HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**1216 South 12th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.1216**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**May 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 4

VI. Limitations ..... 5

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 1216 South 12th Street, Milwaukee, Wisconsin.

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

# II. BUILDING SURVEY

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

**On May 14, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1216 South 12th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

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

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| **1** | **Basement – near crawl space - on duct – duct paper** | **Positive 75% Chrysotile** | **60 Ln. Ft.** | **TDW** |
| **2** | **Basement – crawl space - on duct – duct paper** | **Positive 75% Chrysotile** | **Reference Sample 1** | **TDW** |
| **3** | **Basement – crawl space - on duct – duct paper** | **Positive 75% Chrysotile** | **Reference Sample 1** | **TDW** |
| 4 | Basement – on east side of chimney – gray flue packing | Negative | N/A | TFPy |
| 5 | Basement – on north side of chimney – light gray flue packing | Negative | N/A | TFPylight |
| **6a** | **Basement – on north side of chimney – white flue packing bottom layer** | **Positive 5% Chrysotile** | **2 Sq. Ft.** | **TFPw** |
| 6b | Basement – on north side of chimney – white flue packing top layer | Negative | N/A | TFPw |
| 7 | Basement – north wall – plaster | Negative | N/A | SPl |
| 8 | 1st floor – living room – south wall – plaster | Negative | N/A | SPl |
| 9a | 1st floor – dining room – south wall – patch layer | Negative | N/A | SPl |
| 9b | 1st floor – dining room – south wall – plaster skim coat | Negative | N/A | SPl |
| 9c | 1st floor – dining room – south wall – plaster base coat | Negative | N/A | SPl |
| 10a | 2nd floor – west bedroom – east wall – plaster skim coat | Negative | N/A | SPl |
| 10b | 2nd floor – west bedroom – east wall – plaster base coat | Negative | N/A | SPl |
| 11a | 2nd floor – center bedroom – west wall – plaster skim coat | Negative | N/A | SPl |
| 11b | 2nd floor – center bedroom – west wall – plaster base coat | Negative | N/A | SPl |
| 12 | 1st floor – living room – north wall – texture | Negative | N/A | STX |
| 13 | 1st floor – dining room – east wall – texture | Negative | N/A | STX |
| 14 | 2nd floor – west bedroom – north wall – texture | Negative | N/A | STX |
| 15 | 2nd floor – living room – east wall – texture | Negative | N/A | STX |
| 16a | 2nd floor – center bedroom – west wall – texture layer 1 | Negative | N/A | STX |
| 16b | 2nd floor – center bedroom – west wall – texture layer 2 | Negative | N/A | STX |
| 16c | 2nd floor – center bedroom – west wall – texture layer 3 | Negative | N/A | STX |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 17 | 1st floor – dining room – south window – glazing compound | Negative | N/A | MPG |
| 18 | 2nd floor – kitchen – north window – glazing compound | Negative | N/A | MPG |
| 19a | 2nd floor – dining room – north window – glazing compound | Negative | N/A | MPG |
| 19b | 2nd floor – dining room – north window – glazing compound layer 2 | Negative | N/A | MPG |
| **20** | **1st floor – bathroom – under 2 layers floor tile – orange linoleum** | **Positive 25% Chrysotile** | **60 Sq. Ft.** | **MFLo** |

**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 | 800 Sq. Ft. |
| 1st /2nd | Dwelling | Asphalt Shingle Siding | 2,500 Sq. Ft. |
| 1st | Kitchen/Bathroom | Floor Tile & Mastic | 250 Sq. Ft. |
| 2nd | Kitchen/Bathroom | Floor Tile & Mastic | 160 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MFLo | Orange Linoleum |
| MPG | Glazing Compound |
| TFPy | Gray Flue Packing |
| TFPylight | Light Gray Flue Packing |
| TFPw | White 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

N/A Fluorescent Lights

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

N/A Neon

N/A Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

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

**PCBs**

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

* 2 Gas Meters in Basement

# VIII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235563
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.1216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 75 | Cellulose | 10 | Binder |
| 002 | 2 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 75 | Cellulose | 10 | Binder |
| 003 | 3 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 75 | Cellulose | 10 | Binder |
| 004 | 4 | Homogeneous | Gray Concrete | Asbestos Not Present | | NA | | Sand CaCO3 |
| 005 | 5 | Homogeneous | Gray Concrete | Asbestos Not Present | | NA | | Sand Gypsum |
| 006 | 6 | Layered | White Insulation | Asbestos Present Chrysotile | 5 | Cellulose | 10 | CaCO3 |
| 006a | | Layered | White Grout | Asbestos Not Present | | Cellulose Wollastonite | 2 4 | Sand Gypsum |

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

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

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 007 | 7 | Homogeneous | White Stucco | Asbestos Not Present | NA | Sand Gypsum Paint |
| 008 | 8 | Homogeneous | Gray Concrete | Asbestos Not Present | Hair 2 | Sand Gypsum |
| 009 | 9 | Layered | Tan Texture | Asbestos Not Present | NA | CaCO3 |
| 009a | | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 009b | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 010 | 10 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 010a | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |

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Jolene Harenda
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.1216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 011 | 11 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 011a | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 012 | 12 | Homogeneous | White Texture | Asbestos Not Present | NA | Gypsum CaCO3 |
| 013 | 13 | Homogeneous | White Texture | Asbestos Not Present | NA | Gypsum CaCO3 |
| 014 | 14 | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 Perlite |
| 015 | 15 | Homogeneous | White Joint Compound | Asbestos Not Present | NA | Gypsum CaCO3 |
| 016 | 16 | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 Perlite |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.1216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 016a | | Layered | Tan Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 016b | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 017 | 17 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 018 | 18 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 019 | 19 | Layered | White Caulk | Asbestos Not Present | NA | Silicone Binder |
| 019a | | Layered | Cream Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 020 | 20 | Homogeneous | Brown Sheet Vinyl | Asbestos Present Chrysotile 25 | NA | Vinyl |

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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

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|---|---|---|---|
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| Date Received: | 05/16/2014 | | |
| Received By: | Joanna Mueller | | |
| Date Analyzed: | 05/23/2014 | Project: | DNS |
| Analyzed By: | Cristal Veech | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 14-200-042.1216 |

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

Cristal Veech

Cristal Veech, Analyst

5/23/2014

Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 235563
Accept Reject

**Project Information**

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

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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



**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 235563
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.1216 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 5/15/14 1800 | FedEx | [illegible] | 5-16-14 1000 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

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

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

Today's Date: 08/04/2014

# Braxton Environmental Service

6311 North 91th Street

COPY

ASBESTOS REMOVAL

**CERTIFICATION OF COMPLETION**

Owner / Owners Rep. Neighborhood Services

Project Name: City Demo Project

Begin Abatement Date: 08/01/2014

Final Completion Date: 08/01/2014

Site Location: 3262 North 12th Street

Braxton Environmental Service Corp. hereby certifies that the asbestos work perfomed for City Of Milwaukee And all asbestos indentified in the environmental report is Complete. That the materials listed has been properly removed in accordance with all local, state, And federal regulations.

