w/P

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

2 Family Dwelling
2847 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.: 13-0105.2847
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

March 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 dwelling at 2847 North 6th Street, Milwaukee, Wisconsin.

The inspection included linoleum, ceramic tile, tar paper, fiberboard, texture, plaster, window glazing compound, blown in insulation, joint compound, flue packing 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 February 20, 2013, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2847 North 6th 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 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 linoleum, ceramic tile, tar paper, fiberboard, texture, plaster, window glazing compound, blown in insulation, joint compound, flue packing and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2847	1st floor – bathroom – beneath plywood – white linoleum	Negative	N/A	MFLw
2-2847a	1st floor – bathroom – on north wall – beige ceramic wall tile	Negative	N/A	MCTMe
2-2847b	1st floor – bathroom – on north wall – beige ceramic wall tile grout	Negative	N/A	MCTMe
3-2847	1st floor – front entry – top layer – beige/tan linoleum	Negative	N/A	MFLet
4-2847	1st floor – front entry – bottom layer – tar paper	Negative	N/A	MPT
5-2847	1st floor – kitchen – beneath floor tile, west side – tar paper	Negative	N/A	MPT
6-2847	1st floor – kitchen – beneath floor tile, east side – tar paper	Negative	N/A	MPT
7-2847	2nd floor – pantry – top layer – brown/gray linoleum	Negative	N/A	MFLny
8-2847	2nd floor – pantry – bottom layer – gray linoleum	Negative	N/A	MFLy
9-2847	2nd floor – kitchen – east side – beige/gray linoleum	Negative	N/A	MFLey
10-2847	2nd floor – kitchen – center – beige/gray linoleum	Negative	N/A	MFLey
11-2847	2nd floor – kitchen – west side – beige/gray linoleum	Negative	N/A	MFLey
12-2847	2nd floor – kitchen – beneath linoleum – fiberboard	Negative	N/A	MFB
13-2847	2nd floor – bathroom – tan/gray linoleum	Negative	N/A	MFLty
14-2847	2nd floor – dining room – ceiling – texture	Negative	N/A	STX
15-2847	2nd floor – bedroom – ceiling – texture	Negative	N/A	STX
16-2847	1st floor – kitchen – ceiling – texture	Negative	N/A	STX
17-2847a	2nd floor – living room – south wall – plaster base coat	Negative	N/A	SP1
17-2847b	2nd floor – living room – south wall – plaster skim coat	Negative	N/A	SP1
18-2847a	2nd floor – bedroom – north wall – plaster base coat	Negative	N/A	SP1

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2847b	2nd floor – bedroom – north wall – plaster skim coat	Negative	N/A	SP1
19-2847a	2nd floor – dining room – east wall – plaster base coat	Negative	N/A	SP1
19-2847b	2nd floor – dining room – east wall – plaster skim coat	Negative	N/A	SP1
20-2847a	2nd floor – kitchen – west wall – plaster base coat	Negative	N/A	SP1
20-2847b	2nd floor – kitchen – west wall – plaster skim coat	Negative	N/A	SP1
21-2847a	1st floor – west bedroom – west wall – plaster base coat	Negative	N/A	SP1
21-2847b	1st floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SP1
22-2847a	1st floor – dining room – north wall – plaster base coat	Negative	N/A	SP1
22-2847b	1st floor – dining room – north wall – plaster skim coat	Negative	N/A	SP1
23-2847	1st floor – living room – south wall – plaster	Negative	N/A	SP1
24-2847	2nd floor – dining room – south window – window glazing compound	Negative	N/A	MPG
25-2847	Basement – north window – window glazing compound	Negative	N/A	MPG
26-2847	1st floor – dining room – south window – window glazing compound	Negative	N/A	MPG
27-2847	2nd floor – living room – ceiling – texture # 2	Negative	N/A	STX #2
28-2847	1st floor – living room – ceiling – texture # 2	Negative	N/A	STX #2
29-2847	1st floor – dining room – ceiling – texture #2	Negative	N/A	STX #2
30-2847	Attic – on floor – blown in insulation	Negative	N/A	MBI
31-2847	Attic – on floor – blown in insulation	Negative	N/A	MBI
32-2847	Attic – on floor – blown in insulation	Negative	N/A	MBI
33-2847	2nd floor – dining room – patch on north wall – joint compound	Negative	N/A	MJC
34-2847	Basement – on chimney, west side – gray flue packing	Negative	N/A	TFPy
35-2847	Basement – on chimney, east side – light gray flue packing	Negative	N/A	TFPy light
36-2847	Basement – on 2 boots + return – duct wrap	**Positive 80% Chrysotile**	**8 Sq. Ft.**	**TDW**
37-2847	1st floor – kitchen – west side – brown linoleum	Negative	N/A	MFLn
38-2847	1st floor – kitchen – east side – brown linoleum	Negative	N/A	MFLn
39-2847	1st floor – kitchen – north side – brown linoleum	Negative	N/A	MFLn
40-2847a	1st floor – kitchen – ceiling – drywall	Negative	N/A	MDW
40-2847b	1st floor – kitchen – ceiling – joint compound	Negative	N/A	MDW
41-2847	Quality Assurance/ Quality Control Sample of Sample 1-2847	Negative	N/A	QAQC
42-2847	Quality Assurance/ Quality Control Sample of Sample 3-2847	Negative	N/A	QAQC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Siding	Dwelling	Asphalt Shingle Siding	2,750 Sq. Ft.
1st	Bathroom	Floor Tile & Mastic	80 Sq. Ft.
1st	Kitchen/Dining Room/Living Room/ Bedrooms	Floor & Wall Mastic	1,600 Sq. Ft.
2nd	Kitchen/Pantry/Bathroom/Living Room	Floor & Wall Mastic	600 Sq. Ft.

Homogeneous Material Codes

MFLw	White Linoleum
MCTMe	Beige Ceramic Wall Tile
MFLet	Beige/Tan Linoleum
MPT	Tar Paper
MFLny	Brown/Gray Linoleum
MFLy	Gray Linoleum
MFLey	Beige/Gray Linoleum
MFB	Fiberboard
MFLty	Tan/Gray Linoleum
STX	Texture
SP1	Plaster
MPG	Window Glazing Compound
STX #2	Texture # 2
MBI	Blown In Insulation
MJC	Joint Compound Patch
TFPy	Gray Flue Packing
TFPy light	Light Gray Flue Packing
TDW	Duct Wrap
MFLn	Brown Linoleum
MDW	Drywall/Joint Compound
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.

Note#4: Additional duct paper may be within walls and ceilings. Exploratory demolition required for exact quantity.

Note#5: Estimated cost for friable asbestos removal .....

