 53151-2105

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-068.2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6-2552R	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 7	Sand Gypsum
007	7-2552R	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose 4	Gypsum Sand Paint
008	8-2552R	Layered	White Skim Coat	Asbestos Not Present	Talc 8	CaCO3 Paint
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Sand
009	9-2552R	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 3	Gypsum Sand

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QUANTEM LABORATORIES

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 223510
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Date Received: 06/28/2013
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Client: Harenda Management Group
Jolene Harenda
P.O. Box 511305
New Berlin, WI 53151-2105

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-068.2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
010	10-2552R	Layered	White Texture	Asbestos Not Present	Cellulose	3	CaCO3
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	15	Gypsum
011	11-2552R	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
012	12-2552R	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
013	13-2552R	Homogeneous	White Texture	Asbestos Not Present	NA		CaCO3 Paint

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QUANTEM® LABORATORIES

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Polarized Light Microscopy Asbestos Analysis Report

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Client: Harenda Management Group
Jolene Harenda
P.O. Box 511305
New Berlin, WI 53151-2105

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-068.2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-2552R	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15-2552R	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	16-2552R	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
017	17-2552R	Homogeneous	Brown Plaster	Asbestos Not Present	Synthetic <1	CaCO3 Quartz
018	18-2552R	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019	19-2552R	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020	20-2552R	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

QuanTEM is a NVLAP accredited TEM and 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 other 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. 223510
Account Number: B929

Date Received: 06/28/2013
Received By: Joanna Mueller
Date Analyzed: 06/28/2013
Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

Client: Harenda Management Group
Jolene Harenda
P.O. Box 511305
New Berlin, WI 53151-2105

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-068.2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
021	21-2552R	Homogeneous	Beige Linoleum	Asbestos Not Present	Cellulose	30	Binder Tar

Jeff Mlekush, Laboratory Manager

6/28/2013
Date of Report

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

QuanTEM is a NVLAP accredited TEM and 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 other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

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ASBESTOS CHAIN OF CUSTODY

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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. 223510
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	13-2000-068.2552R
P.O. Number:	

Report Results by one box
- [ ] QuanTEM Website
- [x] Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	6/28/13 1200	FedEx	[signature]	6/28/13 10:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM
- [x] Bulk Analysis (EPA 600/R-93/116)
- [ ] 400 Point Count
- [ ] 1000 Point Count
- [ ] Gravimetric Preparation
- [ ] Particle ID

PLM
- [ ] Vermiculite Attic Insulation (EPA 600/R-04/004)
- [ ] Other

PCM
- [ ] NIOSH 7400

TEM
- [ ] Air- AHERA
- [ ] Air- NIOSH 7402
- [ ] Air- ISO 10312
- [ ] Drinking Water- EPA 100.2
- [ ] Waste Water- EPA 600/4-83-043

TEM
- [ ] Bulk- Presence / Absence EPA600/R-93/116
- [ ] Bulk- Quantitative [weight%]- Chatfield
- [ ] Dust- Presence / Absence
- [ ] Dust- Quantitative [fibers/sq.cm]- ASTM D5755
- [ ] Other

TURNAROUND TIME
- [ ] Rush
- [ ] Same Day
- [x] 24 - Hour
- [ ] 3 - Day
- [ ] 5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2552R	☒				Do Not Analyze Mastic
2	2-2552R	☐				
3	3-2552R	☐				
4	4-2552R	☐				
5	5-2552R	☐				
6	6-2552R	☐				
7	7-2552R	☐				
8	8-2552R	☐				
9	9-2552R	☐				
10	10-2552R	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Laboratory Use
Lab No. 225510
Accept Reject

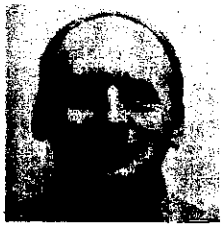
Project Information

Company: Harenda Management Group
Project Name: DNS
Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2552R	☑				Do Not Analyze Matrix
12	12-2552R	☐				
13	13-2552R	☐				
14	14-2552R	☐				
15	15-2552R	☐				
16	16-2552R	☐				
17	17-2552R	☐				
18	18-2552R	☐				
19	19-2552R	☐				
20	20-2552R	☐				
21	21-2552R	☑				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

TURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pick-Up"

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
AII-14370	Exp: 12/01/2013	12/12/1963	Male

Training due by: 12/01/2013

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Category I Non-Friable Materials
One Family Rear Dwelling
2552-54 North 10th 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.: 14-200-042.2552RCI
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. Introduction 2

II. Building Survey 2

III. The Laboratory 2
A. Method of Analysis

IV. Findings and Observations 3

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible Category I Non-Friable asbestos containing materials in the rear dwelling at 2552-54 North 10th Street, Milwaukee, Wisconsin.

The inspection included floor tile, roofing, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 6, 2014, HMG conducted an asbestos inspection of a one family rear dwelling scheduled for deconstruction, located at 2552-54 North 10th 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 Category I Non-Friable materials within the building.
2. Sampling and documentation of observable suspect materials.
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, crodcidolite, 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) included floor tile, roofing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22	Exterior – roof – northwest top layer – brown asphalt shingle	Negative	N/A	MRSn
23	Exterior – roof – northeast top layer – brown asphalt shingle	Negative	N/A	MRSn
24	Exterior – roof – southwest top layer – brown asphalt shingle	Negative	N/A	MRSn
25	Exterior – roof – northwest bottom layer – green asphalt shingle	Negative	N/A	MRSg
26	Exterior – roof – northeast bottom layer – green asphalt shingle	Negative	N/A	MRSg
27	Exterior – roof – southwest bottom layer – green asphalt shingle	Negative	N/A	MRSg
28	1st floor – kitchen – 12” tan floor tile	Negative	N/A	MF12t
29	1st floor – pantry – 12” tan floor tile	Negative	N/A	MF12t
30	1st floor – bathroom – 12” tan floor tile	Negative	N/A	MF12t

Notes: N/A = Not Applicable

Homogeneous Material Codes

MF12t	12” Tan Floor Tile
MRSn	Brown Asphalt Shingle
MRSg	Green Asphalt Shingle

Note#1: If additional materials are discovered during deconstruction or demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractor.

V. EXCLUSIONS

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. 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. 242212
Account Number: B929

Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	22	Homogeneous	Brown Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
002	23	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
003	24	Homogeneous	Brown Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
004	25	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
005	26	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
006	27	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber	20	Quartz Tar
007	28	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242212
Account Number: B929

Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-2552R

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	29	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
009	30	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

Gayle Ooten, Analyst

10/8/2014
Date of Report

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

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

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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 242212	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042-2552R
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/7/14 1800	FedEx	[signature]	10/8/14 10:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	22	☒				
2	23	☐				
3	24	☐				
4	25	☐				
5	26	☐				
6	27	☐				
7	28	☐				
8	29	☐				
9	30	☑				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

VIII. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

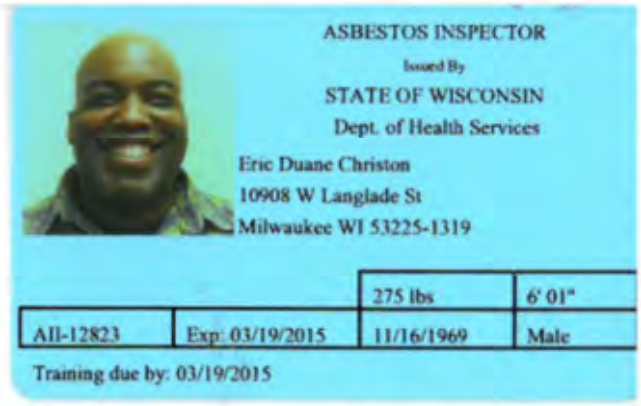
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
3234 North 11th 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.: 14-200-042.3234
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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VII. Pre-Demolition Environmental Checklist 9

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3234 North 11th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, caulk, joint compound patch, tar paper, magnesia pipe insulation, ceiling tile, linoleum, floor tile, leveling compound, drywall/joint compound, blown in insulation, asphalt roofing, flue packing, aircell insulation, boiler insulation, duct paper, ceramic tile, ceramic block, mastics, and window glazing compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 24, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for deconstruction, located at 3234 North 11th 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 buildings.
2. Sampling and documentation of observable suspect materials.
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, crodcidolite, 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, caulk, joint compound patch, tar paper, magnesia pipe insulation, ceiling tile, linoleum, floor tile, leveling compound, drywall/joint compound, blown in insulation, asphalt roofing, flue packing, aircell insulation, boiler insulation, duct paper, ceramic tile, ceramic block, mastics, and window glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – on windows – beige caulk	Negative	N/A	MCLKe
2	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
5a	2nd floor – front stair – east wall – plaster skim coat	Negative	N/A	SPl
5b	2nd floor – front stair – east wall – plaster base coat	Negative	N/A	SPl
6a	2nd floor – northwest room – north wall – patch layer	Negative	N/A	SPl
6b	2nd floor – northwest room – north wall – plaster skim coat	Negative	N/A	SPl
6c	2nd floor – northwest room – north wall – plaster base coat	Negative	N/A	SPl
7a	2nd floor – north bedroom – ceiling – plaster skim coat	Negative	N/A	SPl
7b	2nd floor – north bedroom – ceiling – plaster base coat	Negative	N/A	SPl
8a	Attic – stair – west wall – plaster skim coat	Negative	N/A	SPl
8b	Attic – stair – west wall – plaster base coat	Negative	N/A	SPl
9a	1st floor – east bedroom – east wall – plaster skim coat	Negative	N/A	SPl
9b	1st floor – east bedroom – east wall – plaster base coat	Negative	N/A	SPl
10a	1st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPl
10b	1st floor – dining room – west wall – plaster base coat	Negative	N/A	SPl
11a	2nd floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPl
11b	1st floor – front entry – south wall – plaster base coat	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
12	2nd floor – front stair – east wall – joint compound patch	Negative	N/A	MJC
13	2nd floor – northwest room – under wood wall panels – tan mastic	Negative	N/A	MWM
13A	2nd floor – dining room – under wood wall panels – tan mastic	Negative	N/A	MWM
13B	1st floor – foyer – under wood wall panels – tan mastic	Negative	N/A	MWM
14	2nd floor – northwest room – on window – glazing compound	Negative	N/A	MPG
15	Attic – on window – glazing compound	Negative	N/A	MPG
16	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
17	2nd floor – west bedroom – on west wall – plaster patch	Negative	N/A	SPlP
18	2nd floor – north bedroom – under wood floor – tar paper #2	Negative	N/A	MPT2
19	2nd floor – east bedroom – under wood floor – tar paper #2	Negative	N/A	MPT2
20	1st floor – dining room – under wood floor – tar paper #2	Negative	N/A	MPT2
21a	2nd floor – kitchen – top layer – white linoleum	Negative	N/A	MFLw
21b	2nd floor – kitchen – top layer – under linoleum - white mastic	Negative	N/A	MFLw
22	2nd floor – hall – top layer – white linoleum	Negative	N/A	MFLw
23	2nd floor – pantry – top layer – white linoleum	Negative	N/A	MFLw
24	**2nd floor – kitchen – 2nd layer – red and gray linoleum**	**Positive 25% Chrysotile**	**270 Sq. Ft.**	**MFLr**
25	**2nd floor – hall – 2nd layer – red and gray linoleum**	**Positive 25% Chrysotile**	**Reference Sample 24**	**MFLr**
26	**2nd floor – pantry – 2nd layer – red and gray linoleum**	**Positive 25% Chrysotile**	**Reference Sample 24**	**MFLr**
27a	**2nd floor – kitchen – south side under plywood – 12" brown floor tile**	**Positive 6% Chrysotile**	**180 Sq. Ft**	**MF12n**
27b	2nd floor – kitchen – south side under plywood – under floor tile - yellow mastic	Negative	N/A	MF12n
28a	**2nd floor – kitchen – north side under plywood – 12" brown floor tile**	**Positive 6% Chrysotile**	**Reference Sample 27a**	**MF12n**
28b	2nd floor – kitchen – north side under plywood – under floor tile - yellow mastic	Negative	N/A	MF12n
29a	**2nd floor – hall – under plywood – 12" brown floor tile**	**Positive 6% Chrysotile**	**Reference Sample 27a**	**MF12n**
29b	2nd floor - hall - under plywood – under floor tile - yellow mastic	Negative	N/A	MF12n
30b	2nd floor – bathroom – 12" gray and blue floor tile	Negative	N/A	MF12yb
30b	2nd floor – bathroom – under floor tile – yellow mastic	Negative	N/A	MF12yb
31	2nd floor – bathroom – at toilet – leveling compound	Negative	N/A	MLC
32	2nd floor – bathroom – under wall panel – yellow mastic	Negative	N/A	MWM2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
33a	2nd floor – bathroom – west wall – joint compound	Negative	N/A	MDW
33b	2nd floor – bathroom – west wall – drywall	Negative	N/A	MDW
34a	1st floor – bathroom – north wall – joint compound	Negative	N/A	MDW
34b	1st floor – bathroom – north wall – drywall	Negative	N/A	MDW
35a	2nd floor – west bedroom – wall patch – joint compound	Negative	N/A	MDW
35b	2nd floor – west bedroom – wall patch – drywall	Negative	N/A	MDW
36	**2nd floor – rear stair landing – bottom layer – yellow linoleum**	**Positive 25% Chrysotile**	**350 Sq. Ft.**	**MFLl**
36A	**1st floor – kitchen – under floor tile – yellow linoleum**	**Positive 25% Chrysotile**	**Reference Sample 36**	**MFLl**
36B	**1st floor – bathroom – top layer – yellow linoleum**	**Positive 25% Chrysotile**	**Reference Sample 36**	**MFLl**
37	Attic – under floor west side – blown in insulation	Negative	N/A	MBI
38	Attic – under floor center – blown in insulation	Negative	N/A	MBI
39	Attic – under floor east side – blown in insulation	Negative	N/A	MBI
40	Exterior – roof – northeast top layer – green and white asphalt shingle	Negative	N/A	MRSgw
41	Exterior – roof – northwest top layer – green and white asphalt shingle	Negative	N/A	MRSgw
42	Exterior – roof – south top layer – green and white asphalt shingle	Negative	N/A	MRSgw
43	Exterior – roof – northeast bottom layer – brown asphalt shingle	Negative	N/A	MRSn
44	Exterior – roof – northwest bottom layer – brown asphalt shingle	Negative	N/A	MRSn
45	Exterior – roof – south bottom layer – brown asphalt shingle	Negative	N/A	MRSn
46	1st floor – rear stair landing – top layer – 12” white and black floor tile	Negative	N/A	MF12wk
47	1st floor – kitchen – top layer – 12” white and black floor tile	Negative	N/A	MF12wk
48	1st floor – hall – top layer – 12” white and black floor tile	Negative	N/A	MF12wk
49a	**1st floor – kitchen – north side under plywood – 12” tan floor tile**	**Positive 4% Chrysotile**	**200 Sq. Ft.**	**MF12t**
49b	1st floor – kitchen – north side under tan floor tile – black mastic	Negative	N/A	MF12t
49c	1st floor – kitchen – north side under black mastic – tar paper #3	Negative	N/A	MF12t
49d	1st floor – kitchen – north side under tar paper #3 – brown mastic	Negative	N/A	MF12t
50a	**1st floor – kitchen – west side under plywood – 12” tan floor tile**	**Positive 4% Chrysotile**	**Reference Sample 49a**	**MF12t**
50b	1st floor – kitchen – west side under tan floor tile – black mastic	Negative	N/A	MF12t
50c	1st floor – kitchen – west side under black mastic – tar paper #3	Negative	N/A	MF12t