(Signature)

Project Manager

(Title)

08/01/2014

(Date)

Asbestos Type

Duct paper

Additional Asbestos Removed

Property Location

Photo Here

Photo Here

Photo Here

Photo Here

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

**Generator**

1-A. Special Waste Profile Number: Asb3114Y

NESHAP Notified: X YES ____ NO

WSR Number: 105305

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code): City of Milwaukee Department of Neighborhood Services 841 N Broadway Milwaukee WI 53202

1-C. Generator's Phone Number: 414-286-2503

1-D. Work Site Address: 3262 N 12th street Milwaukee WI

1-E. 24 Hour Emergency Response Telephone Number: 414-530-0896

2. Operator's Name and Complete Mailing Address: Braxton Environmental, 6311A North 91st Street, Milwaukee WI 53225

Operator's Phone Number: 414-449-9000

3. Waste Disposal Site (WDS) Name and Complete Mailing Address: Orchard Ridge Recycling & Disposal Facility, W124 N9355 Boundary Road; Menomonee Falls, WI 53051

WDS Phone Number: 262-253-8620

4. Name and Address of Responsible Agency: Southeast District, Wisconsin Department of Natural Resources, 2300 North Dr Martin Luther King Jr, Drive; Milwaukee, WI 53212

| 5. Description of Materials | | 6. Containers No. | Type | 7. Total Quantity yd3 |
|---|---|---|---|---|
| Duct paper | | | | |
| friable asbestos | RQ, NA2212, Asbestos, 9, PGIII | | | |
| non-friable asbestos: Duct paper | Cat I ____ Cat II X | 10 | bag | 0.8 yd |

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Bill Cook Project Manager

Signature: Bill Cook

Date: 8-2-2014

**Transporter**

10. Transporter 1 Company Name: Braxton Environmental

Complete Mailing Address: 6311A North 91st Street, Milwaukee WI 53225

Telephone Number (including area code): 414-449-9000

Driver Signature: Bill Cook

Printed Name and Title: Bill Cook Project Manager /Driver

Date: August 2 2014

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title /Driver

Date

**Disposal Site**

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title /Gate Attendant

Signature

Date

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

DCE-230-97

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2717 North 15th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.2717**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 4

VI. Limitations ..... 4

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 2717 North 15th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, blown in insulation, aircell insulation, window glazing compound, ceiling tile, 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 September 11, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2717 North 15th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include texture, tar paper, blown in insulation, aircell insulation, window glazing compound, ceiling tile, 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 – east wall – tar paper | Negative | N/A | MPT |
| 2 | Exterior – north wall – tar paper | Negative | N/A | MPT |
| 3 | Exterior – south wall – tar paper | Negative | N/A | MPT |
| 4 | Exterior – in north wall – blown in insulation | Negative | N/A | MBI |
| 5 | Exterior – in north wall – blown in insulation | Negative | N/A | MBI |
| 6 | Exterior – in south wall – blown in insulation | Negative | N/A | MBI |
| **7** | **Basement – east side - <5" diameter aircell pipe insulation** | **Positive 90% Chrysotile** | **380 Ln. Ft.** | **TA5** |
| **8** | **Basement – west side - <5" diameter aircell pipe insulation** | **Positive 90% Chrysotile** | **Reference Sample 7** | **TA5** |
| **9** | **Basement – center - <5" diameter aircell pipe insulation** | **Positive 90% Chrysotile** | **Reference Sample 7** | **TA5** |
| 10 | Basement – ceiling – plaster | Negative | N/A | SPl |
| 11 | 1st floor – back hall – north wall – plaster | Negative | N/A | SPl |
| 12 | 1st floor – kitchen – east wall – plaster | Negative | N/A | SPl |
| 13 | 1st floor – dining room – north wall – plaster | Negative | N/A | SPl |
| 14 | 1st floor – living room – north wall – plaster | Negative | N/A | SPl |
| 15 | 2nd floor – kitchen – west wall – plaster | Negative | N/A | SPl |
| 16 | 2nd floor – hall – north wall – plaster | Negative | N/A | SPl |
| 19 | 1st floor – living room – on window – glazing compound | Negative | N/A | MPG |
| 20 | 1st floor – back hall – on window – glazing compound | Negative | N/A | MPG |
| 21 | 2nd floor – living room – on window – glazing compound | Negative | N/A | MPG |
| 22 | 1st floor – kitchen – ceiling – texture | Negative | N/A | STX |
| 23 | 1st floor – northwest bedroom – ceiling – texture | Negative | N/A | STX |
| 24 | 2nd floor – kitchen – ceiling – texture | Negative | N/A | STX |
| 25 | 2nd floor – kitchen – north side – 1' x 1' ceiling tile | Negative | N/A | MSCT11 |
| 26 | 2nd floor – kitchen – south side – 1' x 1' ceiling tile | Negative | N/A | MSCT11 |
| 27 | 2nd floor – southeast bedroom – 1' x 1' ceiling tile | Negative | N/A | MSCT11 |
| 28 | Attic – south wall – drywall | Negative | N/A | MDW |
| 29 | 1st floor – kitchen – ceiling – drywall | Negative | N/A | MDW |
| 30a | 1st floor – dining room – west – joint compound | Negative | N/A | MDW |
| 30b | 1st floor – dining room – west – drywall | Negative | N/A | MDW |

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

## Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Dwelling | Asphalt Shingles & Flashing | 1,300 Sq. Ft. |
| 1st | Dining Room/Bathroom/ Kitchen//Hall/Stair | Floor Tile & Mastic | 500 Sq. Ft. |
| 2nd | Bathroom/Kitchen//Hall/Stair | Floor & Wall Mastic | 450 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MPT | Tar Paper |
| MBI | Blown in Insulation |
| MPG | Glazing Compound |
| MSCT11 | 1'x 1' Ceiling Tile |
| MDW | Drywall/Joint Compound |
| TA5 | <5" Diameter Aircell Pipe Insulation |

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

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

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

**Note#4:** Additional aircell may be within walls and ceilings

## V. EXCLUSIONS

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

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

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

## VI. LIMITATIONS

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

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

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

# VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

**ASBESTOS**

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

**CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

N/A Fluorescent Lights

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

N/A Neon

N/A Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

**PCBs**

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

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

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

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

* 2 Gas Meters on Exterior

# VIII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240898
Account Number: B929
Date Received: 09/15/2014
Received By: Cherry Rossen
Date Analyzed: 09/22/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2717

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Tan/Black Tar Paper | Asbestos Not Present | Cellulose 75 | Tar |
| 002 | 2 | Homogeneous | Tan/Black Tar Paper | Asbestos Not Present | Cellulose 75 | Tar |
| 003 | 3 | Homogeneous | Tan/Black Tar Paper | Asbestos Not Present | Cellulose 75 | Tar |
| 004 | 4 | Homogeneous | Light Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 005 | 5 | Homogeneous | Light Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 006 | 6 | Homogeneous | Light Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 007 | 7 | Homogeneous | Light Gray Insulation | Asbestos Present Chrysotile 90 | NA | Glue |

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

QuanTEM Lab No. 240898
Account Number: B929
Date Received: 09/15/2014
Received By: Cherry Rossen
Date Analyzed: 09/22/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2717

