HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

One Family Dwelling
3030 North 23rd 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.: 14-200-042.3030
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3030 North 23rd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 30, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3030 North 23rd 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, drywall/joint compound, window glazing compound, linoleum, duct paper, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1st floor – stair – east wall – plaster skim coat	Negative	N/A	SPl
1b	1st floor – stair – east wall – plaster base coat	Negative	N/A	SPl
2a	1st floor – pantry – south wall – plaster skim coat	Negative	N/A	SPl
2b	1st floor – pantry – south wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – stair – north wall – plaster skim coat	Negative	N/A	SPl
3b	1st floor – stair – north wall – plaster base coat	Negative	N/A	SPl
4a	1st floor – kitchen – south wall – joint compound	Negative	N/A	MDW
4b	1st floor – kitchen – south wall – drywall	Negative	N/A	MDW
5a	1st floor – living room – north wall – joint compound	Negative	N/A	MDW
5b	1st floor – living room – north wall – drywall	Negative	N/A	MDW
6a	1st floor – bathroom – south wall – joint compound	Negative	N/A	MDW
6b	1st floor – bathroom – south wall – drywall	Negative	N/A	MDW
7	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
8	1st floor – living room – on window – glazing compound	Negative	N/A	MPG
9	Attic – on window – glazing compound	Negative	N/A	MPG
10	1st floor – stair – under floor tile – tan linoleum	Negative	N/A	MFLt
11	1st floor – kitchen – under floor tile and plywood – brown linoleum	Negative	N/A	MFLn
12	**Basement – on duct – duct paper**	**Positive 75% Chrysotile**	**4 Sq. Ft.**	**TDW**
13	Basement – on chimney – 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	650 Sq. Ft.
1st	Bathroom/Pantry/Kitchen/Stair	Floor Tile & Mastic	250 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MFLt	Tan Linoleum

Homogeneous Material Codes

MFLn	Brown 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

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 Electric Meter on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238893
Account Number: B929
Date Received: 08/01/2014
Received By: Judy Rowan
Date Analyzed: 08/06/2014
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: 14-200-042.3030

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

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

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

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3030

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
004a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
005	5	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
005a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
006	6	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA		CaCO3 Paint
008	8	Homogeneous	White Window Glazing	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, WI
Project Number: 14-200-042.3030

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
010	10	Layered	Light Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
010a		Layered	Tan Floor Tile	Asbestos Present Chrysotile 6	NA	Vinyl CaCO3
011	11	Homogeneous	Beige Linoleum	Asbestos Not Present	Cellulose 60	Tar Vinyl
012	12	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 75	Cellulose 20	Binder
013	13	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

Sandy Baker, Analyst

8/6/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

238893

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 238893	
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:	14-200-042.3030
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	7/31/14 1800	FedEx	Judy Rawan	8/1/14 9:45

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	☒				
2	2	☐				
3	3	☐				
4	4	☐				
5	5	☐				
6	6	☐				
7	7	☐				
8	8	☐				
9	9	☐				
10	10	☒				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. _____	
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		☐				
15		☐				
16		☐				
17		☐				
18		☐				
19		☐				
20		☐				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

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IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2526 North 29th 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.: 14-200-042.2526
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
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July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2526 North 29th Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco patch, texture, paper insulation, fiberboard, linoleum, window glazing compound, blown in insulation, 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 July 30, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2526 North 29th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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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 patch, texture, paper insulation, fiberboard, linoleum, window glazing compound, blown in insulation, 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	Exterior – south wall under aluminum siding – paper insulation	Negative	N/A	MPI
2	Exterior – west wall under aluminum siding – paper insulation	Negative	N/A	MPI
3	Exterior – north wall under aluminum siding – paper insulation	Negative	N/A	MPI
4	Exterior – south wall under shingle siding – fiberboard	Negative	N/A	MFB
5	Exterior – west wall under shingle siding – fiberboard	Negative	N/A	MFB
6a	Exterior – north wall under shingle siding – fiberboard	Negative	N/A	MFB
6b	Exterior – north wall under fiberboard – tar paper	Negative	N/A	MFB
7	**1st floor – front entry – under floor tile – red linoleum**	**Positive 30% Chrysotile**	**20 Sq. Ft.**	**MFLr**
8a	1st floor – bathroom – top layer – tan and pink linoleum	Negative	N/A	MFLtp
8b	1st floor – bathroom – under tan and pink linoleum – leveling compound	Negative	N/A	MFLtp
9a	**1st floor – bathroom – 5th layer – gold linoleum**	**Positive 25% Chrysotile**	**50 Sq. Ft.**	**MFLd**
9b	1st floor – bathroom – 6th layer – cream linoleum	Negative	N/A	MFLc
9c	1st floor – bathroom – 7th layer – gray and tan linoleum	Negative	N/A	MFLyt
10	1st floor – living room – under carpet and floor tile – beige linoleum	Negative	N/A	MFLe
11	1st floor – dining room – under carpet and floor tile – beige linoleum	Negative	N/A	MFLe
12	1st floor – south bedroom – under carpet and floor tile – beige linoleum	Negative	N/A	MFLe
13	2nd floor – stair landing – top layer – white linoleum	Negative	N/A	MFLw
14	2nd floor – bathroom – top layer – pink and blue linoleum	Negative	N/A	MFLpb
15	2nd floor – bathroom – under plywood – red and black linoleum	Negative	N/A	MFLrk