V. EXCLUSIONS

Roof visible only from ground. No visible or accessible areas or material were excluded from this 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

1	Fluorescent Lights – 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

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

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

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 the 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

* 2 Water Heaters & 1 Water Meter in the Basement
* 16 One Gallon Cans of Paint in the Back Entry Way
* 4 One Gallon Cans of Paint in the 1st Floor Dining Room
* 2 Gas Meters on the Exterior

VIII. LABORATORY RESULTS

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. 218528
Account Number: B929
Date Received: 02/22/2013
Received By: Joanna Mueller
Date Analyzed: 02/28/2013
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: 13-0105.2847

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1-2847	Homogeneous	White Sheet Vinyl	Asbestos Not Present	NA		Vinyl
002	2-2847	Layered	White Ceramic Tile	Asbestos Not Present	NA		Clay
002a		Layered	Tan Grout	Asbestos Not Present	NA		CaCO3
003	3-2847	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose	30	Vinyl
					Wollastonite	2	
					Glass Fiber	5	
					Synthetic	<1	
004	4-2847	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	40	Tar
005	5-2847	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	40	Tar
006	6-2847	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	40	Tar

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Jolene Harenda
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New Berlin, WI 53151-2105

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Project Location: Milwaukee, WI
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007	7-2847	Homogeneous	Brown Vinyl	Asbestos Not Present	Glass Fiber	3	Vinyl
008	8-2847	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose Synthetic	30 <1	Tar Binder
009	9-2847	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	30 5	Vinyl
010	10-2847	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	30 5	Vinyl
011	11-2847	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	30 5	Vinyl
012	12-2847	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose	99	
013	13-2847	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber	10	Vinyl CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-2847	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
015	15-2847	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
016	16-2847	Homogeneous	White Texture	Asbestos Not Present	Cellulose 20	CaCO3
017	17-2847	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
017a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
018	18-2847	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand

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018b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
019	19-2847	Layered	White Skim Coat	Asbestos Not Present	Cellulose 5 Talc 5	CaCO3
019a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
020	20-2847	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
020a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
021	21-2847	Layered	White Texture	Asbestos Not Present	Talc 8	CaCO3
021a		Layered	White Skim Coat	Asbestos Not Present	Talc 2	CaCO3

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021b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
022	22-2847	Layered	White Skim Coat	Asbestos Not Present	Cellulose 2	CaCO3 Paint
022a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
023	23-2847	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
024	24-2847	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
025	25-2847	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
026	26-2847	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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027	27-2847	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
028	28-2847	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29-2847	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
030	30-2847	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	
031	31-2847	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	
032	32-2847	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33-2847	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose <1	CaCO3 Gypsum
034	34-2847	Homogeneous	Gray Grout	Asbestos Not Present	Cellulose 2	CaCO3 Sand
035	35-2847	Homogeneous	Gray Cement	Asbestos Not Present	Cellulose <1	CaCO3 Sand
036	36-2847	Homogeneous	White Insulation	Asbestos Present Chrysotile 80	Cellulose 15	Binder
037	37-2847	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 60 Glass Fiber 10	Vinyl
038	38-2847	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Glass Fiber 5 Synthetic 2	Vinyl
039	39-2847	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 35 Glass Fiber 5 Synthetic 5	Vinyl

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.

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.: 218528
Account Number: B929
Date Received: 02/22/2013
Received By: Joanna Mueller
Date Analyzed: 02/28/2013
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: 13-0105.2847

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
040	40-2847	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
040a		Layered	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	15 3	Gypsum
041	41-2847	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	10	Vinyl
042	42-2847	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Wollastonite Synthetic	60 <1 <1	Vinyl

Jeff Mlekush, Laboratory Manager

3/1/2013
Date of Report

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

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QUANTEM LABORATORIES
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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

Lab No. 218528
Accept Reject

Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	☐ QuanTEM Website
Contact: Crysta Font	Cell Phone:	Project Location: Milwaukee, WI	☑ Other email
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-0105.2847	
Sampler: Dean Jacobsen	Date: 2/20/13	P.O. Number:	

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	2/21/13	[illegible]	[illegible]	2/22/13	7:45

☑ 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		☐ 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

	Sample ID	Positive Stop	Volume	Date Sampled	Date Analyzed	Comments/Notes
1	1-2847	☒				Do Not Analyze Mastic
2	2-2847	☐				
3	3-2847	☐				
4	4-2847	☐				
5	5-2847	☐				
6	6-2847	☐				
7	7-2847	☐				
8	8-2847	☐				
9	9-2847	☐				
10	10-2847	☑				

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

Lab No. 218528
Accept Reject

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

11	11-2847	☑				Do Not Analyze Mastic
12	12-2847	☐				
13	13-2847	☐				Do Not Analyze Mastic
14	14-2847	☐				
15	15-2847	☐				
16	16-2847	☐				
17	17-2847	☐				
18	18-2847	☐				
19	19-2847	☐				
20	20-2847	☐				
21	21-2847	☐				
22	22-2847	☐				
23	23-2847	☐				
24	24-2847	☐				
25	25-2847	☐				
26	26-2847	☐				
27	27-2847	☐				
28	28-2847	☐				
29	29-2847	☐				
30	30-2847	☑				

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

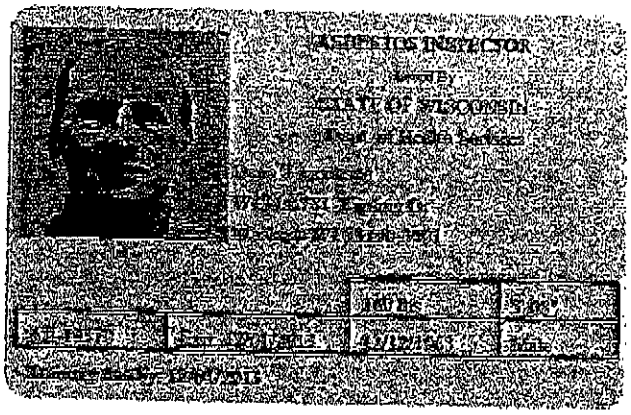
Lab No. 218528
Accept Reject

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

31	31-2847	☒				
32	32-2847	☐				
33	33-2847	☐				
34	34-2847	☐				
35	35-2847	☐				
36	36-2847	☐				
37	37-2847	☐				
38	38-2847	☐				Do Not Analyze Mastic
39	39-2847	☐				↓
40	40-2847	☐				
41	41-2847	☐				
42	42-2847	☑				
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"

IX. HMG CERTIFICATION


ELEVATOR INSPECTOR
STATE OF WISCONSIN

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

One Family Dwelling
2841 North 11th Lane
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.: 14-200-042.2841
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 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 2841 North 11th Lane, Milwaukee, Wisconsin.