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Light Gray Insulation | Asbestos Present Chrysotile 90 | NA | Glue |
| 009 | 9 | Homogeneous | Light Gray Insulation | Asbestos Present Chrysotile 90 | NA | Glue |
| 010 | 10 | Homogeneous | Gray Plaster | Asbestos Not Present | Animal Hair 3 | Quartz Sand |
| 011 | 11 | Homogeneous | Light Gray Plaster | Asbestos Not Present | Animal Hair 4 | Quartz Sand Paint |
| 012 | 12 | Homogeneous | Light Gray Plaster | Asbestos Not Present | Animal Hair 2 | Quartz Sand Paint |
| 013 | 13 | Homogeneous | Light Gray Plaster | Asbestos Not Present | Animal Hair 3 | Quartz Sand Paint |
| 014 | 14 | Homogeneous | Light Gray Plaster | Asbestos Not Present | NA | Quartz Sand Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240898
Account Number: B929

Date Received: 09/15/2014
Received By: Cherry Rossen
Date Analyzed: 09/22/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2717

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 015 | 15 | Homogeneous | Light Gray Plaster | Asbestos Not Present | NA | Quartz Sand Paint |
| 016 | 16 | Homogeneous | Light Gray Plaster | Asbestos Not Present | Animal Hair 3 | Quartz Sand Paint |
| 017 | 19 | Homogeneous | Light Gray Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |
| 018 | 20 | Homogeneous | Light Gray Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |
| 019 | 21 | Homogeneous | Light Gray Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |
| 020 | 22 | Homogeneous | Cream Texture | Asbestos Not Present | NA | CaCO3 Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240898
Account Number: B929
Date Received: 09/15/2014
Received By: Cherry Rossen
Date Analyzed: 09/22/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2717

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 021 | 23 | Homogeneous | Cream Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 022 | 24 | Homogeneous | Cream Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 023 | 25 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 024 | 26 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 025 | 27 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 026 | 28 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |
| 027 | 29 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240898
Account Number: B929

Date Received: 09/15/2014
Received By: Cherry Rossen
Date Analyzed: 09/22/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2717

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 028 | 30 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 028a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 30 | Gypsum |

Sandy Baker, Analyst

9/22/2014
Date of Report

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

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# ASBESTOS CHAIN OF CUSTODY



QUANTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 240898 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.2717 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 9/12/14 1700 | FedEx | [signature] | 9/15/14 1015 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 240898
Accept Reject

**Project Information**

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

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

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**Two Family Dwelling**
**2150 South 18th 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.: 14-200-042.2150**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 5

VI. Limitations ..... 5

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 building at 2150 South 18th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, linoleum, ceramic tile, ceiling tile, drywall, 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 August 26, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2150 South 18th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

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

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 1 | Exterior – west wall under wood siding – tar paper | Negative | N/A | MPT |
| 2 | Exterior – north wall under wood siding – tar paper | Negative | N/A | MPT |
| 3 | Exterior – east wall under wood siding – tar paper | Negative | N/A | MPT |
| 4 | Attic – east wall – plaster | Negative | N/A | SPl |
| 5 | Attic stair – south wall – plaster | Negative | N/A | SPl |
| 6 | Basement stair – south wall – plaster | Negative | N/A | SPl |
| 7 | 1st floor – living room – south wall – plaster | Negative | N/A | SPl |
| 8a | 1st floor – kitchen – west wall – patch layer | Negative | N/A | SPl |
| 8b | 1st floor – kitchen – west wall – plaster | Negative | N/A | SPl |
| 9a | 1st floor – southwest bedroom – north wall – patch layer | Negative | N/A | SPl |
| 9b | 1st floor – southwest bedroom – north wall – plaster | Negative | N/A | SPl |
| 10 | 2nd floor – living room – ceiling – plaster | Negative | N/A | SPl |
| 11 | 2nd floor – stair – west wall – plaster | Negative | N/A | SPl |
| 12 | 2nd floor – living room – south wall – plaster | Negative | N/A | SPl |
| 13 | Attic stair – green and blue linoleum | Negative | N/A | MFLgb |
| 14 | Attic stair – green linoleum | Negative | N/A | MFLg |
| 15 | 2nd floor – stair – white linoleum | Negative | N/A | MFLw |
| 16 | 1st floor – living room – east side – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |
| 17 | 1st floor – living room – center – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |
| 18 | 1st floor – living room – west side – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |
| 19a | 1st floor – kitchen – on west wall – white ceramic tile | Negative | N/A | MCTMw |
| 19b | 1st floor – kitchen – on west wall – grout | Negative | N/A | MCTMw |
| 19c | 1st floor – kitchen – on west wall – under ceramic tile – mortar | Negative | N/A | MCTMw |
| 19d | 1st floor – kitchen – on west wall – under ceramic tile – mortar #2 | Negative | N/A | MCTMw |
| 19Ba | 2nd floor – kitchen – on south wall – white ceramic tile | Negative | N/A | MCTMw |
| 19Bb | 2nd floor – kitchen – on south wall – grout | Negative | N/A | MCTMw |
| 19Ca | 2nd floor – bathroom – on north wall – white ceramic tile | Negative | N/A | MCTMw |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 19Cb | 2nd floor – bathroom – on north wall – grout | Negative | N/A | MCTMw |
| 20a | 1st floor – bathroom – on east wall – tan ceramic tile | Negative | N/A | MCTMt |
| 20b | 1st floor – bathroom – on east wall – grout | Negative | N/A | MCTMt |
| 21a | 1st floor – bathroom – on west wall – tan ceramic tile | Negative | N/A | MCTMt |
| 21b | 1st floor – bathroom – on west wall – grout | Negative | N/A | MCTMt |
| 21c | 1st floor – bathroom – on west wall – under ceramic tile – mortar | Negative | N/A | MCTMt |
| 22a | 1st floor – bathroom floor – tan ceramic tile | Negative | N/A | MCTMt |
| 22b | 1st floor – bathroom floor – grout | Negative | N/A | MCTMt |
| 23 | 1st floor – bedroom – east wall – drywall | Negative | N/A | MDW |
| 24 | 2nd floor – bathroom – 2' x 4' ceiling tile | Negative | N/A | MSCT24 |
| 25a | Basement – on chimney – top layer – tan flue packing | Negative | N/A | TFP |
| **25b** | **Basement – on chimney – 2nd layer – black flue packing** | **Positive 12% Chrysotile** | **4 Sq. Ft.** | **TFP** |
| 25c | Basement – on chimney – bottom layer – gray flue packing | Negative | N/A | TFP |

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

## Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Dwelling | Built up Roofing & Flashing | 1,200 Sq. Ft. |
| 1st | Kitchen/Back | Floor Tile & Mastic | 300 Sq. Ft. |
| 1st | Stair | Floor Mastic | 60 Sq. Ft. |
| 2nd | Kitchen/Bathroom | Floor Tile & Mastic | 160 Sq. Ft. |
| Attic | Stair | Floor Mastic | 50 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MPT | Tar Paper |
| MDW | Drywall |
| MFLgb | Green & Blue Linoleum |
| MFLg | Green Linoleum |
| MFLw | White Linoleum |
| MSCT11 | 1' x 1' Ceiling Tile |
| MSCT24 | 2' x 4' Ceiling Tile |
| MCTMw | White Ceramic Tile |
| MCTMt | Tan Ceramic 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.