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
50d	1st floor – kitchen – west side under tar paper #3 – brown mastic	Negative	N/A	MF12t
51a	**1st floor – pantry – under plywood – 12" tan floor tile**	**Positive 4% Chrysotile**	**Reference Sample 49a**	**MF12t**
51b	1st floor – pantry – under tan floor tile – black mastic	Negative	N/A	MF12t
51c	1st floor – pantry – under black mastic – tar paper #3	Negative	N/A	MF12t
51d	1st floor – pantry – under tar paper #3 – brown mastic	Negative	N/A	MF12t
52	1st floor – kitchen – ceiling west side – texture	Negative	N/A	STX
53	1st floor – kitchen – ceiling north side – texture	Negative	N/A	STX
54	1st floor – front entry – ceiling – texture	Negative	N/A	STX
55	Basement – west side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
56	**Basement - on west side of chimney – white flue packing**	**Positive 5% Chrysotile**	**1 Sq. Ft.**	**TFPw**
57	**Basement – inside boiler – aircell insulation**	**Positive 90% Chrysotile**	**35 Sq. Ft.**	**TA**
58	Basement – on south boiler exterior – hard gray insulation	Negative	N/A	TBEy
59	Basement – on north side of chimney – beige flue packing	Negative	N/A	TFPe
60	Basement – on north boiler exterior – white insulation	Negative	N/A	TBEw
61	**Basement – on duct above north boiler – duct paper**	**Positive 60% Chrysotile**	**1 Sq. Ft.**	**TDW**
62	**Basement – southwest - <5" diameter magnesia pipe insulation**	**Positive 5% Chrysotile**	**25 Ln. Ft. & 130 sq. ft. of contaminated floor**	**TM5**
63a	Garage – roof – black tar	Negative	N/A	MRM
63b	Garage – roof – black built up roofing	Negative	N/A	MRM
64a	Garage – roof – east side – brown ceramic tile	Negative	N/A	MCTMn
64b	Garage – roof – east side – on ceramic tile – mortar	Negative	N/A	MCTMn
65a	Garage – ceiling – ceramic block	Negative	N/A	MCB
65b	Garage – ceiling – grout	Negative	N/A	MCB
65c	Garage – ceiling – mortar	Negative	N/A	MCB

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling-At Chimney	Flashing	10 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
SPlP	Plaster Patch
STX	Texture
MCLKe	Beige Caulk
MPT	Tar Paper
MPT2	Tar Paper #2
MJC	Joint Compound Patch
MWM	Wall Mastic
MWM2	Wall Mastic #2
MPG	Glazing Compound
MFLl	Yellow Linoleum
MFLw	White Linoleum
MFLr	Red Linoleum
MF12n	12” Brown Floor Tile
MF12yb	12” Gray & Blue Floor Tile
MF12wk	12” White & Black Floor Tile
MF12t	12” Tan Floor Tile
MLC	Leveling Compound
MBI	Blown in Insulation
MRSgw	Green & White Asphalt Shingle
MRSn	Brown Asphalt Shingle
MSCT11	1’ x 1’ Ceiling Tile
MRM	Built up Roofing
MCTMn	Brown Ceramic Tile
MCB	Ceramic Block
TFPw	White Flue Packing
TFPe	Beige Flue Packing
TBEy	Gray Exterior Boiler Insulation
TBEw	White Exterior Boiler Insulation
TDW	Duct Paper
TS	Aircell Insulation
TM5	<5” Diameter Magnesia Pipe Insulation

Note#1: If additional materials are discovered during deconstruction or demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

Note#3: Additional magnesia may be within walls and ceilings.

V. EXCLUSIONS

Garage floor covered with garbage and furniture. 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:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES**, HEATERS** AND TANKS – 2 Boilers & 2 Water Heaters in Basement

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

N/A	Hazardous Waste
2	Oil Tanks – Basement
N/A	Well Abandonment
N/A	Junk Auto Tires
N/A	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. 243260
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Caulk	Asbestos Not Present	NA	Paint Binder
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	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
005a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Layered	Tan Texture	Asbestos Not Present	NA	Gypsum Paint

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006a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
006b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
007a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
008a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
010a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Homogeneous	White Texture	Asbestos Not Present	NA	Gypsum Perlite
013	13	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	13A	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue
015	13B	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue
016	14	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	$CaCO_3$
017	15	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	$CaCO_3$
018	16	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	$CaCO_3$
019	17	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
020	18	Homogeneous	Black Insulation	Asbestos Not Present	Cellulose 90	Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
021	19	Homogeneous	Black Insulation	Asbestos Not Present	Cellulose	90	Binder
022	20	Homogeneous	Black Insulation	Asbestos Not Present	Cellulose	90	Binder
023	21	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
023a		Layered	White Mastic	Asbestos Not Present	NA		Glue
024	22	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
025	23	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
026	24	Homogeneous	Red Sheet Vinyl	Asbestos Present Chrysotile 25	NA		Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	25	Homogeneous	Red Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
028	26	Homogeneous	Red Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
029	27	Layered	Tan Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
029a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
030	28	Layered	Tan Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
030a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
031	29	Layered	Tan Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3

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Client: Harenda Management Group
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
032	30	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
033	31	Homogeneous	Tan Leveling Compound	Asbestos Not Present	NA	CaCO3
034	32	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
035	33	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
035a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	34	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
036a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
037	35	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
037a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
038	36	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
039	36A	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
040	36B	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
041	37	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber	100	
042	38	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber	100	
043	39	Homogeneous	Gray Insulation	Asbestos Not Present	Glass Fiber	100	
044	40	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
045	41	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
046	42	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
047	43	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose	30	Tar Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	44	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
049	45	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
050	46	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
051	47	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
052	48	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
053	49	Layered	Beige Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3
053a		Layered	Black Mastic	Asbestos Not Present	NA	Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
053c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
054	50	Layered	Tan Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3
054a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
054b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
054c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
055	51	Layered	Tan Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
055a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
055b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
055c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
056	52	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
057	53	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
058	54	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
059	55	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 98	Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
060	56	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose 20	CaCO3
061	57	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 90	NA	Binder
062	58	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
063	59	Homogeneous	Dark Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
064	60	Homogeneous	Gray Insulation	Asbestos Not Present	Wollastonite 80	CaCO3
065	61	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	NA	Gypsum
066	62	Homogeneous	White Insulation	Asbestos Present Chrysotile 25	NA	Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
067	63	Layered	Black Tar	Asbestos Not Present	NA	Tar
067a		Layered	Black Roofing	Asbestos Not Present	Synthetic 60	Tar
068	64	Layered	Brown Flooring	Asbestos Not Present	NA	Sand Binder
068a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
069	65	Layered	Red Brick	Asbestos Not Present	NA	Clay Binder
069a		Layered	Tan Leveling Compound	Asbestos Not Present	NA	CaCO3
069b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	Sand CaCO3

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

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QUANTEM LABORATORIES

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243260
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
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: 14-200-042.3234

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

Cristal Veech, Analyst

10/29/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243260
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.3234
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/24/14 1800	FedEx	Judy Rawan	10/27/14 10:30

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
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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. 243260
Accept Reject

Project Information		
Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	13A	☐				
15	13B	☐				
16	14	☐				
17	15	☐				
18	16	☐				
19	17	☐				
20	18	☐				
21	19	☐				
22	20	☐				
23	21	☐				
24	22	☐				
25	23	☐				
26	24	☐				
27	25	☐				
28	26	☐				
29	27	☐				
30	28	☑				

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For Lab Use Only
Lab No. 243260
Accept Reject

Project Information

Company: Harenda Management Group | 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	29	☑				
32	30	☑				
33	31	☑				
34	32	☑				
35	33	☑				
36	34	☑				
37	35	☑				
38	36	☑				
39	36A	☑				
40	36B	☑				
41	37	☑				
42	38	☑				
43	39	☑				
44	40	☑				
45	41	☑				
46	42	☑				
47	43	☑				
48	44	☑				
49	45	☑				
50	46	☑				

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For Lab Use Only
Lab No. 243260
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	47	☒				
52	48	☐				
53	49	☐				
54	50	☐				
55	51	☐				
56	52	☐				
57	53	☐				
58	54	☐				
59	55	☐				
60	56	☐				
61	57	☐				
62	58	☐				
63	59	☐				
64	60	☐				
65	61	☐				
66	62	☐				
67	63	☐				
68	64	☐				
69	65	☑				
0		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'10"
AII-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

One Family Dwelling
3324 North 12th Street
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-042.3324
Contract No.: 360-14-0745

Eric Christon

Eric Christon
Asbestos Inspector No. AII – 12823

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3324 North 12th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite, tar paper, caulk, flue packing, window glazing compound, ceramic tile, floor tile, leveling compound, fiberboard, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

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 December 30, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for deconstruction, located at 3324 North 12th 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.
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, crodcidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as

determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, transite, tar paper, caulk, flue packing, window glazing compound, ceramic tile, floor tile, leveling compound, fiberboard, and mastics. 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 siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under transite siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under transite siding – tar paper	Negative	N/A	MPT
4	**Exterior – west wall – transite siding**	**Positive 25% Chrysotile**	**3,000 Sq. Ft.**	**MTP**
5	**Exterior – north wall – transite siding**	**Positive 25% Chrysotile**	**Reference Sample 4**	**MTP**
6	**Exterior – east wall – transite siding**	**Positive 25% Chrysotile**	**Reference Sample 4**	**MTP**
7	Exterior – on east window – caulk	Trace <1% Chrysotile	N/A	MCLK
8	**Exterior – on north window – caulk**	**Positive 3% Chrysotile**	**34 Windows**	**MCLK**
9	**Exterior – on west window – caulk**	**Positive 5% Chrysotile**	**Reference Sample 8**	**MCLK**
10	Basement – on chimney – flue packing	Negative	N/A	TFP
11	1st floor – living room – north all – plaster	Negative	N/A	SPl
12a	1st floor – dining room – east wall – plaster skim coat	Trace <1% Chrysotile	N/A	SPl
12a	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	SPl
12b	1st floor – living room – north wall – plaster base coat	Negative	N/A	SPl
13a	2nd floor – living room – south wall – patch layer	Negative	N/A	SPl
13b	1st floor – back entry – west wall – plaster skim coat	Negative	N/A	SPl
14	2nd floor – northeast bedroom – south wall – plaster	Negative	N/A	SPl
15a	2nd floor – northwest bedroom – east wall – plaster skim coat	Negative	N/A	SPl
15b	2nd floor – northwest bedroom – east wall – plaster base coat	Negative	N/A	SPl
16	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
17	1st floor – dining room – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18	2nd floor – northwest bedroom – on window – glazing compound	Negative	N/A	MPG
19	1st floor – bathroom – on wall – white ceramic tile	Negative	N/A	MCTMw
19	1st floor – bathroom – on wall – under ceramic tile – mastic	Negative	N/A	MCTMw
20a	1st floor – kitchen floor – top layer – black and white ceramic tile	Negative	N/A	MCTMkw
20b	1st floor – kitchen floor – top layer – under ceramic tile – mortar	Negative	N/A	MCTMkw
20c	1st floor – kitchen floor – top layer – grout	Negative	N/A	MCTMkw
21a	1st floor – hall floor – top layer – black and white ceramic tile	Negative	N/A	MCTMkw
21b	1st floor – hall floor – top layer – grout	Negative	N/A	MCTMkw
22a	2nd floor – bathroom floor – black and white ceramic tile	Negative	N/A	MCTMkw
22b	2nd floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMkw
22c	2nd floor – bathroom floor – grout	Negative	N/A	MCTMkw
23a	1st floor – kitchen – west side – bottom layer – 12” tan and black floor tile	Negative	N/A	MF12tk
23b	1st floor – kitchen – west side – bottom layer – under floor tile – mastic	Negative	N/A	MF12tk
24a	1st floor – kitchen – east side – bottom layer – 12” tan and black floor tile	Negative	N/A	MF12tk
24b	1st floor – kitchen – east side – bottom layer – under floor tile – mastic	Negative	N/A	MF12tk
25a	1st floor – hall – bottom layer – 12” tan and black floor tile	Negative	N/A	MF12tk
25b	1st floor – hall – bottom layer – under floor tile – mastic	Negative	N/A	MF12tk
26	2nd floor – bathroom floor – under mortar – leveling compound	Negative	N/A	MLC
26	2nd floor – bathroom floor – under leveling compound – fiberboard	Negative	N/A	MFB
27a	**2nd floor – kitchen – 9” gray floor tile**	**Positive 3% Chrysotile**	**150 Sq. Ft.**	**MF9y**
27b	2nd floor – kitchen – under floor tile – mastic	Negative	N/A	MF9y

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-At Chimney	Flashing	10 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MTP	Transite
MPT	Tar Paper
MCLK	Caulk
MPG	Glazing Compound

Homogeneous Material Codes

MCTMw	White Ceramic Tile
MCTMkw	Black & White Ceramic Tile
MFB	Fiberboard
MLC	Leveling Compound
MF12tk	12" Tan & Black Floor Tile
MF9y	9" Gray Floor Tile
TFP	Flue Packing

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

Note#2: If additional materials are discovered during deconstruction or 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 deconstruction and demolition contractors.