The inspection included plaster, ceiling tile, window glazing compound, linoleum, drywall/joint compound, 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 June 6, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2841 North 11th Lane, 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 except where friable.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, 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, ceiling tile, window glazing compound, linoleum, drywall/joint compound, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1st floor – living room – 1' x 2' ceiling tile	Negative	N/A	MSCT12
2	**1st floor – living room – east window – glazing compound**	**Positive 3% Chrysotile**	**20 Windows**	**MPG**
3	**1st floor – stair – west window – glazing compound**	**Positive 3% Chrysotile**	**Reference Sample 2**	**MPG**
4	2nd floor – stair – west window – glazing compound	Negative	N/A	MPG
5a	1st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPl
5b	1st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPl
6a	1st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPl
6b	1st floor – dining room – east wall – plaster base coat	Negative	N/A	SPl
7a	2nd floor – bedroom – ceiling – plaster skim coat	Negative	N/A	SPl
7b	2nd floor – bedroom – ceiling – plaster base coat	Negative	N/A	SPl
8a	2nd floor – bedroom – east wall – plaster skim coat	Negative	N/A	SPl
8b	2nd floor – bedroom – east wall – plaster base coat	Negative	N/A	SPl
9a	1st floor – bedroom – ceiling – plaster skim coat	Negative	N/A	SPl
9b	1st floor – bedroom – ceiling – plaster base coat	Negative	N/A	SPl
10	**1st floor – kitchen – under floor tile and plywood – yellow linoleum**	**Positive 25% Chrysotile**	**70 Sq. Ft.**	**MFLl**
11a	1st floor – kitchen – under yellow linoleum – green linoleum	Trace <1% Chrysotile	N/A	MFLg
11a	POINT COUNT RESULT	Negative	N/A	MFLg
11b	1st floor – kitchen – under green linoleum – black linoleum	Negative	N/A	MFLk
12	1st floor – bathroom – top layer – cream linoleum	Negative	N/A	MFLc
13	1st floor – bathroom – under wall tile – mastic	Negative	N/A	MWM
14	1st floor – back hall – tan linoleum	Negative	N/A	MFLt
15	1st floor – living room – east wall under wood panel – mastic #2	Negative	N/A	MWM2
16	1st floor – dining room – west wall under wood panel – mastic #2	Negative	N/A	MWM2
17	1st floor – kitchen – north wall under wood panel – mastic #2	Negative	N/A	MWM2
18	1st floor – rear stair – top layer – beige linoleum	Negative	N/A	MFLe

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19	1st floor – rear stair – bottom layer – black and brown linoleum	Negative	N/A	MFLkn
20	**2nd floor – bathroom – gold linoleum**	**Positive 25% Chrysotile**	**40 Sq. Ft.**	**MFLd**
21	2nd floor – living room – red and white linoleum	Negative	N/A	MFLrw
22	2nd floor – bedroom – gray linoleum	Negative	N/A	MFLy
23	2nd floor – living room – north wall – drywall	Negative	N/A	MDW
24a	2nd floor – living room – ceiling – joint compound	Positive 2% Chrysotile	N/A	MDW
24b	2nd floor – living room – ceiling – drywall	Negative	N/A	MDW
24b	**COMPOSITE POINT COUNT RESULT** ***Quantity includes 2nd floor stair, back hall, bathroom, and living room***	**Positive 1.25% Chrysotile**	**1,200 Sq. Ft.**	**MDW**
25	2nd floor – stair – ceiling – drywall	Negative	N/A	MDW
26	Basement – on south side of chimney – silver flue packing	Negative	N/A	TFPs
26	Basement – on south side of chimney – gray flue packing	Negative	N/A	TFPy
27	Basement – on east side of chimney – dark gray flue packing	Negative	N/A	TFPydark

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	600 Sq. Ft.
1st /2nd	Dwelling	Asphalt Shingle Siding	1,200 Sq. Ft.
1st	Kitchens/Dining Room/Bathroom	Floor Tile & Mastic	250 Sq. Ft.
1st	Entry/Stair/Back Hall	Floor Mastic	70 Sq. Ft.
2nd	All Rooms	Floor Mastic	250 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPG	Glazing Compound
MSCT12	1’ x 2’ Ceiling Tile
MDW	Drywall/Joint Compound
MFLl	Yellow Linoleum
MFLg	Green Linoleum
MFLt	Tan Linoleum
MFLc	Cream Linoleum
MFLe	Beige Linoleum
MFLk	Black Linoleum
MFLkn	Black & Brown Linoleum
MFLd	Gold Linoleum
MFLrw	Red & White Linoleum
MFLy	Gray Linoleum
MWM	Wall Mastic
MWM2	Wall Mastic #2
TFPs	Silver Flue Packing
TFPy	Gray Flue Packing
TFPydark	Dark Gray 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

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. 236458
Account Number: B929
Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
002	2	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
003	3	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
004	4	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone Binder
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

Project: DNS
Project Location: Milwaukee
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
007a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
008	8	Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3
008a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
009a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum

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Jolene Harenda
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
011	11	Layered	Green Linoleum Top	Asbestos Present Chrysotile <1	NA	CaCO3 Binder
011a		Layered	Black Linoleum Bottom	Asbestos Not Present	Cellulose 60	Tar
012	12	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 20 Glass Fiber 5	Vinyl
013	13	Homogeneous	Purple Wallboard	Asbestos Not Present	Glass Fiber 80	Resin
014	14	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
015	15	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue
017	17	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue
018	18	Homogeneous	Yellow Flooring	Asbestos Not Present	Glass Fiber 10	Vinyl CaCO3
019	19	Homogeneous	Black Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
020	20	Homogeneous	Beige Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
021	21	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
022	22	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar

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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. 236458
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
024	24	Layered	Tan Joint Compound	Asbestos Present Chrysotile 2	NA	CaCO3
024a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
025	25	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
026	26	Layered	Silver Paint	Asbestos Not Present	NA	Paint
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Clay
027	27	Homogeneous	Gray Insulation	Asbestos Not Present	Wollastonite 80	CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	236458	Client:	Harenda Management Group Jolene Harenda 1237 West Bruce St. Milwaukee, WI 53204
Account Number:	B929		
Date Received:	06/10/2014		
Received By:	William Mlekush		
Date Analyzed:	06/17/2014	Project:	DNS
Analyzed By:	Cristal Veech	Project Location:	Milwaukee
Methodology:	EPA/600/R-93/116	Project Number:	14-200-042.2841

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

Cristal Veech, Analyst

6/17/2014
Date of Report

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

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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. 736 448	
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:	14-200-042.2841
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	6/9/14 1800	FedEx	William W Letsche	6/10/14 10:45AM

