



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2212-14 North 37th 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.: 14-200-042.2212
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 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 2212-14 North 37th Street, Milwaukee, Wisconsin.

The inspection included plaster, linoleum, ceramic tile, wall covering, 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 May 13, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2212-14 North 37th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, linoleum, ceramic tile, wall covering, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – ceiling – plaster	Negative	N/A	SPI
2	1 st floor – kitchen – south wall – plaster	Negative	N/A	SPI
3	1 st floor – back entry – east wall – plaster	Negative	N/A	SPI
4	2 nd floor – front stair – north wall – plaster	Negative	N/A	SPI
5	2 nd floor – living room – west wall – plaster	Negative	N/A	SPI
6	1 st floor – rear stair – white linoleum	Negative	N/A	MFLw
7	2 nd floor – hall – tan linoleum	Negative	N/A	MFLt
8	1 st floor – kitchen – on wall – multicolored ceramic tile	Negative	N/A	MCTMm
9	1 st floor – bathroom – on wall – wall covering	Negative	N/A	MWC
10	Basement – on east side of chimney – white flue packing	Negative	N/A	TFPw
11a	Basement – on west side of chimney – gray flue packing top layer	Negative	N/A	TFPy
11b	Basement – on west side of chimney – gray flue packing bottom layer	Negative	N/A	TFPy

Notes: N/A = Not Applicable

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Stair	Stair Tread	20 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	150 Sq. Ft.
1 st	Stair/Kitchen/Bathroom	Floor & Wall Mastic	80 Sq. Ft.
2 nd	Hall/Kitchen/Bathroom	Floor Mastic	120 Sq. Ft.
2 nd	Kitchen/Pantry	Floor Tile & Mastic	170 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MFLw	White Linoleum
MFLt	Tan Linoleum
MCTMm	Multicolored Ceramic Tile
MWC	Wall Covering
TFPw	White Flue Packing
TFPy	Gray Flue Packing

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

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

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

V. EXCLUSIONS

1st floor bathroom floor covered with debris and only not accessible. No access to attic. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 1 Electric Meter on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters on Exterior

* 7 Gallons Paint & 5 Gallons Roof Cement 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. 235507	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/15/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/19/2014	Project: DNS
Analyzed By: Shweta Harankhedkar	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.2212

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Mortar	Asbestos Not Present	Hair	2 Quartz CaCO3
002	2	Homogeneous	Gray Mortar	Asbestos Not Present	Hair	2 Quartz CaCO3
003	3	Homogeneous	Gray Concrete	Asbestos Not Present	Cellulose	2 Quartz CaCO3
004	4	Homogeneous	Gray Mortar	Asbestos Not Present	Hair	5 Quartz CaCO3
005	5	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	Tan Flooring	Asbestos Not Present	NA	Vinyl Foam
007	7	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl Foam Binder

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

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

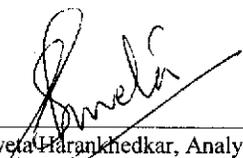


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235507 Client: Harenda Management Group
Account Number: B929 Jolene Harenda
Date Received: 05/15/2014 1237 West Bruce St.
Received By: Joanna Mueller Milwaukee, WI 53204
Date Analyzed: 05/19/2014 Project: DNS
Analyzed By: Shweta Harankhedkar Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116 Project Number: 14-200-042.2212

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Wall Tile	Asbestos Not Present	NA	Clay
009	9	Homogeneous	Black Caulk	Asbestos Not Present	NA	Silicone Binder
010	10	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz CaCO3 Paint
011	11	Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
011a		Layered	Yellow Stucco	Asbestos Not Present	NA	Quartz CaCO3


Shweta Harankhedkar, Analyst

5/19/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>235801</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Company: Harenda Management Group		Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (16 Characters Max)	To Be Analyzed	Color	Description	Sample Area (Optional)	Comments / Notes	
11		<input checked="" type="checkbox"/>					
12		<input type="checkbox"/>					
13		<input type="checkbox"/>					
14		<input type="checkbox"/>					
15		<input type="checkbox"/>					
16		<input type="checkbox"/>					
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27		<input type="checkbox"/>					
28		<input type="checkbox"/>					
29		<input type="checkbox"/>					
30		<input type="checkbox"/>					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