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16	**2nd floor – bathroom – under red and black linoleum – gray linoleum**	**Positive 25% Chrysotile**	**50 Sq. Ft.**	**MFLy**
17	2nd floor – kitchen – north side – gray and blue linoleum	Negative	N/A	MFLyb
18	2nd floor – kitchen – west side – gray and blue linoleum	Negative	N/A	MFLyb
19	2nd floor – kitchen – east side – gray and blue linoleum	Negative	N/A	MFLyb
20a	1st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPl
20b	1st floor – kitchen – west wall – plaster base coat	Negative	N/A	SPl
21a	1st floor – dining room – west wall – wall paper	Negative	N/A	SPl
21b	1st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPl
21c	1st floor – dining room – west wall – plaster base coat	Negative	N/A	SPl
22a	1st floor – north bedroom – north wall – plaster skim coat	Negative	N/A	SPl
22b	1st floor – north bedroom – north wall – plaster base coat	Negative	N/A	SPl
23a	1st floor – south bedroom closet – north wall – patch layer	Negative	N/A	SPl
23b	1st floor – south bedroom closet – north wall – plaster skim coat	Negative	N/A	SPl
23c	1st floor – south bedroom closet – north wall – plaster base coat	Negative	N/A	SPl
24a	1st floor – living room– north wall – plaster skim coat	Negative	N/A	SPl
24b	1st floor – living room– north wall – plaster base coat	Negative	N/A	SPl
25	2nd floor – east bedroom – on window – glazing compound	Negative	N/A	MPG
26	**Basement – on window – glazing compound**	**Positive 2% Chrysotile**	**31 Windows**	**MPG**
27	**1st floor – living room – on window – glazing compound**	**Positive 2% Chrysotile**	**Reference Sample 26**	**MPG**
28a	2nd floor – east bedroom – south wall – patch layer	Negative	N/A	SPl
28b	2nd floor – east bedroom – south wall – plaster #2 skim coat	Negative	N/A	SPl
28c	2nd floor – east bedroom – south wall – plaster #2 base coat	Negative	N/A	SPl
29a	2nd floor – west bedroom – north wall – plaster #2 skim coat	Negative	N/A	SPl
29b	2nd floor – west bedroom – north wall – plaster #2 base coat	Negative	N/A	SPl
30a	2nd floor – living room – south wall – patch layer	Negative	N/A	SPl
30b	2nd floor – living room – south wall – plaster #2 skim coat	Negative	N/A	SPl
30c	2nd floor – living room – south wall – plaster #2 base coat	Negative	N/A	SPl
31a	2nd floor – kitchen – east wall – plaster #2 skim coat	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
31b	2nd floor – kitchen – east wall – plaster #2 base coat	Negative	N/A	SPl
32a	2nd floor – bathroom – west wall – plaster #2 skim coat	Negative	N/A	SPl
32b	2nd floor – bathroom – west wall – plaster #2 base coat	Negative	N/A	SPl
33a	1st floor – front entry – east wall – texture	Negative	N/A	STX
33b	1st floor – front entry – east wall – texture layer 2	Negative	N/A	STX
34a	1st floor – front entry – south wall – texture	Negative	N/A	STX
34b	1st floor – front entry – south wall – texture layer 2	Negative	N/A	STX
35	1st floor – front entry – west wall – texture	Negative	N/A	STX
36	2nd floor – living room – south wall – texture #2	Negative	N/A	STX2
37	2nd floor – dining room – east wall – texture #2	Negative	N/A	STX2
38	2nd floor – stair – ceiling – texture #2	Negative	N/A	STX2
39	1st floor – south bedroom – north wall – texture #2	Negative	N/A	STX2
40	1st floor – north bedroom – west wall – texture #2	Negative	N/A	STX2