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	☒				Do Not Test Mastic

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. 236458
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	☐				Do Not Test Mastic
19	19	☐				
20	20	☐				
21	21	☐				
22	22	☐				
23	23	☐				
24	24	☐				
25	25	☐				
26	26	☐				
27	27	☐				
28		☐				
29		☐				
30		☐				

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236769
Account Number: B929
Date Received: 06/18/2014
Received By: Judy Rowan
Date Analyzed: 06/18/2014
Analyzed By: Shweta Harankhedkar
Methodology: EPA/600/R-93/116

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

Project: DNS PT CT FOR 236458
Project Location: Milwaukee, WI
Project Number: 14-200-042.2841

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	11	Homogeneous	Cream Linoleum Top	Asbestos Not Present 400 Point Count	NA	
002	24	Composite	White Joint Compound / Sheetrock	Asbestos Present Chrysotile 1.25 400 Point Count	NA	

Shweta Harankhedkar, Analyst

6/18/2014
Date of Report

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

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QUANTEM LABORATORIES
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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. 236769
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:	14-200-042.2841
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	6/17/14 1645	Email	Judy Rowan	6/19/14 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	11	☑		green layer		Quantem Lab #236458
2	24	☑				Composite Point Count
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:

One Family Dwelling
2533 North 20th 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.: 14-200-042.2533
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 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 2533 North 20th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, ceiling tile, linoleum, duct paper, drywall/joint compound, window glazing compound, 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 June 6, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2533 North 20th 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, tar paper, ceiling tile, linoleum, duct paper, drywall/joint compound, window glazing compound, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – east wall under aluminum siding – tar paper	Negative	N/A	MPT
2	Exterior – west wall under aluminum siding – tar paper	Negative	N/A	MPT
3	Exterior – north wall under aluminum siding – tar paper	Negative	N/A	MPT
4a	1st floor – entry – south wall – plaster skim coat	Negative	N/A	SPl
4b	1st floor – entry – south wall – plaster base coat	Negative	N/A	SPl
5a	1st floor – dining room – south wall – plaster skim coat	Negative	N/A	SPl
5b	1st floor – dining room – south wall – plaster base coat	Negative	N/A	SPl
6a	1st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPl
6b	1st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPl
7a	Attic – ceiling – patch layer	Negative	N/A	SPl
7b	Attic – ceiling – plaster skim coat	Negative	N/A	SPl
7c	Attic – ceiling – plaster base coat	Negative	N/A	SPl
8a	Attic – north wall – plaster skim coat	Negative	N/A	SPl
8b	Attic – north wall – plaster base coat	Negative	N/A	SPl
9	1st floor – dining room – 1' x 2' ceiling tile	Negative	N/A	MSCT12
10	1st floor – dining room – tan linoleum	Negative	N/A	MFLt
11	1st floor – bedroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
13	**1st floor – kitchen – on wall duct – duct paper** ***Quantity includes 1st floor and basement ducts***	**Positive 50% Chrysotile**	**75 Sq. Ft.**	**TDW**
15a	1st floor – kitchen – white linoleum	Negative	N/A	MFLw
15b	1st floor – kitchen – under white linoleum – gray linoleum	Negative	N/A	MFLy
16a	Attic – north wall – joint compound	Positive 3% Chrysotile	N/A	MDW
16b	Attic – north wall – drywall	Negative	N/A	MDW
16	COMPOSITE POINT COUNT	Trace 0.25% Chrysotile	N/A	MDW
17a	Attic – west wall – joint compound	Positive 3% Chrysotile	N/A	MDW
17b	Attic – west wall – drywall	Negative	N/A	MDW
17	COMPOSITE POINT COUNT	Trace <0.25% Chrysotile	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18a	Attic – south wall – joint compound	Positive 3% Chrysotile	N/A	MDW
18b	Attic – south wall – drywall	Negative	N/A	MDW
18	COMPOSITE POINT COUNT	Trace 0.5% Chrysotile	N/A	MDW
19	Attic – north window – glazing compound	Negative	N/A	MPG
20	1st floor – pantry – west window – glazing compound	Negative	N/A	MPG
21	1st floor – porch – east window – glazing compound	Negative	N/A	MPG
22	Basement – on chimney top layer – gray flue packing	Negative	N/A	TFP
22	Basement – on chimney bottom layer – tan flue packing	Negative	N/A	TFP

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1st	Kitchens/Pantry	Floor Tile & Mastic	210 Sq. Ft.
1st	Dining Room	Floor Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPT	Tar Paper
MPG	Glazing Compound
MSCT12	1’ x 2’ Ceiling Tile
MSCT24P	2’ x 4’ Pinholed Ceiling Tile
MDW	Drywall/Joint Compound
MFLt	Tan Linoleum
MFLw	White Linoleum
TDW	Duct Paper
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.

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
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

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. 236454
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
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: 14-200-042.2533

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	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Gypsum Paint
004a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3	Quartz Sand
005	5	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Gypsum Paint
005a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3	Quartz Sand

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. 236454
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Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
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: 14-200-042.2533

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
006	6	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Gypsum Paint
006a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	4	Quartz Sand
007	7	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Gypsum Paint
007a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3	Quartz Sand
007b		Layered	White Plaster	Asbestos Not Present	Cellulose	<1	Quartz Sand
008	8	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Gypsum 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. 236454
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
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: 14-200-042.2533

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
008a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	<1	Quartz Sand
009	9	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	90	Paint
010	10	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
011	11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Paint
012	12	**	** **	**	Not Analyzed		
No Sample Received							
013	13	Homogeneous	Brown Insulation	Asbestos Present Chrysotile 50	Cellulose	40	Binder
014	14	**	** **	**	Not Analyzed		
No Sample Received							

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. 236454
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
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: 14-200-042.2533

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam
015a		Layered	Light Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Glass Fiber 5 Synthetic 5	Vinyl Foam
016	16	Layered	Cream Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
017	17	Layered	White Joint Compound	Asbestos Present Chrysotile 3	Cellulose 70	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
018	18	Layered	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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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236454
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
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: 14-200-042.2533

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
019	19	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA		CaCO3 Paint
020	20	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA		CaCO3 Paint
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA		CaCO3 Paint
022	22	Layered	Gray Sealant	Asbestos Not Present	Wollastonite	90	Binder
022a		Layered	Tan Plaster	Asbestos Not Present	NA		Quartz Sand

Sandy Baker, Analyst

6/17/2014
Date of Report

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

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

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. 236454
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:	14-200-042.2533
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	6/9/14 1800	FedEx	William Ulrekule	6/10/14 10:15 AM