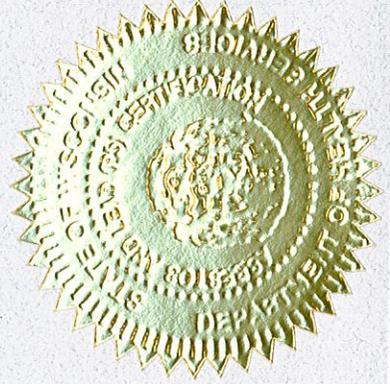
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1949-51 North 38th 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.: 14-200-042.1949
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 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 1949-51 North 38th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 13, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1949-51 North 38th 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.

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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, texture, tar paper, linoleum, flue packing, stair tread, drywall, window glazing compound, and ceiling tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – on east columns – stucco	Negative	N/A	STC
2	Exterior – on east columns – stucco	Negative	N/A	STC
3	Exterior – on east columns – stucco	Negative	N/A	STC
4	Exterior – north wall under asphalt siding – tar paper	Negative	N/A	MPT
5	Exterior – west wall under asphalt siding – tar paper	Negative	N/A	MPT
6	Exterior – east wall under asphalt siding – tar paper	Negative	N/A	MPT
7	Attic – stair – blue and white linoleum	Negative	N/A	MFLbw
8	Basement – on chimney – flue packing	Negative	N/A	TFP
9	1 st floor – stair – stair tread	Negative	N/A	MST
10	1 st floor – back hall – top layer – beige linoleum	Negative	N/A	MFLe
11	1 st floor – back hall – bottom layer – brown linoleum	Negative	N/A	MFLn
12a	1 st floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
12b	1 st floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
13a	1 st floor – entry – south wall – plaster skim coat	Negative	N/A	SPI
13b	1 st floor – entry – south wall – plaster base coat	Negative	N/A	SPI
14a	1 st floor – rear stair – west wall – plaster skim coat	Negative	N/A	SPI
14b	1 st floor – rear stair – west wall – plaster base coat	Negative	N/A	SPI
15a	1 st floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
15b	2 nd floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
16a	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
16b	2 nd floor – living room – south wall – plaster base coat	Negative	N/A	SPI
17	1 st floor – dining room – north wall – drywall	Negative	N/A	MDW
18	1 st floor – kitchen – west wall – drywall	Negative	N/A	MDW
19	1 st floor – living room – east wall – drywall	Negative	N/A	MDW
20	1 st floor – dining room – on window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
22	2 nd floor – dining room – on window – glazing compound	Negative	N/A	MPG
23	2 nd floor – stair landing – multicolored linoleum	Negative	N/A	MFLm
24	2 nd floor – pantry – 2' x 4' ceiling tile	Negative	N/A	MSCT24
25	2 nd floor – dining room – north wall – texture	Negative	N/A	STX
26	2 nd floor – dining room – east wall – texture	Negative	N/A	STX
27	2 nd floor – living room – west wall – texture	Negative	N/A	STX
28	2 nd floor – front stair – 1' x 1' ceiling tile	Negative	N/A	MSCT11

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.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	3,000 Sq. Ft.
1 st	Kitchen/Bathroom/Pantry/Hall/Entry	Floor Tile & Mastic	220 Sq. Ft.
1 st	Stair/Back Hall	Floor Mastic	60 Sq. Ft.
2 nd /Attic	Stair	Floor Mastic	60 Sq. Ft.
2 nd	Kitchen/Bathroom/Pantry/Hall/Entry	Floor Tile & Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STC	Stucco
STX	Texture
MPT	Tar Paper
MFLbw	Blue & White Linoleum
MFLe	Beige Linoleum
MFLn	Brown Linoleum
MFLm	Multicolored Linoleum
MST	Stair Tread
MDW	Drywall
MPG	Glazing Compound
MSCT24	2' x 4' Ceiling Tile
MSCT11	1' x 1' Ceiling Tile
TFP	Flue Packing

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

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

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

V. EXCLUSIONS

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

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

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

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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.