V. EXCLUSIONS

Roof not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS – 2 Electric Meters on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

N/A	Hazardous Waste
2	Oil Tanks – Basement
N/A	Well Abandonment
1	Junk Auto Tires – Exterior
N/A	Junk Vehicles

VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

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 20	Tar
003	3	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
005	5	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
006	6	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
007	7	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile <1	Cellulose 3	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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
009	9	Homogeneous	Black/Gray Caulk	Asbestos Present Chrysotile 5	Cellulose <1	Tar CaCO3
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	Gray Plaster	Asbestos Present Chrysotile <1	NA	Quartz CaCO3

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	19	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
019b		Layered	White Skim Coat	Asbestos Not Present	Talc 3	CaCO3 Paint
019c		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	20	Layered	White/Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
020b		Layered	Beige Grout	Asbestos Not Present	NA	Quartz CaCO3
021	21	Layered	Black/Brown Ceramic Tile	Asbestos Not Present	NA	Clay
021a		Layered	White Grout	Asbestos Not Present	NA	Quartz CaCO3
022	22	Layered	Black/Brown Ceramic Tile	Asbestos Not Present	NA	Clay
022a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
022b		Layered	White Grout	Asbestos Not Present	NA	Quartz 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. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
023	23	Layered	Beige Floor Tile	Asbestos Not Present	Cellulose	5	Vinyl CaCO3
023a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
024	24	Layered	Beige Floor Tile	Asbestos Not Present	Cellulose	5	Vinyl CaCO3
024a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
025	25	Layered	Beige Floor Tile	Asbestos Not Present	Cellulose	5	Vinyl CaCO3
025a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245223
Account Number: B929
Date Received: 01/02/2015
Received By: Patrick Mlekush
Date Analyzed: 01/05/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
026a		Layered	Tan Wallboard	Asbestos Not Present	Cellulose 75	Gypsum
027	27	Layered	Gray Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
027a		Layered	Black Mastic	Asbestos Not Present	Cellulose 3	Tar

Gayle Ooten, Analyst

1/5/2015
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 245223	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.3324
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12/31/14 1700	FedEx	[signature]	1/2 1000

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☑				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 245223
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☑				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☑				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245263
Account Number: B929
Date Received: 01/06/2015
Received By: Sherrie Leftwich
Date Analyzed: 01/06/2015
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: PTCT for 245223, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3324

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	12	Homogeneous	Gray Plaster	Asbestos Present Chrysotile 0.75 400 Point Count	NA	

Gayle Ooten, Analyst

1/6/2015
Date of Report

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

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

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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. 245263
Accept Reject

Contact Information			
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (☑ one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	☑ QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3324	☐ Other email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	1/5/15 1620	Email	S Lufficia	1/6/15 8:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	12	☑		gray plaster		Quantem Lab # 245223
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

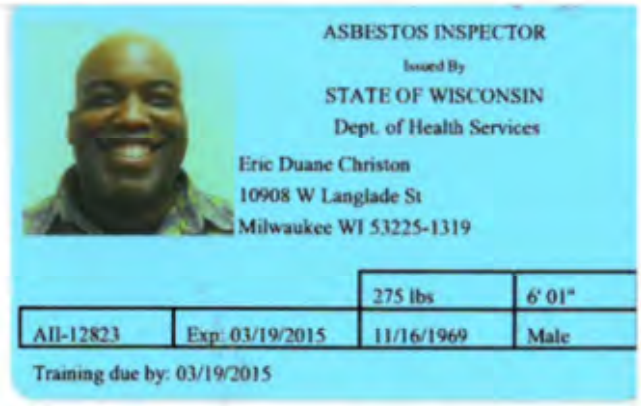
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2107-09 North 15th 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.: 14-200-042.2107
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2107-09 North 15th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, duct paper, and drywall/joint compound 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 July 24, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2107-09 North 15th 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, crodcidolite, 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, duct paper, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4a	1st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPl
4b	1st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPl
5a	1st floor – living room – north wall – plaster skim coat	Negative	N/A	SPl
5b	1st floor – living room – north wall – plaster base coat	Negative	N/A	SPl
6a	1st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPl
6b	1st floor – dining room – west wall – plaster base coat	Negative	N/A	SPl
6c	1st floor – dining room – west wall – plaster skim coat #2	Negative	N/A	SPl
6d	1st floor – dining room – west wall – plaster base coat #2	Negative	N/A	SPl
7a	1st floor – bathroom – west wall – plaster skim coat	Trace <1% Chrysotile	N/A	SPl
7a	POINT COUT RESULT	Trace <0.25% Chrysotile	N/A	SPl
7b	1st floor – bathroom – west wall – plaster base coat	Negative	N/A	SPl
8a	2nd floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPl
8b	2nd floor – kitchen – east wall – plaster base coat	Negative	N/A	SPl
9	2nd floor – dining room – north wall – plaster	Negative	N/A	SPl
10a	2nd floor – living room – south wall – plaster skim coat	Negative	N/A	SPl
10b	2nd floor – living room – south wall – plaster base coat	Negative	N/A	SPl
11a	1st floor – kitchen – south wall – texture	Negative	N/A	STX
11b	1st floor – kitchen – south wall – texture layer 2	Negative	N/A	STX
11c	1st floor – kitchen – south wall – texture layer 3	Negative	N/A	STX
12a	1st floor – living room – north wall – texture	Negative	N/A	STX
12b	1st floor – living room – north wall – texture layer 2	Negative	N/A	STX
13a	1st floor – dining room – west wall – texture	Negative	N/A	STX

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
13b	1st floor – dining room – west wall – texture layer 2	Negative	N/A	STX
14a	1st floor – bathroom – west wall – texture	Negative	N/A	STX
14b	1st floor – bathroom – west wall – texture layer 2	Positive 2% Chrysotile	N/A	STX
14b	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	STX
15	2nd floor – kitchen – east wall – texture	Negative	N/A	STX
16	2nd floor – dining room – north wall – texture	Negative	N/A	STX
17a	2nd floor – living room – south wall – texture	Negative	N/A	STX
17b	2nd floor – living room – south wall – texture layer 2	Negative	N/A	STX
18	1st floor – kitchen – south wall – drywall	Negative	N/A	MDW
19a	1st floor – south wall – plaster patch	Negative	N/A	SPlP
19b	1st floor – south wall – drywall	Negative	N/A	SPlP
20	**2nd floor – living room – on duct – duct paper** ***Duct paper observed on 1st and 2nd floor ducts***	**Positive 80% Chrysotile**	**60 Sq. Ft.**	**TDW**

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	1,000 Sq. Ft.
1st	Entry/Foyer/Pantry	Floor Tile & Mastic	150 Sq. Ft.
1st	Kitchen/Bathroom/Bedroom	Floor Tile & Mastic	300 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
SPlP	Plaster Patch
STX	Texture
MPT	Tar Paper
MDW	Drywall
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:

N/A	Air Conditioners (roof top, room, and central)
N/A	Dehumidifiers
N/A	Heat Pumps
1	**Refrigerators**, Freezers, Chillers – 2nd Floor Kitchen
N/A	Vending Machines, Food Display Cases
N/A	Walk-in Coolers
N/A	Water Fountains (bubblers)
N/A	Fire Extinguishers (both portable and installed HALON suppression systems)
N/A	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

N/A	Fluorescent Lights
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	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

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Electric Meters on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 30 Gallons Paint 1st Floor, 5 Gallons Paint in Attic
* 2 Gas Meters 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. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

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	Brown Paper	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose 90	Binder
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
004a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
006b		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
006c		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
007	7	Layered	White Texture	Asbestos Present Chrysotile <1	NA	Gypsum CaCO3
007a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	Hair 2	Sand Gypsum
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
010a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand Gypsum
011	11	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum
011b		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
013	13	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Light Gray Plaster	Asbestos Present Chrysotile 2	NA	Gypsum
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	17	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018	18	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
019	19	Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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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. 238591
Account Number: B929
Date Received: 07/25/2014
Received By: Judy Rowan
Date Analyzed: 07/29/2014
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: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
020a		Layered	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 5	Binder

Cristal Veech, Analyst

7/29/2014
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 238591	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2107
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	7/24/14 1800	FedEx	Judy Rawan	7/25/14 9:50

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 238591
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☑				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238808
Account Number: B929

Date Received: 07/30/2014
Received By: Sherrie Leftwich
Date Analyzed: 07/31/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS, PT CT for 238591
Project Location: Milwaukee, WI
Project Number: 14-200-042.2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	7	Homogeneous	White Texture	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
002	14	Homogeneous	Light Gray Plaster	Asbestos Present Chrysotile 0.75 400 Point Count	NA	

Gayle Ooten, Analyst

7/31/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 238808
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2107
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	7/30/14 1405	Email	S Leftwich	7/30/14 3:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	7	☑		white texture		Quantem Lab #238591
2	14	☑		light gray plaster		
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Category I Non-Friable Materials
Two Family Dwelling
2107-09 North 15th 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.: 14-200-042.2107CI
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible Category I Non-Friable asbestos containing materials in the dwelling at 2107-09 North 15th Street, Milwaukee, Wisconsin.

The inspection included floor tile, caulk, roofing, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 6, 2014, HMG conducted an asbestos inspection of a two family dwelling scheduled for deconstruction, located at 2107-09 North 15th 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 Category I Non-Friable materials within the building.
2. Sampling and documentation of observable suspect materials.
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, crodcidolite, 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) included floor tile, caulk, roofing, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21a	1st floor – entry – top layer – 12" white floor tile	Negative	N/A	MF12w
21b	1st floor – entry – top layer – under white floor tile – yellow mastic	Negative	N/A	MF12w
22a	**1st floor – entry – 2nd layer – 12" tan floor tile** ***Quantity includes 1st floor entry & foyer, 2nd floor kitchen & bedroom***	**Positive 4% Chrysotile**	**350 Sq. Ft.**	**MF12t**
22b	1st floor – entry – 2nd layer – under tan floor tile – black/yellow mastic	Negative	N/A	MF12t
22Ba	**2nd floor – bedroom – 12" tan floor tile**	**Positive 4% Chrysotile**	**Reference Sample 22**	**MF12t**
22Bb	2nd floor – bedroom – under tan floor tile – black/yellow mastic	Negative	N/A	MF12t
22Ca	**2nd floor – kitchen – 2nd layer – 12" tan floor tile**	**Positive 4% Chrysotile**	**Reference Sample 22**	**MF12t**
22Cb	2nd floor – kitchen – 2nd layer – under tan floor tile – black/yellow mastic	Negative	N/A	MF12t
23	1st floor – at pantry – 12" cream floor tile	Negative	N/A	MF12c
24	Exterior – on doors and windows – white caulk	Negative	N/A	MCLKw
25	2nd floor – kitchen – top layer west side – 12" black floor tile	Negative	N/A	MF12k
26	2nd floor – kitchen – top layer east side – 12" black floor tile	Negative	N/A	MF12k
27	2nd floor – bathroom – 12" black floor tile	Negative	N/A	MF12k
28	Exterior – roof – asphalt shingle	Negative	N/A	MRS
29	Exterior – roof – asphalt shingle	Negative	N/A	MRS
30	Exterior – roof – asphalt shingle	Negative	N/A	MRS
31	**Exterior – roof – black flashing**	**Positive 10% Chrysotile**	**5 Sq. Ft.**	**MRF**

Notes: N/A = Not Applicable

Homogeneous Material Codes

MF12w	12" White Floor Tile
MF12t	12" Tan Floor Tile
MF12c	12" Cream Floor Tile
MF12k	12" Black Floor Tile
MCLKw	White Caulk
MRS	Asphalt Shingle
MRF	Flashing

Note#1: If additional materials are discovered during deconstruction or demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractor.

V. EXCLUSIONS

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. 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. 242210
Account Number: B929

Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	21	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
001a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
002	22	Layered	Beige Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3
002a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Glue Tar
003	22B	Layered	Beige Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3
003a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Glue Tar
004	22C	Layered	Beige Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl 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.

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242210
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Glue Tar
005	24	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone
006	25	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
007	26	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
008	27	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
009	28	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
010	29	Homogeneous	Black Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar

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. 242210
Account Number: B929
Date Received: 10/08/2014
Received By: Carter Cox
Date Analyzed: 10/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042-2107

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	30	Homogeneous	Black Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
012	31	Homogeneous	Black Tar	Asbestos Present Chrysotile 10	NA	Tar
013	23	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

Gayle Ooten, Analyst

10/8/2014
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.

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 242210	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042-2107
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/7/14 1800	FedEx	[signature]	10/8/14 10:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	21	☑				
2	22	☐				
3	22B	☐				
4	22C	☐				
5	24	☐				
6	25	☐				
7	26	☐				
8	27	☐				
9	28	☐				
10	29	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 242210	
Accept	Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	30	☒				
12	31	☒				
13	23	☐				
14		☐				
15		☐				
16		☐				
17		☐				
18		☐				
19		☐				
20		☐				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

VIII. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

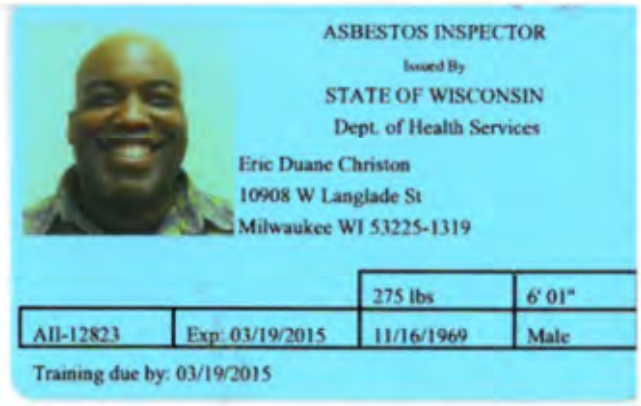
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2652 North 24th Place
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.: 14-200-042.2652
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2652 North 24th Place Street, Milwaukee, Wisconsin.