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	☒				Do Not Test Mastic

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 236454
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	☐				Do Not Test Mastic
16	16	☐				
17	17	☐				
18	18	☐				
19	19	☐				
20	20	☐				
21	21	☐				
22	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. 236770
Account Number: B929
Date Received: 06/18/2014
Received By: Judy Rowan
Date Analyzed: 06/19/2014
Analyzed By: Shweta Harankhedkar
Methodology: EPA/600/R-93/116

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

Project: DNS Pt Ct for 236454
Project Location: Milwaukee, WI
Project Number: 14-200-042.2533

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	16	Composite	Cream Texture / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
002	17	Composite	White Joint Compound / Sheetrock	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
003	18	Composite	White Texture/ Sheetrock	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Shweta Harankhedkar, Analyst

6/19/2014
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. 236720
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:	14-200-042.2533
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	6/17/14 1550	Email	Judy Rowan	6/18/14 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	16	☑				Composite Point Count
2	17	☑				Composite Point Count
3	18	☑				Composite Point Count
4		☐				Quantem Lab ~~#236443~~.
5		☐				236454
6		☐				SNL
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:

One Family Dwelling
208 West Center 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.: 14-200-042.208
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 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 208 West Center Street, Milwaukee, Wisconsin.

The inspection included plaster, transite, tar paper, duct paper, ceramic tile, ceiling tile, and linoleum to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M.*

II. BUILDING SURVEY

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

On May 20, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 208 West Center 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, transite, tar paper, duct paper, ceramic tile, ceiling tile, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	**Exterior – north wall – transite siding** ***30 sq. ft. on southwest basement shelf***	**Positive 20% Chrysotile**	**3,100 Sq. Ft.**	**MTP**
2	**Exterior – east wall – transite siding**	**Positive 20% Chrysotile**	**Reference Sample 1**	**MTP**
3	**Exterior – south wall – transite siding**	**Positive 20% Chrysotile**	**Reference Sample 1**	**MTP**
4	Exterior – north wall under transite – tar paper	Negative	N/A	MPT
5	Exterior – east wall under transite – tar paper	Negative	N/A	MPT
6	Exterior – south wall under transite – tar paper	Negative	N/A	MPT
7	**Basement – center room on duct – duct paper**	**Positive 70% Chrysotile**	**220 Sq. Ft.**	**TDW**
8	**Basement – center room on duct – duct paper**	**Positive 70% Chrysotile**	**Reference Sample 7**	**TDW**
9	**Basement – north room on duct – duct paper**	**Positive 70% Chrysotile**	**Reference Sample 7**	**TDW**
10a	Basement – north wall – plaster skim coat	Negative	N/A	SPl
10b	Basement – north wall – plaster base coat	Negative	N/A	SPl
11a	2nd floor – east bedroom – north wall – plaster skim coat	Negative	N/A	SPl
11b	2nd floor – east bedroom – north wall – plaster base coat	Negative	N/A	SPl
12a	2nd floor – hall – east wall – plaster skim coat	Negative	N/A	SPl
12b	2nd floor – hall – east wall – plaster base coat	Negative	N/A	SPl
13	2nd floor – stair – ceiling – plaster	Negative	N/A	SPl
14a	1st floor – living room – south wall – patch layer	Negative	N/A	SPl
14b	1st floor – living room – south wall – plaster skim coat	Negative	N/A	SPl
14c	1st floor – living room – south wall – plaster base coat	Negative	N/A	SPl
15a	1st floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
15b	1st floor – bathroom floor – grout	Negative	N/A	MCTMw
16	1st floor – dining room – north side – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
17	1st floor – dining room – south side – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
18	1st floor – northwest bedroom – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
19	1st floor – kitchen – beige and red linoleum	Negative	N/A	MFLer

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	Built up Roofing & Flashing	1,200 Sq. Ft.
1st	Kitchen/Entry/Bedroom/Dining Room	Floor Tile & Mastic	550 Sq. Ft.
1st	Bathroom	Floor Mastic	40 Sq. Ft.
2nd	Kitchen	Floor Tile & Mastic	100 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MTP	Transite
MPT	Tar Paper
MCTMw	White Ceramic Tile
MSCT24	2' x 4' Ceiling Tile
MFLer	Beige & Red Linoleum
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

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

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

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

VI. LIMITATIONS

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

opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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 – 2 Electric Meters & 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

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235807
Account Number: B929

Date Received: 05/22/2014
Received By: Joanna Mueller
Date Analyzed: 05/29/2014
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: 14-200-042.208

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile	20	NA		CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile	20	NA		CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile	20	NA		CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present		Cellulose	60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present		Cellulose	60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present		Cellulose	60	Tar
007	7	Homogeneous	Gray Insulation	Asbestos Present Chrysotile	70	Cellulose	15	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.

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235807
Account Number: B929

Date Received: 05/22/2014
Received By: Joanna Mueller
Date Analyzed: 05/29/2014
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: 14-200-042.208

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile	70	Cellulose	15	Binder
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile	70	Cellulose	15	Binder
010	10	Layered	White Skim Coat	Asbestos Not Present		NA		CaCO3 Paint
010a		Layered	Gray Plaster	Asbestos Not Present		NA		Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present		NA		CaCO3
011a		Layered	White Plaster	Asbestos Not Present		NA		Sand CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present		NA		CaCO3

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

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.208

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
013	13	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
014a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
014b		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
015a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder

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

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QuanTEM Lab No. 235807
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Date Received: 05/22/2014
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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: 14-200-042.208

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	40	Perlite Paint
017	17	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	40	Perlite Paint
018	18	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	40	Perlite Paint
019	19	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl

Cristal Veech, Analyst

5/29/2014
Date of Report

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

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

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. 235807	
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:	14-200-042.208
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	5/21/14 1800	FedEx	[signature]	5-22-14 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	☐ 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

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. 235807
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	☑				Do Not Test Matrix
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"

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:

Two Family Dwelling
2823 South Clement 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.: 14-200-042.2823
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

April 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 2823 South Clement Avenue, Milwaukee, Wisconsin.