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Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 20 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. 235561	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/16/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1949

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand Paint
002	2	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand Paint
003	3	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz Sand Paint
004	4	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Blue/Green Linoleum	Asbestos Not Present	Cellulose 60	Tar Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235561	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/16/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1949

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Gray Mud	Asbestos Not Present	Wollastonite	65 Clay
009	9	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
010	10	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Glass Fiber	25 Vinyl 5 Foam
011	11	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose	60 Tar Paint
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
012a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235561	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/16/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1949

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
014a		Layered	Dark Gray Plaster	Asbestos Not Present	Cellulose	2 Quartz Sand
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
015a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Quartz Sand
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
016a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	4 Quartz Sand

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235561	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/16/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1949

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
018	18	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
019	19	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Paint
020	20	Homogeneous	Tan Putty	Asbestos Not Present	NA	CaCO3 Binder
021	21	Homogeneous	** **	**	Not Analyzed	
No Sample in Container						
022	22	Homogeneous	Tan Putty	Asbestos Not Present	NA	CaCO3 Binder
023	23	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 60	Tar 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.

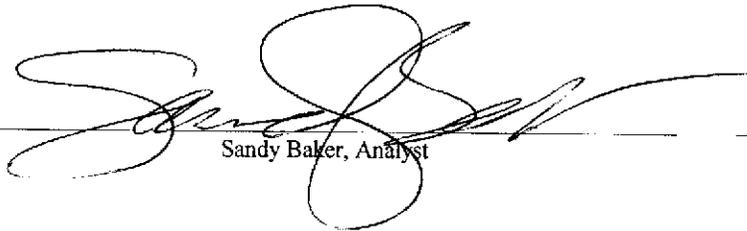


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235561	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 05/16/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/20/2014	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1949

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
025	25	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
026	26	Homogeneous	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
027	27	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
028	28	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint


Sandy Baker, Analyst

5/20/2014
Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For: _____
Lab No. 235861
Accept Reject

Report Results (one box)
 QuantEM Website
 Other email _____

Contact Information

Company: **Harendra Management Group** Phone: **(414) 383-4800**
 Contact: **Dean Jacobsen** Cell Phone: _____
 Account #: **B929** E-mail: **djacobsen@harendra.com**
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.1949**
 P.O. Number: _____

RELINQUISHED BY Dean Jacobsen **DATE & TIME** 5/14/18 00 **VIA** FedEx **RECEIVED BY** [Signature] **DATE & TIME** 5-16-14 10:00

REQUESTED ANALYSES (Please check appropriate)

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

No.	Sample ID (No characters, Max)	Exposures Analyzed	Control	Notes
1		<input checked="" type="checkbox"/>		
2		<input type="checkbox"/>		
3		<input type="checkbox"/>		
4		<input type="checkbox"/>		
5		<input type="checkbox"/>		
6		<input type="checkbox"/>		
7		<input type="checkbox"/>		
8		<input type="checkbox"/>		
9		<input type="checkbox"/>		
10		<input checked="" type="checkbox"/>		Do Not Test Mastic



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Lab No. 235861
 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 / Sample Size	Comments / Notes	
11	11	<input checked="" type="checkbox"/>				Do Not Test / Mastic	
12	12	<input type="checkbox"/>					
13	13	<input type="checkbox"/>					
14	14	<input type="checkbox"/>					
15	15	<input type="checkbox"/>					
16	16	<input type="checkbox"/>					
17	17	<input type="checkbox"/>					
18	18	<input type="checkbox"/>					
19	19	<input type="checkbox"/>					
20	20	<input type="checkbox"/>					
21	21	<input type="checkbox"/>					
22	22	<input type="checkbox"/>					
23	23	<input type="checkbox"/>				Do Not Test / Mastic	
24	24	<input type="checkbox"/>					
25	25	<input type="checkbox"/>					
26	26	<input type="checkbox"/>					
27	27	<input type="checkbox"/>					
28	28	<input checked="" type="checkbox"/>					
29		<input type="checkbox"/>					
30		<input type="checkbox"/>					