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

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 December 18, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for deconstruction, located at 2652 North 24th Place, 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.
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, crodcidolite, 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, tar paper, fiberboard, floor tile, flue packing, window glazing compound, ceramic tile, drywall, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – west wall – fiberboard	Negative	N/A	MFB
5	Basement – east side – 12” white and blue floor tile	Negative	N/A	MF12wb
6	Basement – on chimney – flue packing	Negative	N/A	TFP
7	1st floor – living room – north wall – plaster	Negative	N/A	SPl
8	1st floor – dining room – west wall – plaster	Negative	N/A	SPl
9	2nd floor – dining room – south wall – plaster	Negative	N/A	SPl
10	2nd floor – living room – north wall – plaster	Negative	N/A	SPl
11	2nd floor – kitchen – west wall – plaster	Negative	N/A	SPl
12	**1st floor – porch – on window – glazing compound**	**Positive 3% Chrysotile**	**41 Windows**	**MPG**
12	**POINT COUNT RESULT**	**Positive 2.75% Chrysotile**	**N/A**	**MPG**
13	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
14	2nd floor – living room – on window – glazing compound	Trace <1% Chrysotile	N/A	MPG
15	1st floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
16a	1st floor – center bedroom – east wall patch – joint compound	Negative	N/A	MDW
16b	1st floor – center bedroom – east wall patch – drywall	Negative	N/A	MDW
17a	1st floor – kitchen top layer – 12” white and pink floor tile	Negative	N/A	MF12wp
17b	1st floor – kitchen bottom layer – 12” gray floor tile	Negative	N/A	MF12y
17c	1st floor – kitchen bottom layer – under gray floor tile – mastic	Negative	N/A	MF12y
18a	1st floor – hall top layer – 12” white and pink floor tile	Negative	N/A	MF12wp
18b	1st floor – hall bottom layer – 12” gray floor tile	Negative	N/A	MF12y
19a	1st floor – back hall top layer – 12” white and pink floor tile	Negative	N/A	MF12wp
19b	1st floor – back hall bottom layer – 12” gray floor tile	Negative	N/A	MF12y

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20	2nd floor – kitchen – 12" black floor tile	Negative	N/A	MF12k
21	2nd floor – back hall – 12" tan and red floor tile	Negative	N/A	MF12tr
22	Roof – north side – asphalt shingle	Negative	N/A	MRS
23a	Roof – south side – asphalt shingle	Negative	N/A	MRS
23b	Roof – south side – asphalt shingle layer 2	Negative	N/A	MRS
24a	Roof – west side – asphalt shingle layer 2	Negative	N/A	MRS
24b	Roof – west side – asphalt shingle	Negative	N/A	MRS
25	Exterior – at east window – cream caulk	Negative	N/A	MCLKc
26	Exterior – at west window – cream caulk	Negative	N/A	MCLKc
27	Exterior – at north window – cream caulk	Negative	N/A	MCLKc
28	Exterior – at west side door – white caulk	Negative	N/A	MCLKw
29	Exterior – at front door – beige caulk	Negative	N/A	MCLKe
30	Exterior – at north center window – white caulk #2	Negative	N/A	MCLKw2

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPT	Tar Paper
MFB	Fiberboard
MF12wb	12" White & Blue Floor Tile
MF12wp	12" White & Pink Floor Tile
MF12y	12" Gray Floor Tile
MF12k	12" Black Floor Tile
MF12tr	12" Tan & Red Floor Tile
MPG	Glazing Compound
MCTMw	White Ceramic Tile
MDW	Drywall
MRS	Asphalt Shingle
MCLKc	Cream Caulk
MCLKw	White Caulk
MCLKw2	White Caulk #2
MCLKe	Beige Caulk
TFP	Flue Packing

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

V. EXCLUSIONS

1st floor east bedroom not accessible. No access to attic. 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:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS - 2 Breaker Boxes in Basement

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

PCBs

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244910
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2652

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	Brown Fiberboard	Asbestos Not Present	Cellulose	100	
005	5	Homogeneous	Gray Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	Wollastonite	60	CaCO3
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA		Quartz 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244910
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
009	9	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
011	11	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
012	12	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Binder

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

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QuanTEM LABORATORIES
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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244910
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
015	15	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
016	16	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
017	17	Layered	Cream Linoleum	Asbestos Not Present	Cellulose 30	Vinyl CaCO3
017a		Layered	Gray Flooring	Asbestos Not Present	Cellulose 45 Synthetic 45	Binder

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244910
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
018a		Layered	Gray Flooring	Asbestos Not Present	Cellulose 30	CaCO3 Binder
019	19	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
019a		Layered	Gray Flooring	Asbestos Not Present	Cellulose 25	CaCO3 Binder
020	20	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
021	21	Homogeneous	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	244910	Client:	Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	12/19/2014		
Received By:	Judy Rowan		
Date Analyzed:	12/19/2014	Project:	DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.2652

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

Gayle Ooten, Analyst

12/22/2014
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 244910	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2652
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	12/18/14 1800	FedEx	Judy Raven	12/19/14 10:45

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☒				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. _____
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☑				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☑				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244950
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/23/2014
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: 14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	22	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
002	23	Layered	Green/Red Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
002a		Layered	Green/White Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
003	24	Layered	Black/White Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
003a		Layered	Green/White Shingle	Asbestos Not Present	Cellulose	30	Tar Sand
004	25	Homogeneous	White Caulk	Asbestos Not Present	NA		CaCO3 Binder
005	26	Homogeneous	White Caulk	Asbestos Not Present	NA		CaCO3 Binder

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244950
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/23/2014
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: 14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	27	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
007	28	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
008	29	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
009	30	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder

Cristal Veech
Cristal Veech, Analyst

12/23/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 244950	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2652
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	12/19/14 1700	FedEx	[illegible]	12/22 1030

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	22	☑				
2	23	☐				
3	24	☐				
4	25	☐				
5	26	☐				
6	27	☐				
7	28	☐				
8	29	☐				
9	30	☑				
10		☐				

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	245022	Client:	Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	12/23/2014		
Received By:	Sherrie Leftwich		
Date Analyzed:	12/23/2014	Project:	PTCT for 244910, DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.2652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	12	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 2.75 400 Point Count	NA	

Gayle Ooten, Analyst

12/23/2014
Date of Report

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 244022
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2652
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12/22/14 1500	Email	S Leftwich	12/23/14 8:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	12	☑				Quantem Lab # 244910
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

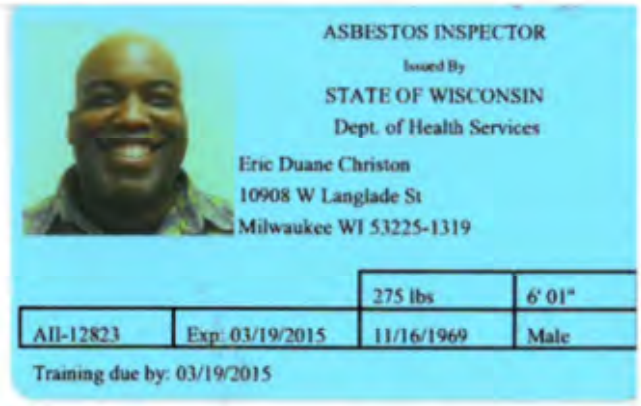
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2656 North 24th Place
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.: 14-200-042.2656-24
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2656 North 24th Place Street, Milwaukee, Wisconsin.

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

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 December 18, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for deconstruction, located at 2656 North 24th Place, 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.
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, crodcidolite, 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, tar paper, paper insulation, fiberboard, duct paper, flue packing, linoleum, window glazing compound, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – west wall under wood siding – tar paper	Negative	N/A	MPT
2	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
3	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
4	Exterior – north wall under aluminum siding – paper insulation	Negative	N/A	MPI
5	Exterior – west wall under aluminum siding – paper insulation	Negative	N/A	MPI
6	Exterior – south wall under aluminum siding – paper insulation	Negative	N/A	MPI
7	Exterior – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
8	Exterior – west wall under aluminum siding – fiberboard	Negative	N/A	MFB
9	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
10	**Basement – north side on ducts – duct paper**	**Positive 60% Chrysotile**	**35 Sq. Ft.**	**TDW**
11	**Basement – near doorway on ducts – duct paper**	**Positive 60% Chrysotile**	**Reference Sample 10**	**TDW**
12	**Basement – south side near furnace – duct paper**	**Positive 60% Chrysotile**	**Reference Sample 10**	**TDW**
13a	Basement – on chimney – white flue packing	Negative	N/A	TFP
13b	Basement – on chimney – gray flue packing	Negative	N/A	TFP
14a	1st floor – kitchen – south wall – texture	Negative	N/A	SPl
14b	1st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPl
14c	1st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPl
15a	1st floor – living room – west wall – texture	Negative	N/A	SPl
15b	1st floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
15c	1st floor – living room – west wall – plaster base coat	Negative	N/A	SPl
16a	1st floor – dining room – east wall – texture	Negative	N/A	SPl
16b	1st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPl
16c	1st floor – dining room – east wall – plaster base coat	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17a	2nd floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPl
17b	2nd floor – kitchen – east wall – plaster base coat	Negative	N/A	SPl
18a	2nd floor – bedroom – north wall – plaster skim coat	Negative	N/A	SPl
18b	2nd floor – bedroom – north wall – plaster base coat	Negative	N/A	SPl
19	1st floor – bathroom – tan linoleum	Negative	N/A	MFLt
20	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
21	1st floor – bedroom – on window – glazing compound	Negative	N/A	MPG
22	2nd floor – living room – on window – glazing compound	Negative	N/A	MPG
23	1st floor – bathroom – wall patch – drywall	Negative	N/A	MDW
24	2nd floor – kitchen – top layer west side – beige linoleum	Negative	N/A	MFLt
25	2nd floor – kitchen – top layer east side – beige linoleum	Negative	N/A	MFLt
26	2nd floor – pantry – top layer – beige linoleum	Negative	N/A	MFLt
27a	2nd floor – kitchen – 2nd layer west side – yellow linoleum	Negative	N/A	MFLl
27b	2nd floor – kitchen – bottom layer west side – tan and beige linoleum	Negative	N/A	MFLte
27c	2nd floor – kitchen – bottom layer west side – under tan and beige linoleum	Negative	N/A	MFLte
28a	2nd floor – kitchen – 2nd layer east side – yellow linoleum	Negative	N/A	MFLl
28b	2nd floor – kitchen – bottom layer east side – tan and beige linoleum	Negative	N/A	MFLte
29	2nd floor – pantry – bottom layer – yellow linoleum	Negative	N/A	MFLl
30	**2nd floor – bathroom – gold linoleum**	**Positive 25% Chrysotile**	**40 Sq. Ft.**	**MFLd**
31a	1st floor – hall – 12” tan floor tile	Negative	N/A	MF12t
31b	1st floor – hall – under tan floor tile – mastic	Negative	N/A	MF12t
32a	1st floor – kitchen – 12” tan floor tile	Negative	N/A	MF12t
32b	1st floor – kitchen – under tan floor tile – mastic	Negative	N/A	MF12t
33a	1st floor – pantry – 12” tan floor tile	Negative	N/A	MF12t
33b	1st floor – pantry – under tan floor tile – mastic	Negative	N/A	MF12t
34	Roof – north side – asphalt shingle	Negative	N/A	MRS
35	Roof – west side – asphalt shingle	Negative	N/A	MRS
36	Roof – south side – asphalt shingle	Negative	N/A	MRS
37	Exterior – near west window on siding – beige caulk	Trace <1% Chrysotile	N/A	MCLKe
37	POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MCLKe
38	Exterior – near south window on siding – beige caulk	Negative	N/A	MCLKe
39	Exterior – near front door on siding – beige caulk	Negative	N/A	MCLKe
40	**Exterior – on west window– brown caulk**	**Positive 3% Chrysotile**	**32 Windows & 2 Doors**	**MCLKn**

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
41	**Exterior – on east window– brown caulk**	**Positive 3% Chrysotile**	**N/A**	**MCLKn**
42	**Exterior – on west door– brown caulk**	**Positive 3% Chrysotile**	**N/A**	**MCLKn**

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPT	Tar Paper
MPI	Paper Insulation
MFB	Fiberboard
MFLt	Tan Linoleum
MFLe	Beige Linoleum
MFLl	Gold Linoleum
MFLte	Tan & Beige Linoleum
MFLe	Beige Linoleum
MPG	Glazing Compound
MF12t	12” Tan Floor Tile
MDW	Drywall
MRS	Asphalt Shingle
MCLKe	Beige Caulk
MCLKn	Brown Caulk
TDW	Duct Paper
TFP	Flue Packing

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

Note#3: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

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:

N/A	Air Conditioners (roof top, room, and central)
N/A	Dehumidifiers
N/A	Heat Pumps
N/A	Refrigerators, Freezers, Chillers
N/A	Vending Machines, Food Display Cases
N/A	Walk-in Coolers
N/A	Water Fountains (bubblers)
1	Fire Extinguishers (both **portable** and installed HALON suppression systems) – 1st Floor Dining Room
N/A	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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS - 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters on Exterior

VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244904
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2656

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	Black/Brown Tar Paper	Asbestos Not Present	Cellulose	50	Tar Foil
005	5	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose	50	Tar Foil
006	6	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose	50	Tar Foil
007	7	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose	100	

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
011	11	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
012	12	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
015	15	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
015b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
016b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
020	20	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
022	22	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
023	23	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
024	24	Homogeneous	Brown Flooring	Asbestos Not Present	NA	Vinyl Foam

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
025	25	Homogeneous	Brown Flooring	Asbestos Not Present	NA		Vinyl Foam
026	26	Homogeneous	Brown Flooring	Asbestos Not Present	NA		Vinyl Foam
027	27	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose	30	Vinyl
027a		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Synthetic	15 15	Vinyl
027b		Layered	Brown Mastic	Asbestos Not Present	NA		Glue
028	28	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose	30	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028a		Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
029	29	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
030	30	Homogeneous	Tan Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
031	31	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
032	32	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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033	33	Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
033a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Gayle Ooten, Analyst

12/19/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

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. 244904	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2656
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

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Dean Jacobsen	12/18/14 1800	FedEx	Judy Rowan	12/19/14 10:45

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☑				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

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Lab No. 244904
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Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☐				
30	30	☑				

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 244904
Accept Reject

Project Information

Company: Harenda Management Group | 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	31	☒				
32	32	☐				
33	33	☑				
34		☐				
35		☐				
36		☐				
37		☐				
38		☐				
39		☐				
40		☐				
41		☐				
42		☐				
43		☐				
44		☐				
45		☐				
46		☐				
47		☐				
48		☐				
49		☐				
50		☐				

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244958
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/22/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2656

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	34	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
002	35	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
003	36	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
004	37	Homogeneous	Beige Caulk	Asbestos Present Chrysotile <1	Talc	5	CaCO3
005	38	Homogeneous	Beige Caulk	Asbestos Not Present	Talc	5	CaCO3
006	39	Homogeneous	Beige Caulk	Asbestos Not Present	Talc	5	CaCO3
007	40	Homogeneous	Beige Caulk	Asbestos Present Chrysotile 3	Talc	3	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.