41	**Basement – on west side of chimney – gray flue packing**	**Positive 3% Chrysotile**	**2 Sq. Ft.**	**TFPy**
42	**Basement – on east side of chimney – white flue packing**	**Positive 70% Chrysotile**	**2 Sq. Ft.**	**TFPw**
43	1st floor – stair – in north wall – blown in insulation	Negative	N/A	MBI
44	1st floor – kitchen – in south wall – blown in insulation	Negative	N/A	MBI
45	Exterior – in west wall – blown in insulation	Negative	N/A	MBI
46	1st floor – kitchen – west side top layer – tan and cream linoleum	Negative	N/A	MFLtc
47	1st floor – kitchen – east side top layer – tan and cream linoleum	Negative	N/A	MFLtc
48	1st floor – pantry – top layer – tan and cream linoleum	Negative	N/A	MFLtc
49a	**1st floor – kitchen – 4th layer west side – orange linoleum**	**Positive 25% Chrysotile**	**180 Sq. Ft.**	**MFLo**
49b	1st floor – kitchen – west side – under orange linoleum – tar paper	Negative	N/A	MFLo
50a	**1st floor – kitchen – 4th layer east side – orange linoleum**	**Positive 25% Chrysotile**	**Reference Sample 49a**	**MFLo**
50b	1st floor – kitchen – east side – under orange linoleum – tar paper	Negative	N/A	MFLo
51a	**1st floor – kitchen – 4th layer south side – orange linoleum**	**Positive 25% Chrysotile**	**Reference Sample 49a**	**MFLo**
51b	1st floor – kitchen – south side – under orange linoleum – tar paper	Negative	N/A	MFLo
52a	1st floor – dining room – west wall – joint compound	Negative	N/A	MDW
52b	1st floor – dining room – west wall – drywall	Negative	N/A	MDW
53a	1st floor – living room – north wall – joint compound	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
53b	1st floor – living room – north wall – joint compound layer 2	Negative	N/A	MDW
53c	1st floor – living room – north wall – drywall	Negative	N/A	MDW
54a	1st floor – living room – west wall – joint compound	Negative	N/A	MDW
54b	1st floor – living room – west wall – joint compound layer 2	Negative	N/A	MDW
54c	1st floor – living room – west wall – drywall	Negative	N/A	MDW
55	1st floor – bathroom – east wall – texture #3	Negative	N/A	STX3
56	1st floor – north bedroom – east wall – texture #4	Negative	N/A	STX4
57	Exterior – basement level – south wall at steps – stucco patch	Negative	N/A	STC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1st /2nd	Dwelling	Asphalt Shingle Siding	2,300 Sq. Ft.
1st	All Rooms	Floor Tile & Mastic	720 Sq. Ft.
2nd	Stair/Bathroom	Floor Tile & Mastic	80 Sq. Ft.
2nd	Kitchen	Floor Mastic	170 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
SPl2	Plaster #2
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
STC	Stucco
MPI	Paper Insulation
MFB	Fiberboard
MFLr	Red Linoleum
MFLtp	Tan & Pink Linoleum
MFLd	Gold Linoleum
MFLc	Cream Linoleum
MFLyt	Gray & Tan Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLpb	Pink & Blue Linoleum
MFLrk	Red & Black Linoleum
MFLw	White Linoleum
MFLyb	Gray & Blue Linoleum
MFLtc	Tan & Cream Linoleum
MFLo	Orange Linoleum
MPG	Glazing Compound
MBI	Blown in Insulation
MPT	Tar Paper
MDW	Drywall/Joint Compound
TFPy	Gray Flue Packing
TFPw	White 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 – 1 Furnace 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 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 Gas Meters on Exterior
* 1 Water Meter, 1 Gallon Used Oil, & 5 Gallons Paint in Basement