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

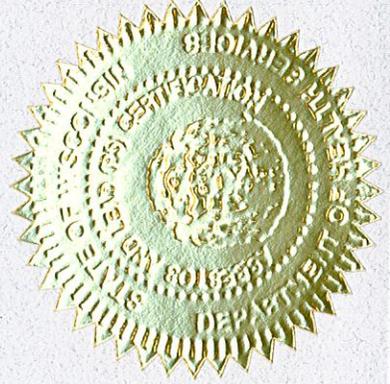
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
1420 West North Avenue
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1420
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 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 1420 West North Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 2, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1420 West North Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, duct paper, mastic, and window glazing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Basement – on pipes – duct paper	Positive 75% Chrysotile	90 Ln. Ft.	TDW
2	Basement – on pipes – duct paper	Positive 75% Chrysotile	Reference Sample 1	TDW
3	Basement – on pipes – duct paper	Positive 75% Chrysotile	Reference Sample 1	TDW
4a	2 nd floor – bedroom – south wall – plaster skim coat	Negative	N/A	SPI
4b	2 nd floor – bedroom – south wall – plaster basecoat	Negative	N/A	SPI
5	2 nd floor – hall – north wall – plaster	Negative	N/A	SPI
6a	2 nd floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
6b	2 nd floor – living room – north wall – plaster basecoat	Negative	N/A	SPI
7	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
8	1 st floor – dining room – west wall – plaster	Negative	N/A	SPI
9	1 st floor – bathroom – on south wall under tile – mastic	Trace <1% Actinolite/ Tremolite	N/A	MWM
9	POINT COUNT RESULT	Trace 0.75% Actinolite/ Tremolite	N/A	MWM
10	1 st floor – bathroom – on north wall under tile – mastic	Trace <1% Actinolite/ Tremolite	N/A	MWM
10	POINT COUNT RESULT	Trace 0.5% Actinolite/ Tremolite	N/A	MWM
11	1 st floor – bathroom – on west wall under tile – mastic	Trace <1% Actinolite/ Tremolite	N/A	MWM
11	POINT COUNT RESULT	Trace 1% Actinolite/ Tremolite	N/A	MWM
12	2 nd floor – bedroom – north window – glazing compound	Positive 4% Chrysotile	16 Windows	MPG
13	2 nd floor – living room – south window – glazing compound	Positive 4% Chrysotile	Reference Sample 12	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14	1 st floor – living room – south window – glazing compound	Positive 4% Chrysotile	Reference Sample 12	MPG

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
1 st / 2 nd	Dwelling	Asphalt Shingle Siding	2,200 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPI Plaster
MPG Glazing Compound
MWM Wall Mastic
TDW Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by

the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 3 Gallons Paint in Dining Room

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 235068	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/05/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/06/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1420

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
002	2	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
003	3	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
004	4	Layered	Tan Skim Coat	Asbestos Not Present	Wollastonite	<1 Sand Gypsum Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
005	5	Homogeneous	Light Gray Plaster	Asbestos Not Present	Cellulose Hair	<1 2 Sand Gypsum
006	6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Gypsum 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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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/06/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1420

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 Sand Gypsum
007	7	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10 Gypsum Paint
008	8	Homogeneous	Gray Plaster	Asbestos Not Present	Hair	2 Sand Gypsum
009	9	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite <1	NA	CaCO3 Glue Binder
010	10	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite <1	NA	CaCO3 Glue Binder
011	11	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite <1	NA	CaCO3 Glue Binder
012	12	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3

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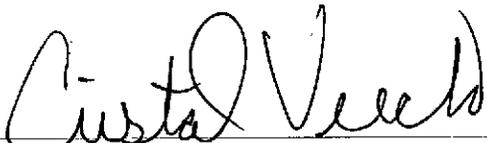


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235068	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/05/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/06/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1420

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
014	14	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3


 Cristal Veech, Analyst

5/6/2014
 Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 235068
 Accept Reject

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Phone: (414) 383-4800 Cell Phone: Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.1420 P.O. Number:	
--	--	---	--

SAMPLED BY: <u>Dean Jacobsen</u> RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>5/2/14 1700</u> VIA: <u>FedEx</u>	RECEIVED BY: <u>[Signature]</u> DATE & TIME: <u>5-5-14 1000</u>
---	--	--

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>235068</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235175	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/07/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: PTCT for 235068, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.1420

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	9	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite 0.75 400 Point Count	NA	
002	10	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite .50 400 Point Count	NA	
003	11	Homogeneous	Yellow/Brown Mastic	Asbestos Present Actinolite/Tremolite 1.00 400 Point Count	NA	