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244958
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/22/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2656

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)	Non Fibrous
008	41	Homogeneous	Black Caulk	Asbestos Present Chrysotile	15	NA	Tar CaCO3
009	42	Homogeneous	Black Caulk	Asbestos Present Chrysotile	15	NA	Tar CaCO3

Gayle Ooten, Analyst

12/22/2014
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. 244958	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2656
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

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[signature]	12/19/14 1700	FedEx	[signature]	12/22 1030

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	34	☑				
2	35	☐				
3	36	☐				
4	37	☐				
5	38	☐				
6	39	☐				
7	40	☐				
8	41	☐				
9	42	☑				
10		☐				

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 245023
Account Number: B929
Date Received: 12/23/2014
Received By: Sherrie Leftwich
Date Analyzed: 12/23/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: PTCT for 244958, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2656

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	37	Homogeneous	Beige Caulk	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Gayle Ooten, Analyst

12/23/2014
Date of Report

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

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Lab No. 245023
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2656
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12/23/14 1240	Email	Shaftwich	12/23/14 12:40

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	37	☒				244958
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

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IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

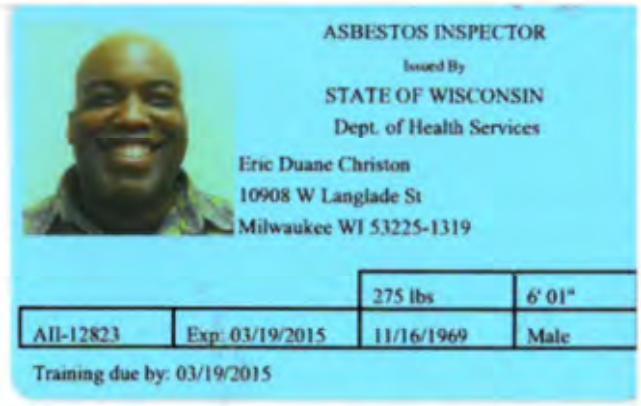
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
3124 North 27th 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.: 14-200-042.3124
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3124 North 27th Street, Milwaukee, Wisconsin.

The inspection included plaster, paper insulation, blown in insulation, caulk, laminate flooring, linoleum, window glazing compound, floor tile, duct paper, joint compound patch, asphalt roofing, tar paper, stair tread, flue packing, fire brick, drywall/joint compound, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 24, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for deconstruction, located at 3124 North 27th 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.
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, crodcidolite, 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, paper insulation, blown in insulation, caulk, laminate flooring, linoleum, window glazing compound, floor tile, duct paper, joint compound patch, asphalt roofing, tar paper, stair tread, flue packing, fire brick, drywall/joint compound, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north wall under aluminum siding – silver paper insulation	Negative	N/A	MPIs
2	Exterior – west wall under aluminum siding – silver paper insulation	Negative	N/A	MPIs
3	Exterior – east wall under aluminum siding – silver paper insulation	Negative	N/A	MPIs
4	Exterior – in north wall – blown in insulation	Negative	N/A	MBI
5	Exterior – in south wall – blown in insulation	Negative	N/A	MBI
6	Exterior – in east wall – blown in insulation	Negative	N/A	MBI
7	Exterior – on north window – white caulk	Negative	N/A	MCLKw
8a	Exterior – on south window – white caulk	Negative	N/A	MCLKw
8b	**Exterior – on south window – under white caulk – brown caulk**	**Positive 5% Chrysotile**	**42 Windows**	**MCLKn**
9a	Exterior – on east window – white caulk	Negative	N/A	MCLKw
9b	**Exterior – on east window – under white caulk – brown caulk**	**Positive 5% Chrysotile**	**Reference Sample 8b**	**MCLKn**
10	1st floor – front entry – top layer – laminate flooring	Negative	N/A	MLF
11	1st floor – front entry – 2nd layer – brown linoleum	Negative	N/A	MFLn
11A	1st floor – kitchen – 2nd layer east side – brown linoleum	Negative	N/A	MFLn
11B	1st floor – pantry – top layer east side – brown linoleum	Negative	N/A	MFLn
11B	1st floor – pantry – top layer east side – under linoleum – yellow mastic	Negative	N/A	MFLn
12a	1st floor – front entry – 2nd layer – tan and gold linoleum	Negative	N/A	MFLtd
12b	1st floor – front entry – 2nd layer – black backing	Negative	N/A	MFLtd
12c	1st floor – front entry – 2nd layer – under linoleum – brown mastic	Negative	N/A	MFLtd
13	1st floor – front entry – north wall – plaster	Negative	N/A	SPl
14	1st floor – dining room – east wall – plaster	Negative	N/A	SPl
15	1st floor – hall – south wall – plaster	Negative	N/A	SPl
16	1st floor – rear stair – west wall – plaster	Negative	N/A	SPl
17	2nd floor – kitchen – north wall – plaster	Negative	N/A	SPl
18	2nd floor – living room – south wall – plaster	Negative	N/A	SPl
19	2nd floor – front stair – east wall – plaster	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20	1st floor – living room – west window – glazing compound	Negative	N/A	MPG
21	2nd floor – front stair – north window – glazing compound	Negative	N/A	MPG
22	Basement – south window – glazing compound	Negative	N/A	MPG
23a	1st floor – dining room closet – 12" beige and black floor tile	Negative	N/A	MF12ek
23b	1st floor – dining room closet – under floor tile – orange mastic	Negative	N/A	MF12ek
24	**1st floor – west bedroom – on south wall duct – duct paper**	**Positive 95% Chrysotile**	**190 Sq. Ft.**	**TDW**
25	**2nd floor – east bedroom – on west wall duct – duct paper**	**Positive 95% Chrysotile**	**Reference Sample 24**	**TDW**
26	**Basement – on returns – duct paper**	**Positive 95% Chrysotile**	**Reference Sample 24**	**TDW**
27	1st floor – bathroom – gray linoleum	Negative	N/A	MFLy
27	1st floor – bathroom – under linoleum – tan mastic	Negative	N/A	MFLy
28	1st floor – bathroom – under wall panels – tan mastic	Negative	N/A	MWM
29	1st floor – kitchen – top layer – 12" gray and blue floor tile	Negative	N/A	MF12yb
30	**1st floor – kitchen – bottom layer northwest – 12" white and black floor tile**	**Positive 5% Chrysotile**	**60 Sq. Ft.**	**MF12wk**
31a	1st floor – kitchen – bottom layer southwest – 9" blue floor tile	Negative	N/A	MF9b
31b	1st floor – kitchen – bottom layer southwest – under blue floor tile – black mastic	Negative	N/A	MF9b
31c	1st floor – kitchen – bottom layer southwest – under black mastic – tar paper	Negative	N/A	MF9b
31d	1st floor – kitchen – bottom layer southwest – under tar paper – brown mastic	Negative	N/A	MF9b
32a	1st floor – kitchen – bottom layer east – 9" blue floor tile	Negative	N/A	MF9b
32b	1st floor – kitchen – bottom layer east – under blue floor tile – black mastic	Negative	N/A	MF9b
32c	1st floor – kitchen – bottom layer east – under black mastic – tar paper	Negative	N/A	MF9b
32d	1st floor – kitchen – bottom layer east – under tar paper – brown mastic	Negative	N/A	MF9b
33a	1st floor – rear stair landing – 9" blue floor tile	Negative	N/A	MF9b
33b	1st floor – rear stair landing – under blue floor tile – black mastic	Negative	N/A	MF9b
34	1st floor – kitchen – on west wall – yellow and gray linoleum	Negative	N/A	MFLly
35	1st floor – kitchen – on south wall – yellow and gray linoleum	Negative	N/A	MFLly
36	1st floor – kitchen – on east wall – yellow and gray linoleum	Negative	N/A	MFLly
37	1st floor – rear stair – on north wall – joint compound patch	Negative	N/A	MJC
38a	2nd floor – kitchen – 2nd layer – cream and black linoleum	Negative	N/A	MFLck

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
38b	2nd floor – kitchen – 2nd layer – under linoleum – white mastic	Negative	N/A	MFLcy
39	2nd floor – east bedroom – under wood floor – brown paper insulation	Negative	N/A	MPIn
40	2nd floor – living room – under wood floor – brown paper insulation	Negative	N/A	MPIn
41	2nd floor – dining room – under wood floor – brown paper insulation	Negative	N/A	MPIn
42a	2nd floor – front stair – 12" cream and gray floor tile	Negative	N/A	MF12cy
42b	2nd floor – front stair – under floor tile – tan mastic	Negative	N/A	MF12cy
42c	2nd floor – front stair – under mastic – leveling compound	Negative	N/A	MF12cy
43	1st floor – front porch – under carpet – tar paper	Negative	N/A	MPT
44	Attic – stair – stair tread	Negative	N/A	MST
45	Exterior – roof – southwest top layer – asphalt shingle	Negative	N/A	MRS
46	Exterior – roof – northwest top layer – asphalt shingle	Negative	N/A	MRS
47	Exterior – roof – northeast top layer – asphalt shingle	Negative	N/A	MRS
48	Exterior – roof – southwest bottom layer – tar paper #2	Negative	N/A	MPT2
49	Exterior – roof – northwest bottom layer – tar paper #2	Negative	N/A	MPT2
50	Exterior – roof – northeast bottom layer – tar paper #2	Negative	N/A	MPT2
51	Basement – on east side of chimney – gray flue packing	Negative	N/A	TFPy
52	**Basement – on west side of chimney – white flue packing**	**Positive 50% Chrysotile**	**2 Sq. Ft.**	**TFPw**
53	**Basement – in bottom of octopus furnaces – fire brick**	**Positive 3% Chrysotile**	**6 Sq. Ft.**	**TFB**
54a	Basement – center wall – joint compound	Negative	N/A	MDW
54b	Basement – center wall – drywall	Negative	N/A	MDW
55a	Basement – east wall – joint compound	Negative	N/A	MDW
55b	Basement – east wall – drywall	Negative	N/A	MDW
56	1st floor – front entry – east wall – drywall	Negative	N/A	MDW
57	2nd floor – bathroom – dark gray linoleum	Negative	N/A	MFLydark

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPIs	Silver Paper Insulation
MPIn	Brown Paper Insulation
MBI	Blown in Insulation
MCLKw	White Caulk
MLF	Laminate Flooring
MFLn	Brown Linoleum
MFLtd	Tan & Gold Linoleum
MFLy	Gray Linoleum
MFLy	Dark Gray Linoleum
MFLly	Yellow & Gray Linoleum
MFLck	Cream & Black Linoleum
MPG	Glazing Compound
MF12ek	12" Beige & Black Floor Tile
MF12yb	12" Gray & Blue Floor Tile
MF12wk	12" White & Black Floor Tile
MF12cy	12" Cream & Gray Floor Tile
MF9b	9" Blue Floor Tile
MWM	Wall Mastic
MJC	Joint Compound Patch
MPT	Tar Paper
MPT2	Tar Paper #2
MST	Stair Tread
MRS	Asphalt Shingle
MDW	Drywall/Joint Compound
TFPy	Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper
TFB	Fire Brick

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

Note#3: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

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:

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

20	Fluorescent Lights –Kitchens, Living Rooms, Dining Rooms
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
1	Exit Signs – 2nd Floor Kitchen
N/A	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

2	Old Thermostats – Dining Rooms
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	Thermometers

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

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

N/A	Hazardous Waste
2	Oil Tanks – Basement
N/A	Well Abandonment
3	Junk Auto Tires – Basement
N/A	Junk Vehicles

* 2 Gas Meters 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. 243354
Account Number: B929

Date Received: 10/29/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Jeff Mlekush
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: 14-200-042.3124

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	Silver Paper	Asbestos Not Present	Cellulose	4	Tar Foil
002	2	Homogeneous	Silver Paper	Asbestos Not Present	Cellulose	4	Tar Foil
003	3	Homogeneous	Silver Paper	Asbestos Not Present	Cellulose	5	Tar Foil
004	4	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose	95	Binder
005	5	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose	98	
006	6	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose	98	
007	7	Homogeneous	White Caulk	Asbestos Not Present	NA		Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Layered	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
008a		Layered	Brown Caulk	Asbestos Present Chrysotile 5	NA	Binder
009	9	Layered	White Caulk	Asbestos Not Present	NA	Binder CaCO3
009a		Layered	Brown Caulk	Asbestos Present Chrysotile 5	NA	Binder
010	10	Homogeneous	Black Counter Top	Asbestos Not Present	Cellulose 90	Vinyl
011	11	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Vinyl
012	11A	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
013	11B	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	15 5	Vinyl
013a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose	3	Glue
014	12	Layered	Tan Paper	Asbestos Not Present	Cellulose	50	Vinyl
014a		Layered	Black Linoleum Backing	Asbestos Not Present	Cellulose	50	Tar
014b		Layered	Brown Mastic	Asbestos Not Present	Cellulose	2	Binder
015	13	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint
016	14	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
017	15	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	CaCO3 Sand Paint
018	16	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint
019	17	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint
020	18	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint
021	19	Homogeneous	White Plaster	Asbestos Not Present	Hair	3	Sand CaCO3 Paint
022	20	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA		CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3124

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	21	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
024	22	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
025	23	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
025a		Layered	Orange Mastic	Asbestos Not Present	Cellulose 2	Glue
026	24	Homogeneous	White Vibration Cloth	Asbestos Present Chrysotile 95	NA	
027	25	Homogeneous	White Vibration Cloth	Asbestos Present Chrysotile 95	NA	
028	26	Homogeneous	White Vibration Cloth	Asbestos Present Chrysotile 95	NA	

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Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3124

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	27	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Vinyl
029a		Layered	Orange Mastic	Asbestos Not Present	Cellulose 2	Glue
030	28	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	CaCO3 Binder
031	29	Homogeneous	Gray Floor Tile	Asbestos Not Present	Synthetic 3	Vinyl CaCO3
032	30	Homogeneous	Green Floor Tile	Asbestos Present Chrysotile 5	NA	Vinyl CaCO3
033	31	Layered	Blue Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
033a		Layered	Black Mastic	Asbestos Not Present	Cellulose 3	Tar

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Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 10/29/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Jeff Mlekush
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: 14-200-042.3124

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
033b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
033c		Layered	Brown Mastic	Asbestos Not Present	Cellulose	3	Binder
034	32	Layered	Blue Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
034a		Layered	Black Mastic	Asbestos Not Present	Cellulose	3	Tar
034b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	50	Tar
034c		Layered	Brown Mastic	Asbestos Not Present	Cellulose	4	Binder
035	33	Layered	Blue Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3

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Project: DNS
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
035a		Layered	Black Mastic	Asbestos Not Present	Cellulose	10	Tar
036	34	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose	60	Vinyl
037	35	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose	60	Vinyl
038	36	Homogeneous	Yellow Linoleum	Asbestos Not Present	Cellulose	60	Vinyl
039	37	Homogeneous	Tan Caulk	Asbestos Not Present	Cellulose	2	CaCO3
040	38	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	15 5	Vinyl
040a		Layered	White Mastic	Asbestos Not Present	NA		Binder