## VI. LIMITATIONS

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

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

# VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

**ASBESTOS**

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

**CFCs and HALONS**

Equipment that may contain CFCs and Halons:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

N/A Fluorescent Lights

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

N/A Neon

N/A Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, **HEATERS** AND TANKS – 1 Water Heater in Basement

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

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

**PCBs**

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

| | |
|---|---|
| N/A | Transformers |
| N/A | Capacitors (appliances, electronic equipment) |
| N/A | Heat Transfer Equipment |
| 32 | Light Ballasts – Exterior, 1st Floor Store & North Addition |
| N/A | Specialty Paints (such as for swimming pools or other industrial applications) |
| N/A | Sumps or Oil Traps (in maintenance and industrial facilities) |

## OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters & 10 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. 240261
Account Number: B929

Date Received: 08/29/2014
Received By: Leigh Armstrong
Date Analyzed: 09/05/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2150

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 002 | 2 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 003 | 3 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 004 | 4 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | | Sand Gypsum |
| 005 | 5 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | | Sand Gypsum |
| 006 | 6 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | | Sand Gypsum |
| 007 | 7 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand Gypsum CaCO3 |

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

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

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

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 013 | 13 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose | 30 | Tar Binder |
| 014 | 14 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose | 30 | Tar Binder |
| 015 | 15 | Homogeneous | Beige Linoleum | Asbestos Not Present | Cellulose | 30 | Tar Binder |
| 016 | 16 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose<br>Glass Fiber | 40<br>45 | Paint |
| 017 | 17 | Homogeneous | Brown Ceiling Tile | Asbestos Not Present | Cellulose<br>Glass Fiber | 40<br>45 | Paint |
| 018 | 18 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose<br>Glass Fiber | 30<br>30 | Perlite<br>Paint |
| 019 | 19 | Layered | White Ceramic Tile | Asbestos Not Present | NA | | Clay |

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Project Location: Milwaukee, WI
Project Number: 14-200-042.2150

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 019a | | Layered | White Grout | Asbestos Not Present | NA | Sand Gypsum |
| 019b | | Layered | White Texture | Asbestos Not Present | NA | CaCO3 |
| 019c | | Laycred | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 Gypsum |
| 020 | 19b | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay |
| 020a | | Layered | White Grout | Asbestos Not Present | NA | Clay CaCO3 |
| 021 | 19c | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay |
| 021a | | Layered | White Grout | Asbestos Not Present | NA | Clay CaCO3 |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 022 | 20 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay |
| 022a | | Layered | Gray Grout | Asbestos Not Present | NA | Sand CaCO3 |
| 023 | 21 | Layered | Red Ceramic Tile | Asbestos Not Present | NA | Clay |
| 023a | | Layered | Gray Grout | Asbestos Not Present | NA | Sand CaCO3 |
| 023b | | Layered | Light Gray Grout | Asbestos Not Present | NA | Sand CaCO3 |
| 024 | 22 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay |
| 024a | | Layered | Gray Grout | Asbestos Not Present | NA | Sand CaCO3 |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 025 | 23 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose 10 | Gypsum Paint |
| 026 | 24 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose 30<br>Glass Fiber 30 | Perlite Paint |
| 027 | 25 | Layered | Tan Insulation | Asbestos Not Present | NA | CaCO3 |
| 027a | | Layered | Black Insulation | Asbestos Present<br>Chrysotile 12 | NA | Tar |
| 027b | | Layered | Gray Insulation | Asbestos Not Present | NA | Sand<br>CaCO3 |

Cristal Veech, Analyst

9/5/2014
Date of Report

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# ASBESTOS CHAIN OF CUSTODY



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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. | 2402261 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.2150 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 8/28/14 1700 | FedEx | [illegible] 8/29/14 | 10:15 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



| For Lab Use Only |
|---|
| Lab No. 240261 |
| Accept Reject |

**Project Information**

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

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

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**Two Family Dwelling**
**4124 North 21st Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 14-200-042.4124**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 5

VI. Limitations ..... 5

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 4124 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, fiberboard, linoleum, ceramic tile, drywall, blown in insulation, 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 September 2, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 4124 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, tar paper, fiberboard, linoleum, ceramic tile, drywall, blown in insulation, and window glazing compound. These materials were sampled and the following results were noted:

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 1 | Exterior – north wall under wood siding – tar paper | Negative | N/A | MPT |
| 2 | Exterior – north wall under wood siding – tar paper | Negative | N/A | MPT |
| 3 | Exterior – north wall under wood siding – tar paper | Negative | N/A | MPT |
| 4 | Exterior – west wall – fiberboard | Negative | N/A | MFB |
| 5 | Exterior – north wall – fiberboard | Negative | N/A | MFB |
| 6 | Exterior – north wall – fiberboard | Negative | N/A | MFB |
| 7 | 1st floor – living room – east wall – texture | Negative | N/A | STX |
| 8 | 1st floor – dining room – west wall – texture | Trace <1% Chrysotile | N/A | STX |
| 8 | POINT COUNT RESULT | Trace <0.25% Chrysotile | N/A | STX |
| 9 | 1st floor – dining room – east wall – texture | Negative | N/A | STX |
| 10 | 1st floor – living room – east wall – plaster | Trace <1% Chrysotile | N/A | SPl |
| 10 | POINT COUNT RESULT | Trace <0.25% Chrysotile | N/A | SPl |
| 11 | 1st floor – living room – ceiling – plaster | Trace <1% Chrysotile | N/A | SPl |
| 11 | POINT COUNT RESULT | Trace <0.25% Chrysotile | N/A | SPl |
| 12 | 1st floor – bedroom – north wall – plaster | Trace <1% Chrysotile | N/A | SPl |
| 12 | POINT COUNT RESULT | Trace <0.25% Chrysotile | N/A | SPl |
| 13 | 1st floor – hall – south wall – plaster | Negative | N/A | SPl |
| 14a | 2nd floor – living room – west wall – plaster skim coat | Negative | N/A | SPl |
| 14b | 2nd floor – living room – west wall – plaster base coat | Negative | N/A | SPl |
| 15a | 2nd floor – dining room – east wall – plaster skim coat | Negative | N/A | SPl |
| 15b | 2nd floor – dining room – east wall – plaster base coat | Negative | N/A | SPl |
| 16a | 2nd floor – stair – ceiling – plaster skim coat | Negative | N/A | SPl |
| 16b | 2nd floor – stair – ceiling – plaster base coat | Negative | N/A | SPl |
| 17 | 1st floor – hall – top layer – yellow linoleum | Negative | N/A | MFLl |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 18 | 1st floor – kitchen – top layer north side – yellow linoleum | Negative | N/A | MFLl |
| 19 | 1st floor – kitchen – top layer south side – yellow linoleum | Negative | N/A | MFLl |
| 20 | 1st floor – bathroom – on walls – grout | Negative | N/A | MCTMG |
| 21a | 1st floor – bathroom floor – gray ceramic tile | Negative | N/A | MCTMy |
| 21b | 1st floor – bathroom floor – grout | Negative | N/A | MCTMy |
| 22a | 1st floor – back entry – ceiling – joint compound | Negative | N/A | MDW |
| 22b | 1st floor – back entry – ceiling – drywall | Negative | N/A | MDW |
| 23 | 1st floor – kitchen – bottom layer north side – tar paper #2 | Negative | N/A | MPT2 |
| 24 | 1st floor – kitchen – bottom layer south side – tar paper #2 | Negative | N/A | MPT2 |
| 25 | 1st floor – hall – bottom layer – tar paper #2 | Negative | N/A | MPT2 |
| 26 | 2nd floor – living room – in west wall – blown in insulation | Negative | N/A | MBI |
| 27 | 2nd floor – living room – in west wall – blown in insulation | Negative | N/A | MBI |
| 28 | 2nd floor – living room – in west wall – blown in insulation | Negative | N/A | MBI |
| 29 | 2nd floor – stair – on window – glazing compound | Negative | N/A | MPG |
| 30 | 2nd floor – kitchen – on window – glazing compound | Negative | N/A | MPG |
| 31 | 1st floor – living room – on window – glazing compound | Negative | N/A | MPG |