Cristal Veech
Cristal Veech, Analyst

5/7/2014
Date of Report

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

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Page 1 of 1

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Lab No. 235175

Accept Reject

Report Results (one box)
 QuanTEM Website
 Other_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.1420	
SAMPLED BY: name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	5/6/14 1530	Email	<i>S. Ruffalo</i>	5/7/14 8:00

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	9	<input checked="" type="checkbox"/>				Quantem Lab #235068
2	10	<input checked="" type="checkbox"/>				
3	11	<input checked="" type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

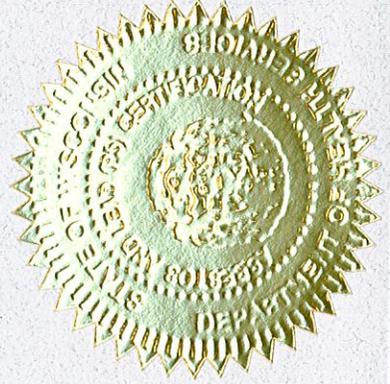
Asbestos Company - Primary

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

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
7722 West Potomac Avenue
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.7722
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 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 7722 West Potomac Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On April 25, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 7722 West Potomac Avenue, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include caulk, window glazing compound, flue packing, and drywall. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – north side around windows – caulk	Negative	N/A	MCLK
2	Exterior – west side around windows – caulk	Negative	N/A	MCLK
3	Exterior – east side around windows – caulk	Negative	N/A	MCLK
4	1 st floor – kitchen – east window – glazing compound	Negative	N/A	MPG
5	2 nd floor – bathroom – south window – glazing compound	Negative	N/A	MPG
6	2 nd floor – bedroom – west window – glazing compound	Trace <1% Chrysotile	N/A	MPG
6	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MPG
7a	1 st floor – hall – west wall – joint compound	Positive 2% Chrysotile	N/A	MDW
7b	1 st floor – hall – west wall – drywall	Negative	N/A	MDW
7	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MDW
8a	2 nd floor – stair – east wall – joint compound	Positive 2% Chrysotile	N/A	MDW
8b	2 nd floor – stair – east wall – drywall	Negative	N/A	MDW
8	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MDW
9a	2 nd floor – living room – north wall – joint compound	Positive <1% Chrysotile	N/A	MDW
9b	2 nd floor – living room – north wall – drywall	Negative	N/A	MDW
9	COMPOSITE POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MDW
10	Basement – on chimney – flue packing	Negative	N/A	TFP

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

Approximately 6 sq. ft. of assumed asbestos containing duct paper visible in basement that could not be accessed at time of inspection.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	500 Sq. Ft.

Homogeneous Material Codes

MCLK	Caulk
MPG	Glazing Compound
MDW	Drywall
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

All floors covered with 2 feet of garbage and debris – floors not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement. 2 Electric Meters on Exterior

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

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. 234819	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.7722

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
002	2	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
003	3	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
004	4	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
005	5	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
006	6	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
007	7	Layered	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234819	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 04/28/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/05/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.7722

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
008	8	Layered	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
009	9	Layered	White Texture	Asbestos Present Chrysotile <1	NA	Clay Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
010	10	Homogeneous	Gray Insulation	Asbestos Not Present	Wollastonite	40 CaCO3


Cristal Veech, Analyst

5/5/2014
Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LABORATORIES
 www.QuanTEM.com

For Lab Use Only

Lab No. 234819
 Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date: Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.7722 P.O. Number:		Project Information Report Results <input checked="" type="checkbox"/> (one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other_email
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SAMPLED BY: <u>[Signature]</u> Name:	RELINQUISHED BY: <u>[Signature]</u> Name:	DATE & TIME <u>4/25/14 1800</u>	VIA <u>FedEx</u>	RECEIVED BY: <u>[Signature]</u> Name:	DATE & TIME <u>4-28-14 10:00</u>
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REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Rush
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Same Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 3 - Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5 - Day

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

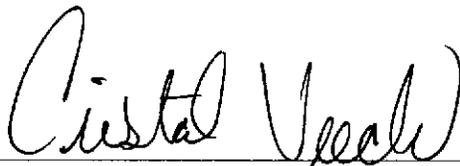


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235173	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/07/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: PTCT for 234819, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.7722