VIII. LABORATORY RESULTS

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238953
Account Number: B929
Date Received: 08/04/2014
Received By: Judy Rowan
Date Analyzed: 08/06/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2526

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	95	Binder
002	2	Homogeneous	Brown Paper	Asbestos Not Present	Cellulose	90	Foil
003	3	Homogeneous	Brown/White Paper	Asbestos Not Present	Cellulose	90	Binder
004	4	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose	100	
005	5	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose	100	
006	6	Layered	Brown Insulation	Asbestos Not Present	Cellulose	100	
006a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Homogeneous	Orange Sheet Vinyl	Asbestos Present Chrysotile 30	NA	Vinyl
008	8	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
008a		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3 Perlite
009	9	Layered	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
009a		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
009b		Layered	Gray Flooring	Asbestos Not Present	Cellulose 50 Synthetic 50	
010	10	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 15	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	11	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 15	Vinyl
012	12	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 15	Vinyl
013	13	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
014	14	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
015	15	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
016	16	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
017	17	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
018	18	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
019	19	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose	25	Vinyl
020	20	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Paint
020a		Layered	Gray Plaster	Asbestos Not Present	NA		Sand CaCO3
021	21	Layered	Tan Sheet Vinyl	Asbestos Not Present	NA		CaCO3 Perlite
021a		Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3
021b		Layered	Gray Plaster	Asbestos Not Present	NA		Sand CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
023	23	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
023b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
024	24	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	25	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
026	26	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
027	27	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
028	28	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
028b		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
029	29	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
030	30	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
030a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
030b		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
031	31	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
031a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand Gypsum
032	32	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
033	33	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
033a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Perlite
034	34	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
034a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Perlite
035	35	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
036	36	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
038	38	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
039	39	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
040	40	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
041	41	Homogeneous	Brown Stucco	Asbestos Present Chrysotile 3	NA	Sand CaCO3
042	42	Homogeneous	White Insulation	Asbestos Present Chrysotile 70	NA	CaCO3
043	43	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238953
Account Number: B929
Date Received: 08/04/2014
Received By: Judy Rowan
Date Analyzed: 08/06/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2526

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044	44	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
045	45	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
046	46	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
047	47	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
048	48	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
049	49	Layered	Orange Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
049a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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QUANTEM® LABORATORIES

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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: 14-200-042.2526

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
050	50	Layered	Orange Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
050a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
051	51	Layered	Orange Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
051a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
052	52	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
052a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
053	53	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Perlite

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238953
Account Number: B929
Date Received: 08/04/2014
Received By: Judy Rowan
Date Analyzed: 08/06/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2526

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
053b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
054	54	Layered	Tan Texture	Asbestos Not Present	NA	CaCO3 Perlite
054a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum
054b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
055	55	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
056	56	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238953
Account Number: B929
Date Received: 08/04/2014
Received By: Judy Rowan
Date Analyzed: 08/06/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2526

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
057	57	Homogeneous	Gray Concrete	Asbestos Not Present	NA	Sand CaCO3 Paint

Cristal Veech, Analyst

8/6/2014
Date of Report

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

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 238953
Accept Reject

Project Information

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	☒				
32	32	☐				
33	33	☐				
34	34	☐				
35	35	☐				
36	36	☐				
37	37	☐				
38	38	☐				
39	39	☐				
40	40	☐				
41	41	☐				
42	42	☐				
43	43	☐				
44	44	☐				
45	45	☐				
46	46	☐				Do Not Test Mastic
47	47	☐				
48	48	☐				
49	49	☐				
50	50	☑				

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

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. 238893
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
5_1	51	☒				Do Not Test/Mastic
5_2	52	☐				
5_3	53	☐				
5_4	54	☐				
5_5	55	☐				
5_6	56	☐				
5_7	57	☑				
_8		☐				
_9		☐				
_0		☐				
_1		☐				
_2		☐				
_3		☐				
_4		☐				
_5		☐				
_6		☐				
_7		☐				
_8		☐				
_9		☐				
_0		☐				

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For Lab Use Only	
Lab No. 238953	
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:	14-200-042.2526
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	8/1/14 1800	FedEx	Judy Rawan	8/4/14 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	☐				Do Not Test Mastic
8	8	☐				↓
9	9	☐				
10	10	☑				

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 238953
Accept Reject

Project Information

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

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

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

		160 lbs	5' 08"
AII-14370	Exp. 12/01/2014	12/12/1963	Male

Training due by: 12/01/2014

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

ASBESTOS INSPECTION REPORT
Job Site:

Two Family Dwelling
2501 North 34th Street
Milwaukee, Wisconsin

For:

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

HMG Report No.: 14-200-042.2501
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2501 North 34th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 14, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2501 North 34th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1st floor – dining room – ceiling – plaster skim coat	Negative	N/A	SPl
1b	1st floor – dining room – ceiling – plaster base coat	Negative	N/A	SPl
2a	1st floor – dining room – west wall – patch layer 1	Negative	N/A	SPl
2b	1st floor – dining room – west wall – patch layer 2	Negative	N/A	SPl
2c	1st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPl
2d	1st floor – dining room – west wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – bedroom – south wall – plaster skim coat	Negative	N/A	SPl
3b	1st floor – bedroom – south wall – plaster base coat	Negative	N/A	SPl
4a	2nd floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPl
4b	2nd floor – kitchen – north wall – plaster base coat	Negative	N/A	SPl
5a	2nd floor – dining room – ceiling – plaster skim coat	Negative	N/A	SPl
5b	2nd floor – dining room – ceiling – plaster base coat	Negative	N/A	SPl
6	1st floor – southeast bedroom – on window – glazing compound	Negative	N/A	MPG
7	1st floor – center bedroom – on window – glazing compound	Negative	N/A	MPG
8	2nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG
9a	1st floor – living room – south wall – joint compound	Negative	N/A	MDW
9b	1st floor – living room – south wall – drywall	Negative	N/A	MDW
10a	1st floor – southeast bedroom – north wall – joint compound	Negative	N/A	MDW
10b	1st floor – southeast bedroom – north wall – drywall	Negative	N/A	MDW
11a	2nd floor – back hall – ceiling – joint compound	Negative	N/A	MDW
11b	2nd floor – back hall – ceiling – drywall	Negative	N/A	MDW
12	1st floor – living room – 2’ x 4’ grooved ceiling tile	Negative	N/A	MSCT24G
13	1st floor – dining room east side – 2’ x 4’ grooved ceiling tile	Negative	N/A	MSCT24G

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14	1st floor – dining room west side – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
15	1st floor – center bedroom – 2' x 2' ceiling tile	Negative	N/A	MSCT22
16	1st floor – kitchen – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
17a	2nd floor – stair – east wall – texture	Negative	N/A	STX
17b	2nd floor – stair – east wall – texture layer 2	Negative	N/A	STX
18a	2nd floor – back hall – north wall – texture	Negative	N/A	STX
18b	2nd floor – back hall – north wall – texture layer 2	Negative	N/A	STX
19a	1st floor – stair – west wall – texture	Negative	N/A	STX
19b	1st floor – stair – west wall – texture layer 2	Negative	N/A	STX
20	2nd floor – kitchen – ceiling – plaster #2 skim coat	Negative	N/A	SPl2
20	2nd floor – kitchen – ceiling – plaster #2 base coat	Negative	N/A	SPl2
21a	2nd floor – kitchen – under plywood – black linoleum	Negative	N/A	MFLk
21b	2nd floor – kitchen – under linoleum – tar paper	Negative	N/A	MFLk
22	Basement – on west side of chimney – flue packing top layer	Negative	N/A	TFP
22	Basement – on west side of chimney – flue packing bottom layer	Negative	N/A	TFP
23	**Basement – on ducts – duct paper**	**Positive 65% Chrysotile**	**7 Sq. Ft.**	**TDW**

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1st /2nd	Dwelling	Asphalt Shingle Siding	3,000 Sq. Ft.
1st	Entry/Dining Room/ Kitchen/Stair/Bathroom	Floor Tile & Mastic	500 Sq. Ft.
2nd	Kitchen/Stair	Floor Tile & Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
SPl2	Plaster #2
STX	Texture
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24PG	2' x 4' Pinholed & Grooved Ceiling Tile
MSCT22	2' x 2' Ceiling Tile
MFLk	Black 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

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 Electric Meter 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
7	Junk Auto Tires – Basement
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. 238167
Account Number: B929

Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Texture	Asbestos Not Present	NA	Quartz Gypsum Paint
002a		Layered	Pink Texture	Asbestos Not Present	Cellulose 3 Talc 2	CaCO3
002b		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
002c		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238167
Account Number: B929

Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	White Plaster	Asbestos Not Present	Cellulose <1	Quartz Gypsum Perlite
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
006	6	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 238167
Account Number: B929

Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
008	8	Homogeneous	Black Caulk	Asbestos Not Present	NA		CaCO3 Binder
009	9	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
010	10	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	20	Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	25	Gypsum

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. 238167
Account Number: B929

Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
012	12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
013	13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
014	14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	80	Paint
015	15	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	60	Paint Foil
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Paint Perlite
017	17	Layered	White Texture	Asbestos Not Present	NA		CaCO3 Gypsum Paint
017a		Layered	White Texture	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. 238167
Account Number: B929
Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
018a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
019	19	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
019a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
020	20	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
021	21	Layered	Gray Flooring	Asbestos Not Present	Cellulose 40 Synthetic 40	Binder

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

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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. 238167
Account Number: B929

Date Received: 07/17/2014
Received By: Judy Rowan
Date Analyzed: 07/21/2014
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: 14-200-042.2501

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
022	22	Layered	Gray Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
023	23	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder

Gayle Ooten, Analyst

7/21/2014
Date of Report

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

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

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. 238167	
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:	14-200-042.2501
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dean Jacobsen	7/16/14 1800	FedEx	Judy Rowan	7/17/14 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

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 238167
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	☐				Do Not Test/Mastic
22	22	☐				
23	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
2530 North 36th 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.: 14-200-042.2530
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2530 North 36th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 10, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2530 North 36th 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, drywall/joint compound, linoleum, duct paper, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1st floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
1b	1st floor – living room – west wall – plaster base coat	Negative	N/A	SPl
2a	1st floor – bedroom – north wall – plaster skim coat	Negative	N/A	SPl
2b	1st floor – bedroom – north wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – pantry – east wall – plaster skim coat	Negative	N/A	SPl
3b	1st floor – pantry – east wall – plaster base coat	Negative	N/A	SPl
4a	2nd floor – living room – west wall – plaster skim coat	Negative	N/A	SPl
4b	2nd floor – living room – west wall – plaster base coat	Negative	N/A	SPl
5a	2nd floor – bedroom – south wall – plaster skim coat	Negative	N/A	SPl
5b	2nd floor – bedroom – south wall – plaster base coat	Negative	N/A	SPl
6a	1st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
6b	1st floor – kitchen – north wall – drywall	Negative	N/A	MDW
7	1st floor – kitchen – top layer – white linoleum	Negative	N/A	MFLw
8	1st floor – pantry – top layer – white linoleum	Negative	N/A	MFLw
9	1st floor – bathroom – top layer – white linoleum	Negative	N/A	MFLw
10	2nd floor – bathroom – under plywood – tan linoleum	Negative	N/A	MFLt
11	2nd floor – bathroom – bottom layer – yellow linoleum	Negative	N/A	MFLl
12a	2nd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
12b	2nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
13a	2nd floor – bedroom – east wall – joint compound	Negative	N/A	MDW
13b	2nd floor – bedroom – east wall – drywall	Negative	N/A	MDW
14	**Basement – on boots – duct paper**	**Positive 90% Chrysotile**	**8 Sq. Ft.**	**TDW**
15	**Basement – on chimney – flue packing**	**Positive 3% Chrysotile**	**2 Sq. Ft.**	**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	950 Sq. Ft.
1st /2nd	Dwelling	Asphalt Shingle Siding	2,600 Sq. Ft.
1st	Kitchen/Pantry/Bathroom	Floor Tile & Mastic	200 Sq. Ft.
2nd	Kitchen/Bathroom	Floor Tile & Mastic	230 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MDW	Drywall/Joint Compound
MFLw	White Linoleum
MFLt	Tan Linoleum
MFLl	Yellow 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 on 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. 237961
Account Number: B929

Date Received: 07/14/2014
Received By: William Mlekush
Date Analyzed: 07/17/2014
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: 14-200-042.2530

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
004	4	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum 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. 237961
Account Number: B929
Date Received: 07/14/2014
Received By: William Mlekush
Date Analyzed: 07/17/2014
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: 14-200-042.2530

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
006	6	Layered	White Texture	Asbestos Not Present	NA	Quartz CaCO3 Paint
006a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
007	7	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Foam

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 237961
Account Number: B929

Date Received: 07/14/2014
Received By: William Mlekush
Date Analyzed: 07/17/2014
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: 14-200-042.2530