**Notes:** N/A = Not Applicable

## Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Dwelling | Asphalt Shingles & Flashing | 950 Sq. Ft. |
| Roof | Garage | Asphalt Shingles & Flashing | 450 Sq. Ft. |
| 1st /2nd | Dwelling | Asphalt Shingle Siding | 3,000 Sq. Ft. |
| 1st | Bedroom/Back Entry | Floor Tile & Mastic | 170 Sq. Ft. |
| 1st | Kitchen/Bathroom/Hall | Floor & Wall Mastic | 300 Sq. Ft. |
| 2nd | Kitchen/Stair/Hall | Floor Tile & Mastic | 300 Sq. Ft. |
| 2nd | Bathroom | Floor & Wall Mastic | 40 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MFB | Fiberboard |
| MPT | Tar Paper |
| MPT2 | Tar Paper #2 |
| MFLl | Yellow Linoleum |
| MCTMg | Grout |
| MCTMy | Gray Ceramic Tile |
| MDW | Drywall/Joint Compound |
| MBI | Blown in Insulation |
| MPG | Glazing Compound |

**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

**Basement flooded and 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

**PCBs**

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

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

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

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

# VIII. LABORATORY RESULTS

QUANTEM® LABORATORIES

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240723
Account Number: B929

Date Received: 09/09/2014
Received By: Cherry Rossen
Date Analyzed: 09/15/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee,WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 002 | 2 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 003 | 3 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 004 | 4 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 100 | |
| 005 | 5 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 100 | |
| 006 | 6 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 100 | |
| 007 | 7 | Homogeneous | White Plaster | Asbestos Not Present | Cellulose 2 | Quartz Sand 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

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

Project: DNS
Project Location: Milwaukee,WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | White Plaster | Asbestos Present Chrysotile | <1 | Cellulose | <1 | Quartz Sand Paint |
| 009 | 9 | Homogeneous | White Plaster | Asbestos Not Present | | NA | | Quartz Sand Paint |
| 010 | 10 | Homogeneous | Gray Plaster | Asbestos Present Chrysotile | <1 | Animal Hair | 3 | Quartz Sand |
| 011 | 11 | Homogeneous | Light Gray Plaster | Asbestos Present Chrysotile | <1 | Cellulose | 3 | Quartz Sand |
| 012 | 12 | Homogeneous | Light Gray Plaster | Asbestos Present Chrysotile | <1 | Cellulose | 2 | Quartz Sand Paint |
| 013 | 13 | Homogeneous | Gray Plaster | Asbestos Not Present | | Cellulose<br>Animal Hair | 2<br>3 | Quartz Sand Paint |
| 014 | 14 | Layered | Tan Skim Coat | Asbestos Not Present | | NA | | Quartz 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. 240723
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Date Received: 09/09/2014
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Client: Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee,WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 014a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose 3 | Quartz Sand |
| 015 | 15 | Layered | Tan Skim Coat | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 015a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose 3 | Quartz Sand |
| 016 | 16 | Layered | Tan Skim Coat | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 016a | | Layered | Gray Plaster | Asbestos Not Present | Animal Hair 3 | Quartz Sand |
| 017 | 17 | Homogeneous | Beige Sheet Vinyl | Asbestos Not Present | Cellulose 25<br>Glass Fiber 5 | Vinyl Foam |

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

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QUANTEM LABORATORIES

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 018 | 18 | Homogeneous | Beige<br>Sheet Vinyl | Asbestos Not Present | Cellulose 25<br>Glass Fiber 5 | Vinyl<br>Foam |
| 019 | 19 | Homogeneous | Beige<br>Sheet Vinyl | Asbestos Not Present | Cellulose 25<br>Glass Fiber 5 | Vinyl<br>Foam |
| 020 | 20 | Homogeneous | Cream<br>Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 021 | 21 | Layered | White<br>Ceramic Tile | Asbestos Not Present | NA | Clay |
| 021a | | Layered | Tan<br>Grout | Asbestos Not Present | NA | Quartz<br>Clay |
| 022 | 22 | Layered | White<br>Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 022a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose 30 | Gypsum |

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

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QuanTEM Lab No. 240723
Account Number: B929

Date Received: 09/09/2014
Received By: Cherry Rossen
Date Analyzed: 09/15/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee,WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 023 | 23 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose | 60 | Tar Cork |
| 024 | 24 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose | 60 | Tar Cork |
| 025 | 25 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose | 60 | Tar Cork |
| 026 | 26 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 027 | 27 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 028 | 28 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 029 | 29 | Homogeneous | Tan Window Glazing | Asbestos Not Present | NA | | CaCO3 Paint |

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

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

QUANTEM® LABORATORIES

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240723
Account Number: B929

Date Received: 09/09/2014
Received By: Cherry Rossen
Date Analyzed: 09/15/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee,WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 030 | 30 | Homogeneous | Tan Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |
| 031 | 31 | Homogeneous | Tan Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |

Sandy Baker, Analyst

9/15/2014
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. 240723 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.4124 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 9/8/14 1800 | Fed Ex | Amy Rosser | 9/10/14 1000 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☑ | Bulk Analysis (EPA 600/R-93/116) |
| ☐ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

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

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

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☐ | 3 - Day |
| ☑ | 5 - Day |

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

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

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# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 240723
Accept Reject

**Project Information**

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

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

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

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 240723
Accept Reject

**Project Information**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 31 | 31 | ☑ | | | | |
| 32 | | ☐ | | | | |
| 33 | | ☐ | | | | |
| 34 | | ☐ | | | | |
| 35 | | ☐ | | | | |
| 36 | | ☐ | | | | |
| 37 | | ☐ | | | | |
| 38 | | ☐ | | | | |
| 39 | | ☐ | | | | |
| 40 | | ☐ | | | | |
| 41 | | ☐ | | | | |
| 42 | | ☐ | | | | |
| 43 | | ☐ | | | | |
| 44 | | ☐ | | | | |
| 45 | | ☐ | | | | |
| 46 | | ☐ | | | | |
| 47 | | ☐ | | | | |
| 48 | | ☐ | | | | |
| 49 | | ☐ | | | | |
| 50 | | ☐ | | | | |

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 241077
Account Number: B929