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Project: DNS
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Project Number: 14-200-042.3124

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
041	39	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose	98	
042	40	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose	99	
043	41	Homogeneous	Gray Paper	Asbestos Not Present	Cellulose	99	
044	42	Layered	Beige Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
044a		Layered	Tan Mastic	Asbestos Not Present	Cellulose	2	Glue
044b		Layered	Yellow Leveling Compound	Asbestos Not Present	NA		CaCO3
045	43	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose	80	Binder

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Milwaukee, WI 53204

Project: DNS
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
046	44	Homogeneous	Brown Bulk	Asbestos Not Present	NA		CaCO3 Binder
047	45	Homogeneous	White Roofing	Asbestos Not Present	Glass Fiber	40	Tar Sand
048	46	Homogeneous	White Roofing	Asbestos Not Present	Glass Fiber	40	Tar Sand
049	47	Homogeneous	White Roofing	Asbestos Not Present	Glass Fiber	40	Tar Sand
050	48	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	50	Tar
051	49	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
052	50	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053	51	Homogeneous	Yellow Bulk	Asbestos Not Present	Cellulose 3	CaCO3
054	52	Homogeneous	Brown/White Bulk	Asbestos Present Chrysotile 50	NA	CaCO3 Paint
055	53	Homogeneous	White Stucco	Asbestos Present Chrysotile 3	NA	Caco3 Sand
056	54	Layered	White Texture	Asbestos Not Present	NA	Paint CaCO3
056a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Gypsum
057	55	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
057a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Gypsum

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
058	56	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum Paint
059	57	Layered	Gray Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	15 5	Vinyl
059a		Layered	Brown Mastic	Asbestos Not Present	Cellulose	5	Glue

Jeff Mlekush, Laboratory Manager

10/29/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 243354	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.3124
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	10/28/14 1800	Fed Ex	Judy Rowan	10/29/14 10:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☒				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243354
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	11A	☐				
13	11B	☐				
14	12	☐				
15	13	☐				
16	14	☐				
17	15	☐				
18	16	☐				
19	17	☐				
20	18	☐				
21	19	☐				
22	20	☐				
23	21	☐				
24	22	☐				
25	23	☐				
26	24	☐				
27	25	☐				
28	26	☐				
29	27	☐				
30	28	☑				

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For Lab Use Only
Lab No. 243354
Accept Reject

Project Information

Company: Harenda Management Group | 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	29	☒				
32	30	☐				
33	31	☐				
34	32	☐				
35	33	☐				
36	34	☐				
37	35	☐				
38	36	☐				
39	37	☐				
40	38	☐				
41	39	☐				
42	40	☐				
43	41	☐				
44	42	☐				
45	43	☐				
46	44	☐				
47	45	☐				
48	46	☐				
49	47	☐				
50	48	☑				

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243354
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
S1	49	☒				
S2	50	☐				
S3	51	☐				
S4	52	☐				
S5	53	☐				
S6	54	☐				
S7	55	☐				
S8	56	☐				
S9	57	☑				
0		☐				
1		☐				
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				

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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,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'10"
AII-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS SNIP INSPECTION REPORT
Job Site:

One Family Dwelling
818 North 35th 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.: 14-200-061.818
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

March 2014

TABLE OF CONTENTS

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 818 North 35th Street, Milwaukee, Wisconsin.

The inspection included stucco, plaster, window glazing compound, linoleum, paper insulation, ceramic tile, blown in insulation, drywall/joint compound, fiberboard, flue packing, duct paper, and transite 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 March 3, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 818 North 35th Street, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.

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, crodcidolite, 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 stucco, plaster, window glazing compound, linoleum, paper insulation, ceramic tile, blown in insulation, drywall/joint compound, fiberboard, flue packing, duct paper, and transite. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – basement level south wall – stucco	Negative	N/A	STC
2	Exterior – basement level east wall – stucco	Negative	N/A	STC
3	Exterior – basement level north wall – stucco	Negative	N/A	STC
4	**1st floor – front entry – west window – glazing compound** ***Includes 20 windows in basement***	**Positive 3% Chrysotile**	**57 Windows**	**MPG**
5	**Basement – north window – glazing compound**	**Positive 3% Chrysotile**	**Reference Sample 4**	**MPG**
6	2nd floor – south bedroom – south window – glazing compound	Negative	N/A	MPG
7a	1st floor – front entry – green linoleum	Negative	N/A	MFLg
7b	1st floor – front entry – under linoleum – tar paper	Negative	N/A	MFLg
8	1st floor – west bedroom – green linoleum	Negative	N/A	MFLg
9	1st floor – kitchen – green linoleum	Negative	N/A	MFLg
10	1st floor – kitchen - under linoleum – paper insulation	Negative	N/A	MPI
11	1st floor – west bedroom - under linoleum – paper insulation	Negative	N/A	MPI
12	1st floor – front entry – under tar paper – paper insulation	Negative	N/A	MPI
13	1st floor – living room – at fireplace – red ceramic tile	Negative	N/A	MCTMr
14a	1st floor – living room – at fireplace – mortar	Negative	N/A	MCTMM
14b	1st floor – living room – at fireplace – grout	Negative	N/A	MCTMM
15	1st floor – bathroom – top layer – white and pink linoleum	Negative	N/A	MFLwp
16	1st floor – bathroom – 3rd layer – cream and red linoleum	Negative	N/A	MFLcr
17	1st floor – bathroom – 4th layer – paper insulation #2	Negative	N/A	MPI2
18	1st floor – east room – tan linoleum	Negative	N/A	MFLt
19a	1st floor – stair – ceiling – plaster skim coat	Negative	N/A	SPl
19b	1st floor – stair – ceiling – plaster base coat	Negative	N/A	SPl
20a	Basement – stair – ceiling – plaster skim coat	Negative	N/A	SPl
20b	Basement – ceiling – plaster base coat	Negative	N/A	SPl
21a	2nd floor – south bedroom – ceiling – plaster skim coat	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21b	2nd floor – south bedroom – ceiling – plaster base coat	Negative	N/A	SPl
22a	2nd floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPl
22b	2nd floor – kitchen – east wall – plaster base coat	Negative	N/A	SPl
23a	2nd floor – west bedroom – north wall – plaster skim coat	Negative	N/A	SPl
23b	2nd floor – west bedroom – north wall – plaster base coat	Negative	N/A	SPl
24	2nd floor – kitchen – under floor tile – beige linoleum	Negative	N/A	MFLe
25	2nd floor – pantry – under floor tile – beige linoleum	Negative	N/A	MFLe
26	2nd floor – west bedroom – under floor tile – beige linoleum	Negative	N/A	MFLe
27	2nd floor – bathroom – on floor – blown in insulation	Negative	N/A	MBI
28	2nd floor – stair – in ceiling – blown in insulation	Negative	N/A	MBI
29	Attic – on floor – blown in insulation	Negative	N/A	MBI
30	2nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
31	2nd floor – living room – west wall – joint compound	Trace <1% Chrysotile	N/A	MDW
31	2nd floor – living room – west wall – joint compound Layer 2	Positive 2% Chrysotile	N/A	MDW
31	2nd floor – living room – west wall – drywall	Negative	N/A	MDW
31	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	SPl
32	2nd floor – stair – ceiling – drywall	Negative	N/A	MDW
33	2nd floor – west bedroom – north wall – fiberboard	Negative	N/A	MFB
34	2nd floor – bathroom – 2nd layer – brown linoleum	Negative	N/A	MFLn
35	2nd floor – bathroom – 3rd layer – gold and gray linoleum	Negative	N/A	MFLdy
36	**Basement – on duct north of chimney – duct paper**	**Positive 85% Chrysotile**	**2 Sq. Ft.**	**TDW**
37	Basement – on chimney – flue packing	Negative	N/A	SPl
38	**Basement – near breaker boxes – transite panel**	**Positive 80% Chrysotile**	**1 Sq. Ft.**	**MTP**

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	1,000 Sq. Ft.
1st	Entry/Kitchen/Bathroom/ Hall/Bedrooms	Floor Mastic	800 Sq. Ft.
2nd	Kitchen/Bathroom/Pantry	Floor Tile & Mastic	180 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
STC	Stucco
MPG	Glazing Compound

Homogeneous Material Codes

MFLg	Green Linoleum
MFLwp	White & Pink Linoleum
MFLcr	Cream & Red Linoleum
MFLgn	Green & Brown Linoleum
MFLt	Tan Linoleum
MFLe	Beige Linoleum
MFLn	Brown Linoleum
MFLdy	Gold & Gray Linoleum
MPI	Paper Insulation
MPI2	Paper Insulation #2
MBI	Blown in Insulation
MDW	Drywall/Joint Compound
MFB	Fiberboard
MCTMr	Red Ceramic Tile
MCTMM	Mortar
MTP	Transite
TFP	Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the

preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family 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:

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

4	Fluorescent Lights – Front Entry, 1st Floor Kitchen
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	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

N/A	Old Thermostats
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232580
Account Number: B929
Date Received: 03/04/2014
Received By: Joanna Mueller
Date Analyzed: 03/06/2014
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: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
002	2	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
003	3	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
004	4	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
005	5	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
006	6	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Talc
007	7	Layered	Green Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder

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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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
007a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
008	8	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose	30	Tar Binder
009	9	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	30	Tar
010	10	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
011	11	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
012	12	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
013	13	Homogeneous	Red Brick	Asbestos Not Present	NA		Clay

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Polarized Light Microscopy Asbestos Analysis Report

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
014a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
015	15	Homogeneous	Tan Flooring	Asbestos Not Present	Glass Fiber 10	Vinyl CaCO3
016	16	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 15	Binder
017	17	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Binder
018	18	Homogeneous	Gray Flooring	Asbestos Not Present	Cellulose 95 Synthetic 5	
019	19	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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Project Location: Milwaukee, WI
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
021	21	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
021a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	Sand CaCO3
022	22	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232580
Account Number: B929
Date Received: 03/04/2014
Received By: Joanna Mueller
Date Analyzed: 03/06/2014
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: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
023	23	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
024	24	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
025	25	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
026	26	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
027	27	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
029	29	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
030	30	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
031	31	Layered	Tan Texture	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
031a		Layered	White/Gray Texture	Asbestos Present Chrysotile 2	NA	CaCO3
031b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
032	32	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum Paint

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
034	34	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
035	35	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
036	36	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 85	Cellulose <1	Binder
037	37	Homogeneous	Gray Insulation	Asbestos Not Present	NA	Gypsum
038	38	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder

Cristal Veech, Analyst

3/6/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 232580
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-061.818
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	3/3/14 1800	FedEx	[signature]	3/4/14 1040

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				Do Not Test Mastic
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

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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. 232580
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				Do Not Test Mastic
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☐				
30	30	☐				

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For Lab Use Only
Lab No. 232580
Accept Reject

Project Information

Company: Harenda Management Group | 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	31	☒				
32	32	☐				
33	33	☐				Do Not Test/Mastic
34	34	☐				↓
35	35	☐				
36	36	☐				
37	37	☐				
38	38	☑				
39		☐				
40		☐				
41		☐				
42		☐				
43		☐				
44		☐				
45		☐				
46		☐				
47		☐				
48		☐				
49		☐				
50		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232777
Account Number: B929

Date Received: 03/10/201
Received By: Sherrie Leftwich
Date Analyzed: 03/10/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: PTCT for 232580, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-061.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	31	Composite	White/Tan Texture / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	

Cristal Veech, Analyst

3/10/2014
Date of Report

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 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 232-777
Accept Reject

Contact Information			
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (☑ one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	☑ QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.818	☐ Other email
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[illegible]	3/8/14 955	Email	S. Lafferdich	3/10/14 8:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	31	☑		Composite Point Count		Quantem Lab #232580
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

		150 lbs	5' 01"
AII-156385	Exp: 09/26/2014	09/08/1971	Female

Training due by: 09/26/2014

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,
Unit Supervisor

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Category I Non-Friable Materials
Two Family Dwelling
818 North 35th 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.: 14-200-042.818CI
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible Category I Non-Friable asbestos containing materials in the dwelling at 818 North 35th Street, Milwaukee, Wisconsin.

The inspection included floor tile, caulk, roofing, furnace paper, and mastic to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 8, 2014, HMG conducted an asbestos inspection of a two family dwelling, scheduled for deconstruction, located at 818 North 35th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect Category I Non-Friable materials within the building.
2. Sampling and documentation of observable suspect materials.
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, crodcidolite, 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) included floor tile, caulk, roofing, furnace paper, and mastic. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
39a	1st floor – bathroom – 2nd layer – 9" blue and red floor tile	Negative	N/A	MF9br
39b	1st floor – bathroom – 2nd layer – under blue and red floor tile – black mastic	Negative	N/A	MF9br
39c	1st floor – bathroom – under black mastic – 9" gray floor tile	Negative	N/A	MF9y
39d	1st floor – bathroom – under gray floor tile – black mastic	Negative	N/A	MF9y
40	**2nd floor – kitchen – north side top layer – 12" white floor tile**	**Positive 3% Chrysotile**	**160 Sq. Ft.**	**MF12w**
41	**2nd floor – kitchen – south side top layer – 12" white floor tile**	**Positive 3% Chrysotile**	**Reference Sample 40**	**MF12w**
42	**2nd floor – pantry – top layer – 12" white floor tile**	**Positive 3% Chrysotile**	**Reference Sample 40**	**MF12w**
43	2nd floor – kitchen – north side bottom layer – 9" gray floor tile	Negative	N/A	MF9y
44	2nd floor – kitchen – south side bottom layer – 9" gray floor tile	Negative	N/A	MF9y
45	2nd floor – pantry – bottom layer – 9" gray floor tile	Negative	N/A	MF9y
46	**Exterior – roof west side – black flashing**	**Positive 4% Chrysotile**	**75 Sq. Ft.**	**MRF**
47	**Exterior – roof north side – black flashing**	**Positive 20% Chrysotile**	**Reference Sample 46**	**MRF**
48	**Exterior – roof east side – black flashing**	**Positive 20% Chrysotile**	**Reference Sample 46**	**MRF**
49a	Exterior – west side flat roof – top layer – tar	Negative	N/A	MRM
49b	**Exterior – west side flat roof – 2nd layer – black roofing**	**Positive 5% Chrysotile**	**270 Sq. Ft.**	**MRM**
49c	Exterior – west side flat roof – 3rd layer – black roofing	Negative	N/A	MRM
49d	Exterior – west side flat roof – 4th layer – brown asphalt shingle	Negative	N/A	MRSn
49e	Exterior – west side flat roof – 5th layer – black asphalt shingle	Negative	N/A	MRSk
49f	Exterior – west side flat roof – 6th layer – brown and black asphalt shingle	Negative	N/A	MRSnk
49g	Exterior – west side flat roof – 7th layer – tar paper	Negative	N/A	MPT