The inspection included plaster, stucco, texture, window glazing compound, shingle siding, fiberboard, tar paper, drywall/joint compound, ceiling tile, linoleum, duct paper, flue packing, 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.*

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 April 11, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2823 South Clement Avenue, 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 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, stucco, texture, window glazing compound, shingle siding, fiberboard, tar paper, drywall/joint compound, ceiling tile, linoleum, duct paper, flue packing, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1st floor – east window – glazing compound	Negative	N/A	MPG
2	2nd floor – living room – east window – glazing compound	Negative	N/A	MPG
3	Attic – east window – glazing compound	Negative	N/A	MPG
4a	Exterior – east wall on brick – stucco skim coat	Negative	N/A	STC
4b	Exterior – east wall on brick – stucco base coat	Negative	N/A	STC
5a	Exterior – south wall on brick – stucco skim coat	Negative	N/A	STC
5b	Exterior – south wall on brick – stucco base coat	Negative	N/A	STC
6a	Exterior – north wall on brick – stucco skim coat	Negative	N/A	STC
6b	Exterior – north wall on brick – stucco base coat	Negative	N/A	STC
7a	Exterior – east wall under fiberboard – shingle siding	Negative	N/A	MSS
7b	Exterior – east wall under shingle siding – tar paper	Negative	N/A	MSS
8a	Exterior – south wall under fiberboard – shingle siding	Negative	N/A	MSS
8b	Exterior – south wall under shingle siding – tar paper	Negative	N/A	MSS
9a	Exterior – north wall under fiberboard – shingle siding	Negative	N/A	MSS
9b	Exterior – north wall under shingle siding – tar paper	Negative	N/A	MSS
10	Exterior – east wall under aluminum siding – fiberboard	Negative	N/A	MFB
11	Exterior – south wall under aluminum siding – fiberboard	Negative	N/A	MFB
12	Exterior – north wall under aluminum siding – fiberboard	Negative	N/A	MFB
13	Exterior – east wall under wood siding – tar paper	Negative	N/A	MPT
14	Exterior – south wall under wood siding – tar paper	Negative	N/A	MPT
15	Exterior – north wall under wood siding – tar paper	Negative	N/A	MPT
16a	1st floor – living room – west wall – joint compound	Negative	N/A	MDW
16b	1st floor – living room – west wall – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17a	2nd floor – north bedroom – south wall – joint compound	Negative	N/A	MDW
17b	2nd floor – north bedroom – south wall – drywall	Negative	N/A	MDW
18a	2nd floor – stair – north wall – joint compound	Negative	N/A	MDW
18b	2nd floor – stair – north wall – drywall	Negative	N/A	MDW
19	1st floor – bathroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
20	Attic – 2' x 4' ceiling tile	Negative	N/A	MSCT24
21	1st floor – north bedroom – 2' x 4' ceiling tile	Negative	N/A	MSCT24
22a	**1st floor – kitchen – east side under 2 layers floor tile – gold linoleum**	**Positive 60% Chrysotile**	**240 Sq. Ft.**	**MFLd**
22b	1st floor – kitchen – east side under linoleum – tar paper	Negative	N/A	MPT
23a	**1st floor – kitchen – north side under 2 layers floor tile – gold linoleum**	**Positive 25% Chrysotile**	**Reference Sample 22**	**MFLd**
23b	1st floor – kitchen – north side under linoleum – tar paper	Negative	N/A	MPT
24a	**1st floor – kitchen – west side under 2 layers floor tile – gold linoleum**	**Positive 25% Chrysotile**	**Reference Sample 22**	**MFLd**
24b	1st floor – kitchen – west side under linoleum – tar paper	Negative	N/A	MPT
25	1st floor – kitchen – east wall – texture	Negative	N/A	STX
26	1st floor – stair – north wall – texture	Negative	N/A	STX
27	2nd floor – living room – west wall – texture	Negative	N/A	STX
27B	Attic – stair – west wall – texture	Negative	N/A	STX
27C	2nd floor – stair – east wall – texture	Negative	N/A	STX
28	**Basement – west side on duct – duct paper**	**Positive 75% Chrysotile**	**8 Sq. Ft.**	**TDW**
29	**Basement – north side on duct – duct paper**	**Positive 75% Chrysotile**	**Reference Sample 28**	**TDW**
30	**Basement – east side on duct – duct paper**	**Positive 75% Chrysotile**	**Reference Sample 28**	**TDW**
31a	**Basement – east side on ceiling – brown mastic**	**Positive 2% Chrysotile**	**25 Sq. Ft.**	**MWM**
31b	**Basement – east side on ceiling – black mastic**	**Positive 4% Chrysotile**	**Reference Sample 31a**	**MWM**
32	**Basement – on chimney – flue packing**	**Positive 8% Chrysotile**	**4 Sq. Ft.**	**TFP**
33a	1st floor – bathroom – on wall – red ceramic tile	Negative	N/A	MCTMr
33b	1st floor – bathroom – on wall – grout	Negative	N/A	MCTMr
34a	1st floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
34b	1st floor – bathroom floor – grout	Negative	N/A	MCTMw
35a	2nd floor – bathroom – on wall – beige ceramic tile	Negative	N/A	MCTMe
35b	1st floor – bathroom – on wall – grout	Negative	N/A	MCTMe
35c	1st floor – bathroom – on wall – under ceramic tile – fiberboard	Negative	N/A	MCTMe
36a	Attic – stair – south wall – plaster skim coat	Negative	N/A	SPI
36b	Attic – stair – south wall – plaster base coat	Negative	N/A	SPI
37a	2nd floor – north bedroom – east wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
37b	2nd floor – north bedroom – east wall – plaster base coat	Negative	N/A	SPl
38a	2nd floor – living room – west wall – patch layer	Negative	N/A	SPl
38b	2nd floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
38c	2nd floor – living room – west wall – plaster base coat	Negative	N/A	SPl
39a	1st floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
39b	1st floor – living room – west wall – plaster base coat	Negative	N/A	SPl
40a	1st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPl
40b	1st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPl

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft
1st	Kitchen	Floor Tile & Mastic	480 Sq. Ft
1st	Bathroom	Floor & Wall Mastic	180 Sq. Ft
2nd	Kitchen	Floor Tile & Mastic	240 Sq. Ft
2nd	Bathroom	Floor & Wall Mastic	200 Sq. Ft

Homogeneous Material Codes

SPl	Plaster
STX	Texture
STC	Stucco
MPG	Glazing Compound
MSS	Shingle Siding
MFB	Fiberboard
MPT	Tar Paper
MDW	Drywall/Joint Compound
MSCT24	2' x 4' Ceiling Tile
MFLd	Gold Linoleum
MCTMr	Red Ceramic Tile
MCTMw	White Ceramic Tile
MCTMe	Beige Ceramic Tile
MWM	Wall Mastic
TDW	Duct Paper
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.

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

V. EXCLUSIONS

Roofs 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

6	Fluorescent Lights – 1st Floor Bathroom & 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

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

BOILERS, **FURNACES**, HEATERS AND TANKS – 2 Furnaces in Basement. 1 Furnace in Attic.

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 Garage. 2 Breaker Boxes in Basement. 1 Breaker Box in Attic.