Date Received: 09/18/2014
Received By: Sherrie Leftwich
Date Analyzed: 09/19/2014
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: PT CT for 240723, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.4124

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 8 | Homogeneous | White Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 002 | 10 | Homogeneous | Gray Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 003 | 11 | Homogeneous | Light Gray Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 004 | 12 | Homogeneous | Light Gray Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |

Cristal Veech, Analyst

9/19/2014
Date of Report

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

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

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 241077
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.4124 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 9/17/14 1725 | Email | S Lightwicher | 9/18/14 8:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 8 | ☑ | | | | Quantem Lab #240723 |
| 2 | 10 | ☑ | | | | |
| 3 | 11 | ☑ | | | | |
| 4 | 12 | ☑ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**SUPLEMENTAL**

**Job Site:**

**One Family Dwelling**
**3443 North 24th 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.: 14-200-042.3443S**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings And Observations ..... 3

V. Exclusion ..... 5

VI. Limitations ..... 5

VII. Laboratory Results ..... 6

VIII. HMG Certification ..... 7

## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a supplemental inspection for asbestos containing plaster at 3443 North 24th Street, Milwaukee, Wisconsin.

The inspection included plaster 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.

During an asbestos inspection conducted in August 2014, five samples of plaster surfacing had been collected and analyzed for asbestos by polarized light microscopy (PLM). One sample, collected from the 1st floor back hall south wall, contained 2% chrysotile. The City of Milwaukee Department of Neighborhood Services has requested a supplemental inspection to isolate the location of asbestos containing plaster as permitted in the USEPA guidance "Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials".

**On August 29, 2014, HMG conducted a supplemental asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 3443 North 24th Street, Milwaukee, Wisconsin. This inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

During the initial inspection, plaster had been identified in all 1st floor rooms plus the basement and attic stairs. Samples had been collected from the 1st floor entry, living room, dining room, and back hall. The approximate quantity of plaster is 4,200 sq. ft.

During the supplemental inspection additional plaster samples were collected from each of the other rooms that have plaster. If at least one plaster sample had previously been collected from a room, no additional samples were collected during the supplemental inspection.

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crodcidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents

(mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents. The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

## IV. FINDINGS AND OBSERVATIONS

The material identified as a suspect asbestos containing material (ACM) included plaster. This material was sampled and the following results were noted:

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 25 | 1st floor – back hall – west wall – plaster | Trace <1% Chrysotile | N/A | SPl |
| 25 | POINT COUNT RESULT | Trace 0.25% Chrysotile | N/A | SPl |
| 26a | 1st floor – back hall – east wall – plaster skim coat | Negative | N/A | SPl |
| 26b | 1st floor – back hall – east wall – plaster base coat | Trace <1% Chrysotile | N/A | SPl |
| 26b | POINT COUNT RESULT | Trace <0.25% Chrysotile | N/A | SPl |
| 27a | 1st floor – back hall – north wall – plaster skim coat | Negative | N/A | SPl |
| 27b | 1st floor – back hall – north wall – plaster base coat | Negative | N/A | SPl |
| 28a | 1st floor – back hall – ceiling – plaster skim coat | Negative | N/A | SPl |
| 28b | 1st floor – back hall – ceiling – plaster base coat | Negative | N/A | SPl |
| 29 | 1st floor – kitchen – ceiling – plaster | Negative | N/A | SPl |
| 30 | 1st floor – pantry – south wall – plaster | Trace <1% Chrysotile | N/A | SPl |
| 30 | POINT COUNT RESULT | Trace 0.75% Chrysotile | N/A | SPl |
| 31 | 1st floor – west bedroom – north wall – plaster | Negative | N/A | SPl |
| 32 | 1st floor – hall – south wall – plaster | Positive 2% Chrysotile | N/A | SPl |
| 32 | POINT COUNT RESULT | Trace 0.75% Chrysotile | N/A | SPl |
| 33 | 1st floor – east bedroom – east wall – plaster | Negative | N/A | SPl |
| 34 | Attic – stair – north wall – plaster | Negative | N/A | SPl |
| 35 | Basement – stair – south wall – plaster | Negative | N/A | SPl |
| **36** | **1st floor – kitchen – under plywood – linoleum backing** | **Positive 60% Chrysotile** | **200 Sq. Ft.** | **MFLback** |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| **37** | **1st floor – stair – under plywood – linoleum backing** | **Positive 60% Chrysotile** | **Reference Sample 36** | **MFLback** |
| **38** | **1st floor – pantry – under plywood – linoleum backing** | **Positive 60% Chrysotile** | **Reference Sample 36** | **MFLback** |
| 39 | 1st floor – living room – under wood floor – tar paper #2 | Negative | N/A | MPT2 |
| 40 | 1st floor – dining room – under wood floor – tar paper #2 | Negative | N/A | MPT2 |
| 41 | 1st floor – entry – under wood floor – tar paper #2 | Negative | N/A | MPT2 |

Plaster results from initial inspection August 2014:

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 14 | 1st floor – entry – west wall – plaster | Negative | N/A | SPl |
| 15a | 1st floor – living room – east wall – plaster skim coat | Negative | N/A | SPl |
| 15b | 1st floor – living room – east wall – plaster base coat | Negative | N/A | SPl |
| 16a | 1st floor – dining room – south wall – plaster skim coat | Negative | N/A | SPl |
| 16b | 1st floor – dining room – south wall – plaster base coat | Negative | N/A | SPl |
| 17 | 1st floor – dining room – ceiling – plaster | Negative | N/A | SPl |
| 18a | 1st floor – back hall – south wall – plaster skim coat | Negative | N/A | SPl |
| 18b | 1st floor – back hall – south wall – plaster base coat | Positive 2% Chrysotile | N/A | SPl |
| **18b** | **POINT COUNT RESULT** | **Positive 2% Chrysotile** | **50 Sq. Ft.** | **SPl** |

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

**Asbestos containing Plaster (SPl) is in the 1st floor back hall south wall.**

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MFLback | Linoleum Backing |
| MPT2 | Tar Paper #2 |

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

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

## V. EXCLUSIONS

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

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

# VII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240408
Account Number: B929

Date Received: 09/02/2014
Received By: Judy Rowan
Date Analyzed: 09/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3443

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 25 | Homogeneous | Gray Plaster | Asbestos Present Chrysotile <1 | Cellulose 2 | Quartz CaCO3 Paint |
| 002 | 26 | Layered | Tan Skim Coat | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 002a | | Layered | Gray Plaster | Asbestos Present Chrysotile <1 | NA | Quartz CaCO3 |
| 003 | 27 | Layered | Tan Skim Coat | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 003a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose 2 | Quartz CaCO3 |
| 004 | 28 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 004a | | Layered | Tan plaster | Asbestos Not Present | NA | Quartz CaCO3 |

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

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QUANTEM® LABORATORIES

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240408
Account Number: B929
Date Received: 09/02/2014
Received By: Judy Rowan
Date Analyzed: 09/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3443

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 005 | 29 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 006 | 30 | Homogeneous | Gray Plaster | Asbestos Present Chrysotile <1 | NA | Quartz CaCO3 Paint |
| 007 | 31 | Layered | Tan Skim Coat | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 008 | 32 | Homogeneous | Gray Plaster | Asbestos Present Chrysotile 2 | Cellulose <1 | Quartz CaCO3 Paint |
| 009 | 33 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Quartz CaCO3 Paint |
| 010 | 34 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Quartz CaCO3 Paint |