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	6	Composite	Tan Window Glazing	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
002	7	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
003	8	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
004	9	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile 0.25 400 Point Count	NA	


Cristal Veech, Analyst

5/7/2014
Date of Report

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Lab No. _____
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email _____

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLED BY: Name: _____		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-042.7722 PO Number: _____	
Phone: (414) 383-4800	Cell Phone: _____	E-mail: djacobsen@harenda.com	Date: _____

RENQUISHED BY <i>[Signature]</i>	DATE & TIME 5/6/14 15:10	VIA Email	RECEIVED BY	DATE & TIME
-------------------------------------	-----------------------------	--------------	-------------	-------------

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	6	<input checked="" type="checkbox"/>				Quantem Lab #234819
2	7	<input checked="" type="checkbox"/>				Composite Point Count
3	8	<input checked="" type="checkbox"/>				Composite Point Count
4	9	<input checked="" type="checkbox"/>				Composite Point Count
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

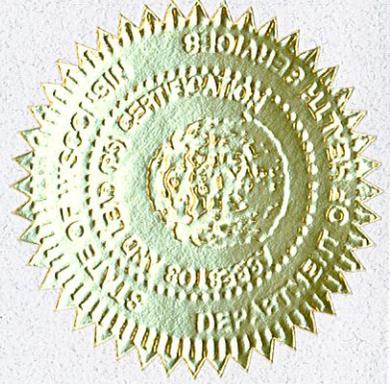
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
3701-03 West Sarnow 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.: 14-200-042.3701
Contract No.: 360-14-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

May 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 3701-03 West Sarnow Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On April 29, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 3701-03 West Sarnow 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, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	Exterior – south wall – transite siding	Positive 25% Chrysotile	2,500 Sq. Ft.	MTP
2	Exterior – east wall – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
3	Exterior – east wall – transite siding	Positive 25% Chrysotile	Reference Sample 1	MTP
4	Exterior – south wall under transite siding – tar paper	Negative	N/A	MPT
5	Exterior – east wall under transite siding – tar paper	Negative	N/A	MPT
6	Exterior – north wall under transite siding – tar paper	Negative	N/A	MPT
7	Basement – on ducts – duct paper	Positive 70% Chrysotile	60 Sq. Ft.	TDW
8	2 nd floor – kitchen – on duct – duct paper	Positive 70% Chrysotile	Reference Sample 7	TDW
9	1 st floor – living room – on duct – duct paper	Positive 70% Chrysotile	Reference Sample 7	TDW
10a	Basement – on chimney – dark gray flue packing top layer	Negative	N/A	TFPydark
10b	Basement – on chimney – dark gray flue packing bottom layer	Negative	N/A	TFPydark
11	Basement – on chimney – light gray flue packing	Positive 8% Chrysotile	5 Sq. Ft.	TFPylight
12	1 st floor – dining room – north window – glazing compound	Negative	N/A	MPG
13	2 nd floor – living room – south window – glazing compound	Negative	N/A	MPG
14	2 nd floor – kitchen – west window – glazing compound	Negative	N/A	MPG
15	Attic – stair – west wall – plaster	Negative	N/A	SPI
16	2 nd floor – living room – south wall – plaster	Negative	N/A	SPI
17	2 nd floor – bedroom – east wall – plaster	Negative	N/A	SPI
18	1 st floor – living room – west wall – plaster	Negative	N/A	SPI
19	1 st floor – bedroom – west wall – plaster	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20	1 st floor – living room – ceiling – texture	Positive 2% Chrysotile	N/A	STX
20	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	STX
21	2 nd floor – dining room – ceiling – texture	Positive 2% Chrysotile	N/A	STX
21	POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	STX
22	Attic – ceiling – texture	Positive 2% Chrysotile	N/A	STX
22	POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	STX
23	1 st floor – kitchen – south wall – drywall	Negative	N/A	MDW
24	Attic – hall – west wall – drywall	Negative	N/A	MDW
25a	2 nd floor – bathroom – east wall – joint compound	Negative	N/A	MDW
25b	2 nd floor – bathroom – east wall – drywall	Negative	N/A	MDW
26	1 st floor – bathroom – on north wall – mastic	Negative	N/A	MWM
27	1 st floor – bathroom – on west wall – mastic	Negative	N/A	MWM
28	2 nd floor – bathroom – on north wall – mastic	Negative	N/A	MWM
29	1 st floor – bathroom – top layer – tan linoleum	Negative	N/A	MFLt
29	1 st floor – bathroom – bottom layer – black linoleum	Negative	N/A	MFLk