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
50a	Exterior – roof north side – top layer – gray asphalt shingle	Negative	N/A	MRSy
50b	Exterior – roof north side – 2nd layer – gray and white asphalt shingle	Negative	N/A	MRSyw
50c	Exterior – roof north side – 3rd layer – black asphalt shingle	Negative	N/A	MRSk
50d	Exterior – roof north side – 4th layer – black and gray asphalt shingle	Negative	N/A	MRSky
50e	Exterior – roof north side – 5th layer – gray asphalt shingle #2	Negative	N/A	MRSy2
50f	Exterior – roof north side – 6th layer – brown asphalt shingle	Negative	N/A	MRSn
51a	Exterior – roof east side – top layer – gray asphalt shingle	Negative	N/A	MRSy
51b	Exterior – roof east side – 2nd layer – gray and white asphalt shingle	Negative	N/A	MRSyw
51c	Exterior – roof east side – 3rd layer – black asphalt shingle	Negative	N/A	MRSk
51d	Exterior – roof east side – 4th layer – brown asphalt shingle	Negative	N/A	MRSn
52a	Exterior – roof south side – top layer – gray asphalt shingle	Negative	N/A	MRSy
52b	Exterior – roof south side – 2nd layer – gray and white asphalt shingle	Negative	N/A	MRSyw
52c	Exterior – roof south side – 3rd layer – black asphalt shingle	Negative	N/A	MRSk
52d	Exterior – roof south side – 4th layer – black and gray asphalt shingle	Negative	N/A	MRSky
52e	Exterior – roof south side – 5th layer – gray asphalt shingle #2	Negative	N/A	MRSy2
52f	Exterior – roof south side – 6th layer – brown asphalt shingle	Negative	N/A	MRSn
53	Exterior – roof – west side – red asphalt shingle	Negative	N/A	MRSr
54	2nd floor – bathroom top layer – 12” black floor tile	Negative	N/A	MF12k
55a	2nd floor – bathroom under plywood – 9” multicolored floor tile	Negative	N/A	MF9m
55b	2nd floor – bathroom under plywood – under floor tile – black mastic	Negative	N/A	MF9m
56	**Basement – in furnace – insulation paper**	**Positive 70% Chrysotile**	**30 Sq. Ft. & 120 Sq. Ft. of Floor Contaminated**	**TFI**
57	**Basement – north side above electrical box – duct paper**	**Positive 70% Chrysotile**	**2 Sq. Ft.**	**TDW**
58	**Basement – on windows – gray caulk**	**Positive 15% Chrysotile**	**8 Windows**	**MCLKy**

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

Homogeneous Material Codes

MF9br	9" Blue & Red Floor Tile
MF9y	9" Gray Floor Tile
MF9m	9" Multicolored Floor Tile
MF12w	12" White Floor Tile
MF12k	12" Black Floor Tile
MRF	Flashing
MRM	Built up Roofing
MRSn	Brown Asphalt Shingle
MRSy	Gray Asphalt Shingle
MRSk	Black Asphalt Shingle
MRSnk	Brown & Black Asphalt Shingle
MRSyw	Gray & White Asphalt Shingle
MRSky	Black & Gray Asphalt Shingle
MRSy2	Gray Asphalt Shingle #2
MRSr	Red Asphalt Shingle
MCLKy	Gray Caulk
TFI	Furnace Insulation
TDW	Duct Paper

Note#1: If additional materials are discovered during deconstruction or demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractor.

V. EXCLUSIONS

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. 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. 242269
Account Number: B929
Date Received: 10/09/2014
Received By: Judy Rowan
Date Analyzed: 10/09/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	39	Layered	White Flooring	Asbestos Not Present	NA	Vinyl
001a		Layered	Black Mastic	Asbestos Not Present	NA	Tar
001b		Layered	Gray Flooring	Asbestos Not Present	NA	Vinyl
001c		Layered	Black Mastic	Asbestos Not Present	NA	Tar
002	40	Homogeneous	Beige Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
003	41	Layered	Beige Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
003a		Layered	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242269
Account Number: B929
Date Received: 10/09/2014
Received By: Judy Rowan
Date Analyzed: 10/09/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	42	Homogeneous	Beige Floor Tile	Asbestos Present Chrysotile 3	NA	Vinyl CaCO3
005	43	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
006	44	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
007	45	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
008	46	Homogeneous	Gray Caulk	Asbestos Present Chrysotile 4	NA	CaCO3
009	47	Homogeneous	Black/Gray Tar	Asbestos Present Chrysotile 20	NA	Tar
010	48	Homogeneous	Black/Gray Tar	Asbestos Present Chrysotile 20	NA	Tar

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

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QUANTEM LABORATORIES ®

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242269
Account Number: B929

Date Received: 10/09/2014
Received By: Judy Rowan
Date Analyzed: 10/09/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
011	49	Layered	Black Tar	Asbestos Not Present	Glass Fiber Synthetic	8 15	Tar
011a		Layered	Black Roofing	Asbestos Present Chrysotile 5	Cellulose	8	Tar
011b		Layered	Black Roofing	Asbestos Not Present	Cellulose	40	Tar
011c		Layered	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
011d		Layered	Black Shingle	Asbestos Not Present	Cellulose Synthetic	20 5	Quartz Tar
011e		Layered	Brown Shingle	Asbestos Not Present	Cellulose Synthetic	20 5	Quartz Tar
011f		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242269
Account Number: B929

Date Received: 10/09/2014
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Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
012	50	Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
012a		Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
012b		Layered	Black Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
012c		Layered	Black/Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
012d		Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
012e		Layered	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
013	51	Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242269
Account Number: B929

Date Received: 10/09/2014
Received By: Judy Rowan
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Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
013a		Layered	Black/Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
013b		Layered	Black Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
013c		Layered	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
014	52	Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
014a		Layered	Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
014b		Layered	Black/Gray Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
014c		Layered	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 242269
Account Number: B929

Date Received: 10/09/2014
Received By: Judy Rowan
Date Analyzed: 10/09/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
014d		Layered	Black Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
014e		Layered	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
015	53	Homogeneous	Red Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
016	54	Homogeneous	Black Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
017	55	Layered	Tan Linoleum	Asbestos Not Present	Cellulose	25	CaCO3 Tar
017a		Layered	Brown Mastic	Asbestos Not Present	NA		Glue
018	56	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose	20	Binder

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Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.818

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
019	57	Homogeneous	Gray Insulation	Asbestos Present Chrysotile	75	Cellulose	20	Binder
020	58	Homogeneous	Gray Caulk	Asbestos Present Chrysotile	15	NA		Binder

Gayle Ooten, Analyst

10/9/2014
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 242269	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.818
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	10/8/14 1800	FedEx	Judy Rowan	10/9/14 9:50

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM	
☑	Bulk Analysis (EPA 600/R-93/116)
☐	400 Point Count
☐	1000 Point Count
☐	Gravimetric Preparation
☐	Particle ID

PLM	
☐	Vermiculite Attic Insulation (EPA 600/R-04/004)
☐	Other

PCM	
☐	NIOSH 7400

TEM	
☐	Air- AHERA
☐	Air- NIOSH 7402
☐	Air- ISO 10312
☐	Drinking Water- EPA 100.2
☐	Waste Water- EPA 600/4-83-043

TEM	
☐	Bulk- Presence / Absence EPA600/R-93/116
☐	Bulk- Quantitative [weight%]- Chatfield
☐	Dust- Presence / Absence
☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755
☐	Other

TURNAROUND TIME	
☐	Rush
☐	Same Day
☑	24 - Hour
☐	3 - Day
☐	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	39	☒				
2	40	☐				
3	41	☐				
4	42	☐				
5	43	☐				
6	44	☐				
7	45	☐				
8	46	☐				
9	47	☐				
10	48	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 242269
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	49	☑				
12	50	☐				
13	51	☐				
14	52	☐				
15	53	☐				
16	54	☐				
17	55	☐				
18	56	☐				
19	57	☐				
20	58	☑				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

VIII. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

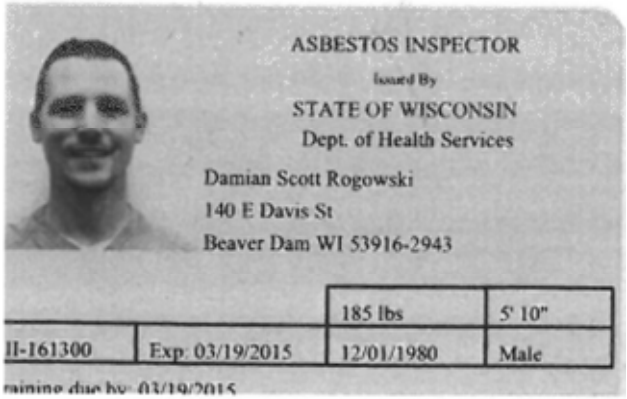
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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

mining due by: 03/19/2015

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

One Family Dwelling
2768 North Holton 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.: 14-200-042.2768
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

October 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2768 North Holton Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, shingle siding, paper insulation, ceramic tile, concrete board, drywall/joint compound, floor tile, linoleum, laminate flooring, flue packing, duct paper, window glazing compound, asphalt roofing, caulk, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On October 24, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for deconstruction, located at 2768 North Holton 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.
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, crodcidolite, 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, shingle siding, paper insulation, ceramic tile, concrete board, drywall/joint compound, floor tile, linoleum, laminate flooring, flue packing, duct paper, window glazing compound, asphalt roofing, caulk, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
2	Exterior – south wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
3	Exterior – south wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
4	Exterior – east wall under wood siding – paper insulation	Negative	N/A	MPI
5a	1st floor – living room – entry floor – tan ceramic tile	Negative	N/A	MCTMt
5b	1st floor – living room – entry floor – under ceramic tile – white mastic	Negative	N/A	MCTMt
5c	1st floor – living room – entry floor – grout	Negative	N/A	MCTMt
6	1st floor – living room – entry floor – under ceramic tile – concrete board	Negative	N/A	MCB
7	1st floor – living room – under carpet – tar paper	Negative	N/A	MPT
8a	1st floor – living room – east wall – joint compound	Negative	N/A	MDW
8b	1st floor – living room – east wall – drywall	Negative	N/A	MDW
9a	2nd floor – east bedroom – west wall – joint compound	Negative	N/A	MDW
9b	2nd floor – east bedroom – west wall – drywall	Negative	N/A	MDW
10a	2nd floor – south bedroom – north wall – joint compound	Negative	N/A	MDW
10b	2nd floor – south bedroom – north wall – drywall	Negative	N/A	MDW
11a	1st floor – kitchen – 2nd layer – 12” tan and cream floor tile	Negative	N/A	MF12tc
11b	1st floor – kitchen – 2nd layer – under floor tile – white mastic	Negative	N/A	MF12tc
12a	1st floor – kitchen – under plywood – tan linoleum	Negative	N/A	MFLt
12b	1st floor – kitchen – under linoleum – brown mastic	Negative	N/A	MFLt
13	1st floor – kitchen – on north and south walls – green linoleum	Negative	N/A	MFLg
14a	1st floor – bathroom – on tub wall – white ceramic tile	Negative	N/A	MCTMw
14b	1st floor – bathroom – on tub wall – under ceramic tile – white mastic	Negative	N/A	MCTMw

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14c	1st floor – bathroom – on tub wall – grout	Negative	N/A	MCTMw
15	1st floor – bathroom floor – mortar	Negative	N/A	MCTMM
16	1st floor – kitchen – top later – laminate flooring	Negative	N/A	MLF
17a	**1st floor – stair landing – under ceramic tile and concrete board – 9" brown floor tile**	**Positive 8% Chrysotile**	**50 Sq. Ft.**	**MF9n**
17b	**1st floor – stair landing – under brown floor tile – black mastic**	**Positive 2% Chrysotile**	**50 Sq. Ft.**	**MF9n**
18	1st floor – east bedroom – west wall – texture	Negative	N/A	STX
19	1st floor – stair – north wall – texture	Negative	N/A	STX
20	1st floor – kitchen – south wall – texture	Negative	N/A	STX
21	1st floor – west bedroom – west wall – texture	Negative	N/A	STX
22	1st floor – living room – north wall – texture	Negative	N/A	STX
23a	2nd floor – hall – north wall – plaster skim coat	Negative	N/A	SPl
23b	2nd floor – hall – north wall – plaster base coat	Negative	N/A	SPl
24a	1st floor – west bedroom – north wall – plaster skim coat	Negative	N/A	SPl
24b	1st floor – west bedroom – north wall – plaster base coat	Negative	N/A	SPl
25a	1st floor – living room – north wall – plaster skim coat	Negative	N/A	SPl
25b	1st floor – living room – north wall – plaster base coat	Negative	N/A	SPl
26	2nd floor – west bedroom – ceiling south side – texture #2	Negative	N/A	STX2
27	2nd floor – west bedroom – ceiling west side – texture #2	Negative	N/A	STX2
28	2nd floor – hall – ceiling – texture #2	Negative	N/A	STX2
29	2nd floor – west bedroom – west wall – texture #3	Negative	N/A	STX3
30	2nd floor – west bedroom – north wall – texture #3	Negative	N/A	STX3
31	2nd floor – hall – south wall – texture #3	Negative	N/A	STX3
32	Basement – on west side of chimney – gray flue packing	Negative	N/A	TFPy
33	Basement – on east side of chimney – light gray flue packing	Negative	N/A	TFPylight
34	**1st floor – stair – on duct – duct paper**	**Positive 80% Chrysotile**	**30 Sq. Ft.**	**TDW**
35	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
36	Exterior – roof – top layer – gray asphalt shingle	Negative	N/A	MRSy
37	Exterior – roof – bottom layer – green asphalt shingle	Negative	N/A	MRSg
38	Exterior – roof – on west wall at overhang – white caulk	Negative	N/A	MCLKw

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
STX	Texture
STX2	Texture #2
STX2	Texture #3
MSS	Shingle Siding
MPI	Paper Insulation
MPT	Tar Paper
MCTMt	Tan Ceramic Tile
MCTMw	White Ceramic Tile
MCTMM	Mortar
MCB	Concrete Board
MDW	Drywall/Joint Compound
MF12tc	12" Tan & Cream Floor Tile
MF9n	9" Brown Floor Tile
MFLt	Tan Linoleum
MFLg	Green Linoleum
MLF	Laminate Flooring
MPG	Glazing Compound
MRSy	Gray Asphalt Shingle
MRSg	Green Asphalt Shingle
TFPy	Gray Flue Packing
TFPylight	Light Gray Flue Packing
TDW	Duct Paper

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

Note#3: Additional duct paper may be within walls and ceilings.