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

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240408
Account Number: B929
Date Received: 09/02/2014
Received By: Judy Rowan
Date Analyzed: 09/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3443

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 011 | 35 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | NA | Quartz<br>CaCO3<br>Paint |
| 012 | 36 | Homogeneous | Gray<br>Sheet Vinyl Backing | Asbestos Present<br>Chrysotile 60 | Cellulose 10 | Binder |
| 013 | 37 | Homogeneous | Gray<br>Sheet Vinyl Backing | Asbestos Present<br>Chrysotile 60 | Cellulose 10 | Binder |
| 014 | 38 | Homogeneous | Gray<br>Sheet Vinyl Backing | Asbestos Present<br>Chrysotile 60 | Cellulose 15 | Binder |
| 015 | 39 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 016 | 40 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 017 | 41 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |

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

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QUANTEM® LABORATORIES

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240408
Account Number: B929

Date Received: 09/02/2014
Received By: Judy Rowan
Date Analyzed: 09/08/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3443

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

Gayle Ooten, Analyst

9/8/2014
Date of Report

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

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

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# ASBESTOS CHAIN OF CUSTODY

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



**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 240408 | |
| Accept | Reject |

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

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.3443 |
| P.O. Number: | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 8/29/14 1700 | FedEx | Judy Rowan | 9/2/14 10:30 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☑ | Bulk Analysis (EPA 600/R-93/116) |
| ☐ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

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

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

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☐ | 3 - Day |
| ☑ | 5 - Day |

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 25 | ☒ | | | | |
| 2 | 26 | ☐ | | | | |
| 3 | 27 | ☐ | | | | |
| 4 | 28 | ☐ | | | | |
| 5 | 29 | ☐ | | | | |
| 6 | 30 | ☐ | | | | |
| 7 | 31 | ☐ | | | | |
| 8 | 32 | ☐ | | | | |
| 9 | 33 | ☐ | | | | |
| 10 | 34 | ☑ | | | | |

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

QUANTEM LABORATORIES
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# 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. 240408
Accept Reject

**Project Information**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 11 | 35 | ☒ | | | | |
| 12 | 36 | ☐ | | | | Do Not Test Mastic |
| 13 | 37 | ☐ | | | | |
| 14 | 38 | ☐ | | | | |
| 15 | 39 | ☐ | | | | |
| 16 | 40 | ☐ | | | | |
| 17 | 41 | ☑ | | | | |
| 18 | | ☐ | | | | |
| 19 | | ☐ | | | | |
| 20 | | ☐ | | | | |
| 21 | | ☐ | | | | |
| 22 | | ☐ | | | | |
| 23 | | ☐ | | | | |
| 24 | | ☐ | | | | |
| 25 | | ☐ | | | | |
| 26 | | ☐ | | | | |
| 27 | | ☐ | | | | |
| 28 | | ☐ | | | | |
| 29 | | ☐ | | | | |
| 30 | | ☐ | | | | |

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240660
Account Number: B929
Date Received: 09/09/2014
Received By: Sherrie Leftwich
Date Analyzed: 09/09/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: PTCT for 240408, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.3443

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 25 | Homogeneous | Gray Plaster | Asbestos Present<br>Chrysotile 0.25<br>400 Point Count | NA | |
| 002 | 26 | Homogeneous | Gray Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 003 | 30 | Homogeneous | Gray Plaster | Asbestos Present<br>Chrysotile 0.75<br>400 Point Count | NA | |
| 004 | 32 | Homogeneous | Gray Plaster | Asbestos Present<br>Chrysotile 0.75<br>400 Point Count | NA | |

Gayle Ooten, Analyst

9/9/2014
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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# ASBESTOS CHAIN OF CUSTODY

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 240660
Accept Reject

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

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.3443 |
| P.O. Number: | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 9/9/14 1200 | Email | Shaffer Wicks | 9/9/14 12:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 25 | ☒ | | | | Quantem Lab# 240408 |
| 2 | 26 | ☐ | | Gray Plaster | | |
| 3 | 30 | ☐ | | | | |
| 4 | 32 | ☑ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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

# VIII. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**One Family Dwelling**
**5228 North 44th 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.: 14-200-042.5228**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 4

VI. Limitations ..... 4

VII. Pre-Demolition Environmental Checklist ..... 5

VIII. Laboratory Results ..... 9

IX. HMG Certifications ..... 10

## 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 5228 North 44th Street, Milwaukee, Wisconsin.

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

## II. BUILDING SURVEY

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

**On September 8, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 5228 North 44th Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include fiberboard, drywall/joint compound, and blown in insulation. These materials were sampled and the following results were noted:

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 1 | 1st floor – entry – south wall – fiberboard | Negative | N/A | MFB |
| 2 | 1st floor – living room – west wall – fiberboard | Negative | N/A | MFB |
| 3 | 1st floor – dining room – west wall – fiberboard | Negative | N/A | MFB |
| 4 | 1st floor – entry – south door jamb – joint compound | Positive 3% Chrysotile | N/A | MDW |
| 4 | 1st floor – entry – south door jamb – drywall | Negative | N/A | MDW |
| 4 | COMPOSITE POINT COUNT RESULT | Trace 0.75% Chrysotile | N/A | MDW |
| 5 | 1st floor – living room – ceiling – drywall | Negative | N/A | MDW |
| 6 | 1st floor – dining room – ceiling – drywall | Negative | N/A | MDW |
| 7 | 1st floor – bedroom – on floor – blown in insulation | Negative | N/A | MBI |
| 8 | 1st floor – dining room – on floor – blown in insulation | Negative | N/A | MBI |
| 9 | 1st floor – living room – on floor – blown in insulation | Negative | N/A | MBI |

**Notes:** N/A = Not Applicable

### Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Garage | Asphalt Shingles & Flashing | 300 Sq. Ft. |

**Homogeneous Material Code**

| | |
|---|---|
| MFB | Fiberboard |
| MDW | Drywall/Joint Compound |
| MBI | Blown in Insulation |
| 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.

## V. EXCLUSIONS

**All 1st floor room floors buried in debris and 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

N/A Fluorescent Lights

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

N/A Neon

N/A Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

**PCBs**

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Light Ballasts

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

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

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

* 1 Gas Meter on Exterior

# VIII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240886
Account Number: B929
Date Received: 09/15/2014
Received By: Judy Rowan
Date Analyzed: 09/17/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.5228

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Gray Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |
| 002 | 2 | Homogeneous | Gray Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |
| 003 | 3 | Homogeneous | Gray Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |
| 004 | 4 | Layered | White Texture | Asbestos Present Chrysotile 3 | NA | | CaCO3 |
| 004a | | Layered | Tan Sheetrock | Asbestos Not Present | Cellulose | 25 | Gypsum |
| 005 | 5 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| 006 | 6 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |

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

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 240886
Account Number: B929
Date Received: 09/15/2014
Received By: Judy Rowan
Date Analyzed: 09/17/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.5228

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 007 | 7 | Homogeneous | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 008 | 8 | Homogeneous | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 009 | 9 | Homogeneous | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |

Gayle Ooten, Analyst

9/17/2014
Date of Report

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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



**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 240886 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.5228 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [illegible] | 9/12/14 1700 | FedEx | Judy Rowan | 9/15/14 10:15 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

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

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 241170
Account Number: B929

Date Received: 09/19/2014
Received By: Sherrie Leftwich
Date Analyzed: 09/19/2014
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: PTCT for 240886, DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.5228

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 4 | Composite | Tan/White Texture / Sheetrock | Asbestos Present Chrysotile 0.75 400 Point Count | NA | |

Gayle Ooten, Analyst

9/19/2014
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



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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 241170
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.5228 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 9/18/14 1650 | Email | | |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 4 | ☑ | | Composite Point Count | | Quantem Lab #240886 |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2027 West Greenfield 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.: 14-200-042.2027**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**May 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 5

VI. Limitations ..... 5

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 2027 West Greenfield Avenue, Milwaukee, Wisconsin.