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Kitchen/Pantry/Entry/Hall	Floor Tile & Mastic	350 Sq. Ft.
1 st	Bathroom	Floor Mastic	50 Sq. Ft.
2 nd	Kitchen/Pantry/Bathroom/Hall/Stair	Floor Tile & Mastic	200 Sq. Ft.
Attic	Hall/Bedroom	Floor Tile & Mastic	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MTP	Transite
MPT	Tar Paper
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MWM	Wall Mastic
MFLT	Tan Linoleum
TFPydark	Dark Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TDW	Duct Paper

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder

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008	8	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder
009	9	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder
010	10	Layered	Gray Skim Coat	Asbestos Not Present	Wollastonite 15	CaCO3
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 8	NA	Gypsum CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand Gypsum
016	16	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand Gypsum Paint
017	17	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Sand Gypsum
018	18	Homogeneous	White Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
019	19	Homogeneous	White Plaster	Asbestos Not Present	Hair	4 Sand Gypsum
020	20	Homogeneous	White Texture	Asbestos Present Chrysotile	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. 234968	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3701

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
023	23	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum Paint
024	24	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum Paint
025	25	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Talc Perlite
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
026	26	Layered	Tan Mastic	Asbestos Not Present	NA	Glue Binder

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 234968	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3701

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
027	27	Layered	Tan Mastic	Asbestos Not Present	NA	Glue Binder
027a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
028	28	Layered	Tan Mastic	Asbestos Not Present	NA	Glue Binder
028a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
029	29	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
029a		Layered	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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

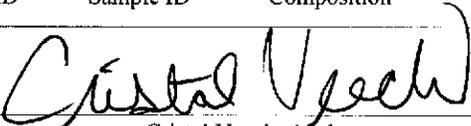
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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 234968	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/01/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 05/07/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3701

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				5/8/2014		
Cristal Veech, Analyst				Date of Report		

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

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 Lab No. 234968
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

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

Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **14-200-042.3701**
 P.O. Number: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	4/30/14 (8:00)	Fed Ex	<i>[Signature]</i>	5-1-14 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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For Lab Use Only
Lab No. <u>224968</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

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

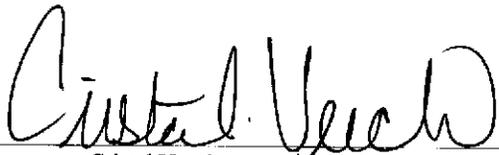


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 235281	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/09/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 05/09/2014	Project: PT CT for 234968, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-042.3701

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	20	Homogeneous	White Texture	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
002	21	Homogeneous	White Texture	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
003	22	Homogeneous	White Texture	Asbestos Present Chrysotile <0.25 400 Point Count	NA	


 Cristal Veech, Analyst

5/9/2014
 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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Lab No. 235281

Accept Reject

Report Results one box
 QuanTEM Website
 Other email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-042.3701	
SAMPLED BY: <i>Dean Jacobsen</i>	Date:	PO Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	5/8/14 1605	Email	<i>Shawn Wick</i>	5/14/14 8:00

REQUESTED SERVICES (Please the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Air- AHERA	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative (weight%) - Chatfield	Rush	Same Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	20	<input checked="" type="checkbox"/>				Quantem Lab #234968
2	21	<input checked="" type="checkbox"/>				
3	22	<input checked="" type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

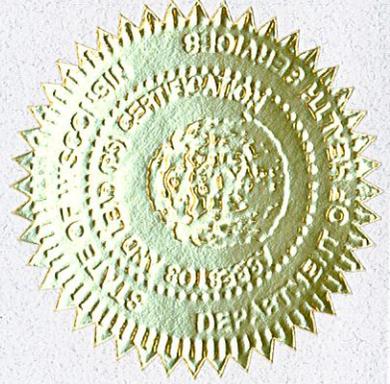
Asbestos Company - Primary

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

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



Shelley A. Bruce
Shelley A. Bruce,
Unit Supervisor





ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

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

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

Training due by: 03/19/2015