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
4	Light Ballasts – 1st Floor Bathroom
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

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS

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. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929
Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
006	6	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA		Quartz CaCO3
007	7	Layered	Tan Siding	Asbestos Not Present	Cellulose	40	Quartz Tar
007a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
008	8	Layered	Tan Siding	Asbestos Not Present	Cellulose	40	Quartz Tar
008a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
009	9	Layered	Tan Siding	Asbestos Not Present	Cellulose	40	Quartz Tar

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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. 234192
Account Number: B929
Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
009a		Layered	Black Tar	Asbestos Not Present	Cellulose	60	Tar
010	10	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose	80	Tar
011	11	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose	80	Tar
012	12	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose	80	Tar
013	13	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	
014	14	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	
015	15	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	100	

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
016	16	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
016a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
017	17	Layered	White Joint Compound	Asbestos Not Present	NA		Quartz CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
018	18	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
019	19	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
022	22	Layered	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 10	Binder
022a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
023	23	Layered	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
023a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
024	24	Layered	Yellow Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
025	25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
029	29	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
030	30	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
031	31	Layered	Brown Mastic	Asbestos Present Chrysotile	2	Glass Fiber	5	Glue
031a		Layered	Black Mastic	Asbestos Present Chrysotile	4	Glass Fiber	15	Tar
032	32	Homogeneous	White Insulation	Asbestos Present Amosite	8	NA		CaCO3
033	33	Layered	Red Ceramic Tile	Asbestos Not Present		NA		Clay
033a		Layered	White Grout	Asbestos Not Present		NA		CaCO3
034	34	Layered	White Ceramic Tile	Asbestos Not Present		NA		Clay
034a		Layered	Gray Grout	Asbestos Not Present		NA		Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929
Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
035a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
035b		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
036	36	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
036a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
037	37	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
037a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Layered	Tan Texture	Asbestos Not Present	Cellulose 6	CaCO3 Paint
038a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
038b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
039	39	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
039a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
040	40	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
040a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234192
Account Number: B929

Date Received: 04/14/2014
Received By: Sherrie Leftwich
Date Analyzed: 04/21/2014
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
Project Location: Milwaukee, WI
Project Number: 14-200-042.2823

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
041	27B	Homogeneous	White Texture	Asbestos Not Present	Wollastonite	5	CaCO3
042	27C	Homogeneous	White Texture	Asbestos Not Present	Wollastonite	5	CaCO3

Gayle Ooten, Analyst

4/21/2014
Date of Report

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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. 234192
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:	14-200-042.2823
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[illegible]	4/11/14 1800	FedEx	S. Ruffovich	4/14/14 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

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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. 234192
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	☐				Do Not Test Mastic
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. 234192
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	39	☐				
40	40	☑				
41	27B	☒				
42	27C	☒				
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"

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

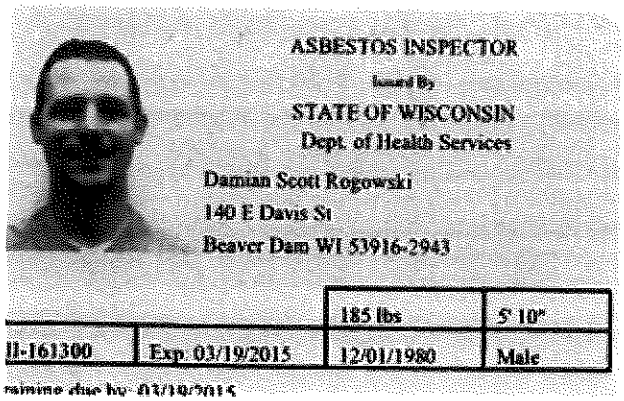
is certified under ch. HFS 159, Wis.Adm.Code as a

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

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

training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

One Family Dwelling
1015 West Hadley 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.: 14-200-042.1015
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 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 1015 West Hadley Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 20, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1015 West Hadley 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, magnesia insulation, drywall/joint compound, window glazing compound, ceiling tile, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	**Basement – debris on floor near stair & on ceiling near furnace – magnesia insulation**	**Positive 80% Chrysotile**	**20 Sq. Ft.**	**TM**
2a	1st floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPl
2b	1st floor – kitchen – east wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
3b	1st floor – living room – west wall – plaster base coat	Negative	N/A	SPl
4	1st floor – back hall – north wall – plaster	Negative	N/A	SPl
5a	2nd floor – east bedroom – ceiling – plaster skim coat	Negative	N/A	SPl
5b	2nd floor – east bedroom – ceiling – plaster base coat	Negative	N/A	SPl
6	2nd floor – northeast bedroom – south wall – plaster	Negative	N/A	SPl
7	1st floor – bathroom – west wall – texture	Negative	N/A	STX
8	2nd floor – north bedroom – ceiling – texture	Negative	N/A	STX
9	2nd floor – hall – ceiling – texture	Negative	N/A	STX
10	1st floor – living room – west wall – drywall	Negative	N/A	MDW
11a	1st floor – bedroom – east wall – joint compound	Negative	N/A	MDW
11b	1st floor – bedroom – east wall – drywall	Negative	N/A	MDW
12a	1st floor – entry – north wall – joint compound	Negative	N/A	MDW
12b	1st floor – entry – north wall – drywall	Negative	N/A	MDW
13	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
14	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
15	2nd floor – northeast bedroom – on window – glazing compound	Negative	N/A	MPG
16	2nd floor – bathroom – white linoleum	Negative	N/A	MFLw
17	1st floor – bedroom – 1’ x 1’ smooth ceiling tile	Negative	N/A	MSCT11S
18	2nd floor – bedroom – 1’ x 1’ grooved ceiling tile	Negative	N/A	MSCT11G

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	Built up Roofing & Flashing	1,300 Sq. Ft.
1st	Kitchen/Entry/Back Hall	Floor Tile & Mastic	240 Sq. Ft.
1st	Bathroom	Floor Mastic	30 Sq. Ft.
2nd	Stair	Floor Tile & Mastic	30 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MPG	Window Glazing Compound
MSCT11S	1' x 1' Smooth Ceiling Tile
MSCT11G	1' x 1' Grooved Ceiling Tile
MFLw	White Linoleum
TM	Magnesia Insulation

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior

to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

* 2 Gallons Paint in Living Room

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. 235810
Account Number: B929

Date Received: 05/22/2014
Received By: Joanna Mueller
Date Analyzed: 05/29/2014
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: 14-200-042.1015

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	White Insulation	Asbestos Present Chrysotile	80	Cellulose Synthetic	<1 <1	Binder
002	2	Layered	White Skim Coat	Asbestos Not Present		NA		CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present		NA		Sand CaCO3
003	3	Layered	White Skim Coat	Asbestos Not Present		NA		CaCO3
003a		Layered	Gray Plaster	Asbestos Not Present		NA		Sand CaCO3
004	4	Homogeneous	Gray Plaster	Asbestos Not Present		NA		Sand CaCO3
005	5	Layered	White Skim Coat	Asbestos Not Present		NA		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. 235810
Account Number: B929