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
008	8	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	25 5	Vinyl Foam
009	9	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	25 5	Vinyl Foam
010	10	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	25 5	Vinyl Foam
011	11	Homogeneous	Yellow/Gray Sheet Vinyl	Asbestos Not Present	Cellulose	75	Vinyl
012	12	Layered	White Texture	Asbestos Not Present	NA		Quartz CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
013	13	Layered	White Texture	Asbestos Not Present	NA		Quartz CaCO3 Paint

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Client: Harenda Management Group
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Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2530

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
014	14	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 90	Cellulose 10	
015	15	Homogeneous	Gray Stucco	Asbestos Present Chrysotile 3	NA	Quartz Sand

Sandy Baker, Analyst

7/17/2014
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	37961
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:	14-200-042.2530
P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	7/11/14 1800	FedEx	[signature]	7/14/14 10:20AM

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

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

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

QUANTEM LABORATORIES
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 237961
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		☐				
17		☐				
18		☐				
19		☐				
20		☐				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

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

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
2656 North 36th 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.: 14-200-042.2656
Contract No.: 360-14-0745

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2014

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2656 North 36th Street, Milwaukee, Wisconsin.

The inspection included plaster, window glazing compound, 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 July 10, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2656 North 36th 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 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, window glazing compound, 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
1a	1st floor – dining room – east wall – texture	Negative	N/A	SPl
1b	1st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPl
1c	1st floor – dining room – east wall – plaster base coat	Negative	N/A	SPl
2a	1st floor – kitchen – north wall – texture	Negative	N/A	SPl
2b	1st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPl
2c	1st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPl
3a	1st floor – bathroom – west wall – plaster skim coat	Negative	N/A	SPl
3b	1st floor – bathroom – west wall – plaster base coat	Negative	N/A	SPl
4	Basement – ceiling – plaster	Negative	N/A	SPl
5a	1st floor – bedroom – north wall – texture	Negative	N/A	SPl
5b	1st floor – bedroom – north wall – plaster skim coat	Negative	N/A	SPl
5c	1st floor – bedroom – north wall – plaster base coat	Negative	N/A	SPl
6	1st floor – kitchen – on window – glazing compound	Negative	N/A	MPG
7	1st floor – bathroom – on window – glazing compound	Negative	N/A	MPG
8	2nd floor – kitchen – on window – glazing compound	Negative	N/A	MPG
9a	1st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
9b	1st floor – kitchen – north wall – drywall	Negative	N/A	MDW
10a	1st floor – kitchen – west wall – joint compound	Negative	N/A	MDW
10b	1st floor – kitchen – west wall – drywall	Negative	N/A	MDW
11a	1st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
11b	2nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
12	1st floor – bathroom – on wall – mastic	Negative	N/A	MWM
13	Basement – on chimney – flue packing	Negative	N/A	TFP

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1st	Entry/Kitchen/Bedroom/ Bathroom/Stair/Hall	Floor Tile & Mastic	400 Sq. Ft.
2nd	Kitchen/Bedroom/Stair	Floor Tile & Mastic	1,600 Sq. Ft.

Homogeneous Material Codes

SPl	Plaster
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MWM	Wall Mastic
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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

2	Fluorescent Lights – 2nd Floor Storage Room
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
1	Light Ballasts – 2nd Floor Storage Room
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

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Jolene Harenda
1237 West Bruce St.
Milwaukee, WI 53204

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

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
001b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
002	2	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
002b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand Paint
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
005b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
006	6	Homogeneous	Beige Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
007	7	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint

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008	8	Homogeneous	Beige Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
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Project Location: Milwaukee, WI
Project Number: 14-200-042.2656

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
012	12	Layered	Cream Mastic	Asbestos Not Present	NA		Glue
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	30	Gypsum
013	13	Homogeneous	Light Gray Sealant	Asbestos Not Present	Wollastonite	90	Binder

Sandy Baker, Analyst

7/17/2014
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
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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. 237965	
Accept	Reject

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

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

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	7/11/14 1800	FedEx	[signature]	7/14/14 10:20AM

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"

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For Lab Use Only
Lab No. 237969
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		☐				
15		☐				
16		☐				
17		☐				
18		☐				
19		☐				
20		☐				
21		☐				
22		☐				
23		☐				
24		☐				
25		☐				
26		☐				
27		☐				
28		☐				
29		☐				
30		☐				

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

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