V. EXCLUSIONS

No access to attic. 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:

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

4	Fluorescent Lights – Exterior, 1st Floor Kitchen & Bedroom
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	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

N/A	Old Thermostats
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

PCBs

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose	40	Quartz Tar
002	2	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose	40	Quartz Tar
003	3	Homogeneous	Gray Siding	Asbestos Not Present	Cellulose	40	Quartz Tar
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
005	5	Layered	Brown Ceramic Tile	Asbestos Not Present	NA		Clay
005a		Layered	White Mastic	Asbestos Not Present	NA		Glue CaCO3
005b		Layered	White Grout	Asbestos Not Present	NA		Quartz 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.

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA		CaCO3 Binder
007	7	Homogeneous	Black/Brown Tar Paper	Asbestos Not Present	Cellulose	75	Tar
008	8	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
009	9	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
010	10	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint

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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. 243261
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
011	11	Layered	Tan Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
011a		Layered	Cream Mastic	Asbestos Not Present	NA		Glue
012	12	Layered	Tan Linoleum	Asbestos Not Present	Cellulose	25	CaCO3 Tar
012a		Layered	Brown Mastic	Asbestos Not Present	NA		Glue
013	13	Homogeneous	Beige/Green Linoleum	Asbestos Not Present	Cellulose	25	Tar
014	14	Layered	White Ceramic Tile	Asbestos Not Present	NA		Clay

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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. 243261
Account Number: B929

Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3
014b		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
015	15	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
016	16	Homogeneous	Brown Wallboard	Asbestos Not Present	Cellulose 80	Vinyl
017	17	Layered	Black Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
017a		Layered	Black Mastic	Asbestos Present Chrysotile 2	NA	Tar
018	18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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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. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
025	25	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
026	26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
031	31	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
032	32	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
033	33	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
034	34	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	NA	Binder
035	35	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
036	36	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 243261
Account Number: B929
Date Received: 10/27/2014
Received By: Judy Rowan
Date Analyzed: 10/29/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2768

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37	Homogeneous	Gray Shingle	Asbestos Not Present	Glass Fiber 20	Quartz Tar
038	38	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
039	39	**	** **	**	Not Analyzed	

No Sample Received

Gayle Ooten, Analyst

10/29/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

QUANTEM LABORATORIES
www.QuanTEM.com
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. 243241
Accept Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2768
P.O. Number:	

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	10/24/14 1800	FedEx	Judy Rawan	10/27/14 10:30

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☑				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243261
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☑				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☐				
30	30	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 243241
Accept Reject

Project Information

Company: Harenda Management Group | 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	31	☒				
32	32	☐				
33	33	☐				
34	34	☐				
35	35	☐				
36	36	☐				
37	37	☐				
38	38	☐				
* 39	39	☑				
40		☐				
41		☐				
42		☐				
43		☐				
44		☐				
45		☐				
46		☐				
47		☐				
48		☐				
49		☐				
50		☐				

* No Sample #39 per Dean Jacobsen 10/28/14 4:25 JR

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'10"
AII-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

COPY

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2920 West Meinecke Avenue
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.: 14-200-042.2920
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2920 West Meinecke Avenue, Milwaukee, Wisconsin.

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

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 December 18, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for deconstruction, located at 2920 West Meinecke Avenue, 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.
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, crodcidolite, 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, tar paper, drywall, pipe insulation, floor tile, window glazing compound, linoleum, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north wall – tar paper	Negative	N/A	MPT
2	Exterior – west wall – tar paper	Negative	N/A	MPT
3	Exterior – east wall – tar paper	Negative	N/A	MPT
4	Exterior – north wall under tar paper – drywall	Negative	N/A	MDW
5	Exterior – west wall under tar paper – drywall	Negative	N/A	MDW
6	Exterior – east wall under tar paper – drywall	Negative	N/A	MDW
7a	Basement – on floor – pipe insulation debris black layer	Negative	N/A	TSI
7b	Basement – on floor – pipe insulation debris brown layer	Negative	N/A	TSI
8a	Basement – ceiling – joint compound	Negative	N/A	MDW2
8b	Basement – ceiling – drywall #2	Negative	N/A	MDW2
9a	1st floor – living room – east wall – plaster skim coat	Negative	N/A	SPl
9b	1st floor – living room – east wall – plaster base coat	Negative	N/A	SPl
10a	1st floor – dining room – west wall –paych layer	Negative	N/A	SPl
10b	1st floor – dining room – west wall –plaster skim coat	Negative	N/A	SPl
10c	1st floor – dining room – west wall –plaster base coat	Negative	N/A	SPl
11a	1st floor – kitchen – north wall –plaster skim coat	Negative	N/A	SPl
11b	1st floor – kitchen – north wall –plaster base coat	Negative	N/A	SPl
12a	2nd floor – living room – east wall –plaster skim coat	Negative	N/A	SPl
12b	2nd floor – living room – east wall –plaster base coat	Negative	N/A	SPl
13a	2nd floor – kitchen – south wall –plaster skim coat	Negative	N/A	SPl
13b	2nd floor – kitchen – south wall –plaster base coat	Negative	N/A	SPl
14	1st floor – bathroom – under plastic wall tile – tan mastic	Negative	N/A	MWM
14a	**1st floor – bathroom – under plastic wall tile – tan mastic**	**Positive 4% Chrysotile**	**150 Sq. Ft.**	**MWM**
14b	1st floor – bathroom – under mastic – plaster patch layer	Negative	N/A	MWM
15	1st floor – kitchen – top layer north side – 12” black and green floor tile	Negative	N/A	MF12kg
16a	1st floor – bathroom – top layer – 12” black and green floor tile	Negative	N/A	MF12kg

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16b	1st floor – bathroom – 2nd layer – under black and green floor tile – yellow linoleum	Negative	N/A	MFLl
16c	1st floor – bathroom – 2nd layer – under linoleum – mastic	Negative	N/A	MFLl
17	1st floor – kitchen – top layer south side – 12" black and green floor tile	Negative	N/A	MF12kg
18a	1st floor – kitchen – 2nd layer on 12" tan floor tile – mastic	Negative	N/A	MF12t
18b	1st floor – kitchen – 2nd layer – 12" tan floor tile	Negative	N/A	MF12t
18c	1st floor – kitchen – 2nd layer – under tan floor tile – mastic	Negative	N/A	MF12t
18d	1st floor – kitchen – bottom layer – blue linoleum	Negative	N/A	MFLb
19	1st floor – back hall – 12" black/green/white floor tile	Negative	N/A	MF12kgw
20	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
21	1st floor – dining room – on window – glazing compound	Negative	N/A	MPG
22	2nd floor – living room – on window – glazing compound	Negative	N/A	MPG
23	2nd floor – kitchen – top layer – 12" brown floor tile	Negative	N/A	MF12n
24a	2nd floor – kitchen – 2nd layer – white linoleum	Negative	N/A	MFLw
24b	2nd floor – kitchen – 2nd layer – under white linoleum – mastic	Negative	N/A	MFLw
24c	2nd floor – kitchen – bottom layer – beige linoleum	Negative	N/A	MFLe
25	2nd floor – bathroom – tan linoleum	Negative	N/A	MFLt
26	2nd floor – back hall – bottom layer – black/red/ white linoleum	Negative	N/A	MFLkrw
27	2nd floor – living room closet – top layer – green and beige linoleum	Negative	N/A	MFLge
28	2nd floor – living room closet – bottom layer – beige and red linoleum	Negative	N/A	MFLer
29a	2nd floor – kitchen – bottom layer – 12" beige floor tile	Negative	N/A	MF12e
29b	2nd floor – kitchen – bottom layer – under beige floor tile – mastic	Negative	N/A	MF12e
30	Roof – top layer east side – brown asphalt shingle	Negative	N/A	MRSn
31	Roof – top layer west side – brown asphalt shingle	Negative	N/A	MRSn
32	Roof – top layer north side – brown asphalt shingle	Negative	N/A	MRSn
33	Roof – 2nd layer east side – green asphalt shingle	Negative	N/A	MRSg
34	Roof – 2nd layer west side – green asphalt shingle	Negative	N/A	MRSg
35	Roof – 2nd layer north side – green asphalt shingle	Negative	N/A	MRSg
36	Exterior – at east window – caulk	Negative	N/A	MCLK
37	Exterior – at south window – caulk	Negative	N/A	MCLK
38	**Exterior – at west window – caulk**	**Positive 8% Chrysotile**	**29 Windows**	**MCLK**

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-At Chimney	Flashing	5 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPT	Tar Paper
MDW	Drywall Exterior
MDW2	Drywall Interior
MWM	Wall Mastic
MF12kg	12” Black & Green Floor Tile
MF12t	12” Tan Floor Tile
MF12kgw	12” Black/Green/White Floor Tile
MF12n	12” Brown Floor Tile
MF12e	12” Beige Floor Tile
MFLl	Yellow Linoleum
MFLw	White Linoleum
MFLe	Beige Linoleum
MFLt	Tan Linoleum
MFLkrw	Black/Red/White Linoleum
MFLge	Green & Beige Linoleum
MFLer	Beige & Red Linoleum
MRSn	Brown Asphalt Shingle
MRSg	Green Asphalt Shingle
MCLK	Caulk
TSI	Pipe Insulation Debris

Note#1: If additional materials are discovered during deconstruction and demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the deconstruction and demolition contractors.

V. EXCLUSIONS

No access to attic. 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:

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

N/A Fluorescent Lights

N/A High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor

N/A Neon

N/A 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

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
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: 14-200-042-2920

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 Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
005	5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
006	6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
007	7	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar

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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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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Brown Insulation	Asbestos Not Present	Cellulose 100	
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
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Date Analyzed: 12/19/2014
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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
010b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present	Wollastonite 3 Talc 3	Gypsum CaCO3 Paint
011a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
013	13	Layered	Brown Skim Coat	Asbestos Not Present	NA	Sand Gypsum

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
014	14	Layered	White Mastic	Asbestos Present Chrysotile 4	NA	Glue
014a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
015	15	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
016	16	Layered	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
016a		Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
016b		Layered	Cream Mastic	Asbestos Not Present	NA		Glue
017	17	Homogeneous	Black Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
018	18	Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
018a		Layered	Gray Sheet Vinyl Backing	Asbestos Not Present	Cellulose	90	Binder
018b		Layered	Cream Mastic	Asbestos Not Present	NA		Glue
018c		Layered	Blue Linoleum	Asbestos Not Present	Cellulose	40	Tar Binder
019	19	Homogeneous	Black Floor Tile	Asbestos Not Present	Cellulose	10	Vinyl CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
022	22	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
023	23	Homogeneous	Brown Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
024	24	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
024a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244908
Account Number: B929
Date Received: 12/19/2014
Received By: Judy Rowan
Date Analyzed: 12/19/2014
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: 14-200-042-2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
024b		Layered	Tan Linoleum	Asbestos Not Present	Cellulose	30	Tar Binder
025	25	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
026	26	Homogeneous	White Linoleum	Asbestos Not Present	Cellulose	30	Tar Binder
027	27	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose	30	Tar Binder
028	28	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose Synthetic	20 50	Binder
029	29	Layered	Tan Linoleum	Asbestos Not Present	Cellulose	40	Tar Binder
029a		Layered	Brown Mastic	Asbestos Not Present	NA		Glue

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

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QuanTEM LABORATORIES
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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	244908	Client:	Harenda Management Group Dean Jacobsen 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	12/19/2014		
Received By:	Judy Rowan		
Date Analyzed:	12/19/2014	Project:	DNS
Analyzed By:	Cristal Veech	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042-2920

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

Cristal Veech

Cristal Veech, Analyst

12/19/2014

Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 244908	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042-2920
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12/18/14 1800	Fed Ex	Judy Rowan	12/19/14 10:15

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☑				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☑				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 244908
Accept Reject

Project Information

Company: Harenda Management Group | Project Name: DNS | Project Location: Milwaukee, WI

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	☒				
12	12	☐				
13	13	☐				
14	14	☐				
15	15	☐				
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28	28	☐				
29	29	☑				
30		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244962
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/22/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	30	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
002	31	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
003	32	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
004	33	Homogeneous	Green/White Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
005	34	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
006	35	Homogeneous	Green/White Shingle	Asbestos Not Present	Cellulose	20	Quartz Tar
007	36	Homogeneous	White Caulk	Asbestos Not Present	NA		CaCO3 Binder

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.

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 244962
Account Number: B929
Date Received: 12/22/2014
Received By: Patrick Mlekush
Date Analyzed: 12/22/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2920

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	37	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
009	38	Homogeneous	Tan Caulk	Asbestos Present Chrysotile 8	NA	CaCO3

Gayle Ooten, Analyst

12/22/2014
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.

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 244962	
Accept	Reject

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

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	14-200-042.2920
P.O. Number:	

Report Results (☑ one box)	
☑	QuanTEM Website
☐	Other email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12/19/14 1700	FedEx	[signature]	12/22 1030

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	30	☒				
2	31	☐				
3	32	☐				
4	33	☐				
5	34	☐				
6	35	☐				
7	36	☐				
8	37	☐				
9	38	☑				
10		☐				

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

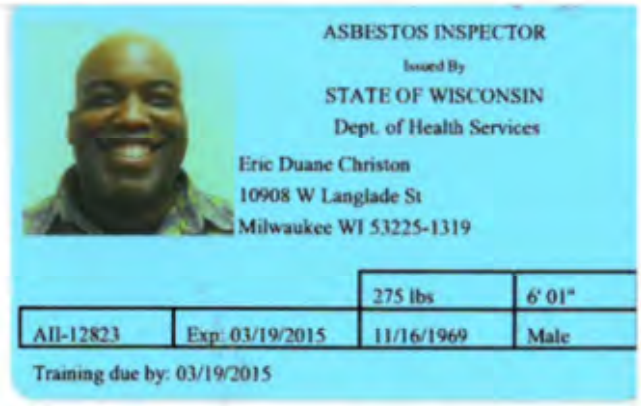
is certified under ch. HFS 159, Wis.Adm.Code as a

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,
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"
AII-12823	Exp: 03/19/2015	11/16/1969	Male

Training due by: 03/19/2015

COPY