Date Received: 05/22/2014
Received By: Joanna Mueller
Date Analyzed: 05/29/2014
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: 14-200-042.1015

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
008	8	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
009	9	Homogeneous	Tan Mastic	Asbestos Not Present	NA	Glue
010	10	Homogeneous	White Sheetrock	Asbestos Not Present	NA	Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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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. 235810
Account Number: B929

Date Received: 05/22/2014
Received By: Joanna Mueller
Date Analyzed: 05/29/2014
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: 14-200-042.1015

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5	Gypsum
012	12	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Perlite
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5	Gypsum
013	13	Homogeneous	Tan Caulk	Asbestos Not Present	NA		Silicone Binder
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA		CaCO3
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	NA		CaCO3
016	16	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235810
Account Number: B929

Date Received: 05/22/2014
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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.1015

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
017	17	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose	90	Paint
018	18	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose	90	Paint

Cristal Veech, Analyst

5/29/2014
Date of Report

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

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

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. 235810	
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:	14-200-042.1015
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	5/21/14 1800	FedEx	[signature]	5-22-14 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. 235810
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	☐				Do Not Test Mastic
17	17	☐				↓
18	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"

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:

One Family Dwelling
3652 North Martin L. King Drive
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.: 14-200-042.3652
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 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 3652 North Martin L. King Drive, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On June 6, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3652 North Martin L. King Drive, 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, transite siding, tar paper, fiberboard, window glazing compound, ceiling tile, drywall/joint compound, ceramic tile, linoleum, and duct paper . These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	**Exterior – north wall – transite siding**	**Positive 20% Chrysotile**	**2,800 Sq. Ft.**	**MTP**
2	**Exterior – south wall – transite siding**	**Positive 20% Chrysotile**	**Reference Sample 2**	**MTP**
3	**Exterior – west wall – transite siding**	**Positive 20% Chrysotile**	**Reference Sample 2**	**MTP**
4	Exterior – north wall under transite – tar paper	Negative	N/A	MPT
5	Exterior – south wall under transite – tar paper	Negative	N/A	MPT
6	Exterior – west wall under transite – tar paper	Negative	N/A	MPT
7	Exterior – north wall under tar paper – fiberboard	Negative	N/A	MFB
8	Exterior – south wall under tar paper – fiberboard	Negative	N/A	MFB
9	Exterior – west wall under tar paper – fiberboard	Negative	N/A	MFB
10	**1st floor – porch – on window – glazing compound**	**Positive 3% Chrysotile**	**32 Windows**	**MPG**
11	**2nd floor – bedroom – on window – glazing compound**	**Positive 5% Chrysotile**	**Reference Sample 11**	**MPG**
12	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
13a	1st floor – living room – south wall – plaster skim coat	Negative	N/A	SPl
13b	1st floor – living room – south wall – plaster basecoat	Negative	N/A	SPl
14a	2nd floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPl
14b	2nd floor – kitchen – ceiling – plaster basecoat	Negative	N/A	SPl
15a	2nd floor – living room – north wall – plaster skim coat	Negative	N/A	SPl
15b	2nd floor – living room – north wall – plaster basecoat	Negative	N/A	SPl
16a	2nd floor – stair – west wall – plaster skim coat	Negative	N/A	SPl
16b	2nd floor – stair – west wall – plaster basecoat	Negative	N/A	SPl
17a	Basement – stair – south wall – plaster skim coat	Negative	N/A	SPl
17b	Basement – stair – south wall – plaster basecoat	Negative	N/A	SPl
18	1st floor – living room – 2’ x 4’ grooved ceiling tile	Negative	N/A	MSCT24G
19	1st floor – living room – 2’ x 4’ grooved ceiling tile	Negative	N/A	MSCT24G
20	1st floor – bedroom – 2’ x 4’ grooved ceiling tile	Negative	N/A	MSCT24G

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
21	1st floor – south bedroom – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
22	1st floor – kitchen – south wall – drywall	Negative	N/A	MDW
23	1st floor – bathroom – on wall – white ceramic tile	Negative	N/A	MCTMw
24	1st floor – kitchen – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
25	**1st floor – back hall – under carpet – brown linoleum**	**Positive 4% Chrysotile**	**20 Sq. Ft.**	**MFLn**
26	**Basement – on octopus furnace – duct paper**	**Positive 85% Chrysotile**	**70 Sq. Ft.**	**TDW**
27	**Basement – on duct – duct paper**	**Positive 65% Chrysotile**	**Reference Sample 26**	**TDW**
28	**Basement – on duct – duct paper**	**Positive 75% Chrysotile**	**Reference Sample 26**	**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	Kitchens/Bathroom	Floor Tile & Mastic	500 Sq. Ft.
1st	Back Hall/Kitchen	Floor & Wall Mastic	200 Sq. Ft.
2nd	Kitchens/Bathroom	Floor Tile & Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MTP	Transite
MPT	Tar Paper
MFB	Fiberboard
MPG	Glazing Compound
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24p	2' x 4' Pinholed Ceiling Tile
MSCT24PG	2' x 4' Pinholed & Grooved Ceiling Tile
MDW	Drywall
MFLn	Brown Linoleum
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

2nd floor kitchen and bathroom floors covered with debris and only partially accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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 & 1 Water Heater 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

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236456
Account Number: B929

Date Received: 06/10/2014
Received By: William Mlekush
Date Analyzed: 06/17/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	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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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar
009	9	Homogeneous	Black Siding	Asbestos Not Present	Cellulose 70	Tar
010	10	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
011	11	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 5	NA	CaCO3
012	12	Homogeneous	Tan Window Glazing	Asbestos Not Present	Wollastonite 2	CaCO3
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 236456
Account Number: B929

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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: 14-200-042.3652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
015a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
016a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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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: 14-200-042.3652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
017a		Layered	Tan Plaster	Asbestos Not Present	NA		Sand CaCO3
018	18	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Paint
019	19	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Paint
020	20	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Paint
021	21	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Paint
022	22	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum Paint
023	23	Layered	White Ceramic Tile	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: 14-200-042.3652

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
024	24	Homogeneous	Blue Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
025	25	Homogeneous	Brown Floor Tile	Asbestos Present Chrysotile 4	NA	Vinyl CaCO3
026	26	Homogeneous	Red Insulation	Asbestos Present Chrysotile 85	NA	Binder
027	27	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
028	28	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 10	Binder

Cristal Veech
Cristal Veech, Analyst

6/17/2014
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. 236456	
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:	14-200-042.3652
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	6/9/14 1800	FedEx	[signature]	6/10/14 10:34AM

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	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. 286456
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	☐				Do Not Test Mastic
26	26	☐				
27	27	☐				
28	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"

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