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

# II. BUILDING SURVEY

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

**On May 14, 2014 HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2027 West Greenfield 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.
3. Quantification of observable positive materials existing within the spaces.

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, stucco, transite siding, flue packing, duct paper, ceiling tile, window glazing compound, drywall/joint compound, and linoleum. 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. 4% Amosite** | **3,500 Sq. Ft.** | **MTP** |
| **2** | **Exterior – east wall – transite siding** | **Positive 25% Chrysotile. 4% Amosite** | **Reference Sample 1** | **MTP** |
| **3** | **Exterior – north wall – transite siding** | **Positive 25% Chrysotile. 4% Amosite** | **Reference Sample 1** | **MTP** |
| 4 | Exterior – basement level – south wall – stucco | Negative | N/A | STC |
| 5 | Exterior – basement level – east wall – stucco | Negative | N/A | STC |
| 6 | Exterior – basement level – north wall – stucco | Negative | N/A | STC |
| 7a | Attic – stair – north wall – plaster skim coat | Negative | N/A | SPl |
| 7b | Attic – stair – north wall – plaster base coat | Negative | N/A | SPl |
| 8a | 1st floor – entry – south wall – plaster skim coat | Negative | N/A | SPl |
| 8b | 1st floor – entry – south wall – plaster base coat | Negative | N/A | SPl |
| 9a | 2nd floor – stair – east wall – plaster skim coat | Negative | N/A | SPl |
| 9b | 2nd floor – stair – east wall – plaster base coat | Negative | N/A | SPl |
| 10a | 2nd floor – dining room – ceiling – plaster skim coat | Negative | N/A | SPl |
| 10b | 2nd floor – dining room – ceiling – plaster base coat | Negative | N/A | SPl |
| 11a | 2nd floor – dining room – ceiling – plaster skim coat | Negative | N/A | SPl |
| 11b | 2nd floor – dining room – ceiling – plaster base coat | Negative | N/A | SPl |
| 12 | Basement – on chimney – gray flue packing | Negative | N/A | TFPy |
| 13 | Basement – on chimney – light gray flue packing | Negative | N/A | TFPylight |
| 14 | Basement – on chimney – dark gray flue packing | Negative | N/A | TFPydark |
| **15** | **Basement – on boot – duct paper** | **Positive 75% Chrysotile** | **30 Sq. Ft.** | **TDW** |
| **16** | **Basement – on boot – duct paper** | **Positive 75% Chrysotile** | **Reference Sample 16** | **TDW** |
| **17** | **Basement – on boot – duct paper** | **Positive 75% Chrysotile** | **Reference Sample 16** | **TDW** |
| 18 | 1st floor – living room – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |
| 19 | 1st floor – south bedroom – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |
| 20 | 1st floor – center bedroom – 1’ x 1’ ceiling tile | Negative | N/A | MSCT11 |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 21 | 1st floor – living room – south window – glazing compound | Negative | N/A | MPG |
| 22 | 1st floor – dining room – east window – glazing compound | Negative | N/A | MPG |
| 23 | 2nd floor – kitchen – east window – glazing compound | Negative | N/A | MPG |
| 24 | 1st floor – living room – on tv stand – drywall | Negative | N/A | MDW |
| 25a | 1st floor – bathroom – south wall – joint compound | Negative | N/A | MDW |
| 25b | 1st floor – bathroom – south wall – drywall | Negative | N/A | MDW |
| 26a | 1st floor – bathroom – north wall – joint compound | Negative | N/A | MDW |
| 26b | 1st floor – bathroom – north wall – drywall | Negative | N/A | MDW |
| 27 | 2nd floor – bathroom – white linoleum | Negative | N/A | MFLw |
| 28 | 1st floor – bathroom – beige linoleum | Negative | N/A | MFLe |

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

## Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Dwelling | Asphalt Shingles & Flashing | 1,200 Sq. Ft. |
| 1st /2nd | Dwelling | Asphalt Shingle Siding | 3,500 Sq. Ft. |
| Roof | Garage | Asphalt Shingles & Flashing | 450 Sq. Ft. |
| 1st | Bathroom | Floor Mastic | 40 Sq. Ft. |
| 2nd | Kitchen/Pantry | Floor Tile & Mastic | 350 Sq. Ft. |
| 2nd | Bathroom | Floor Mastic | 50 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STC | Stucco |
| MTP | Transite |
| MSCT11 | 1' x 1' Ceiling Tile |
| MPG | Glazing Compound |
| MDW | Drywall/Joint Compound |
| MFLw | White Linoleum |
| MFLe | Beige Linoleum |
| TFPy | Gray Flue Packing |
| TFPylight | Light Gray Flue Packing |
| TFPydark | Dark 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

**1st floor kitchen floor 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, **FURNACES, HEATERS** AND TANKS – 1 Furnace in 2nd Floor Dining Room. 2 Water Heaters in Basement

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

**ELECTRICAL SYSTEMS – 2 Electric Meters in Basement.**

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

**PCBs**

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

| | |
|---|---|
| N/A | Transformers |
| N/A | Capacitors (appliances, electronic equipment) |
| N/A | Heat Transfer Equipment |
| 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 |

* 5 Gallons Paint in Basement

# VIII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235562
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Green Transite | Asbestos Present | | NA | CaCO3 Binder |
| | | | | Chrysotile | 25 | | |
| | | | | Amosite | 4 | | |
| 002 | 2 | Homogeneous | Green Transite | Asbestos Present | | NA | CaCO3 Binder |
| | | | | Chrysotile | 25 | | |
| | | | | Amosite | 4 | | |
| 003 | 3 | Homogeneous | Green Transite | Asbestos Present | | NA | CaCO3 Binder |
| | | | | Chrysotile | 25 | | |
| | | | | Amosite | 4 | | |
| 004 | 4 | Homogeneous | Gray Concrete | Asbestos Not Present | | NA | Quartz Sand |
| 005 | 5 | Homogeneous | Gray Concrete | Asbestos Not Present | | NA | Quartz Sand |
| 006 | 6 | Homogeneous | Gray Concrete | Asbestos Not Present | | NA | 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. 235562
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 007 | 7 | Layered | Tan Plaster | Asbestos Not Present | NA | Quartz Sand Paint |
| 007a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 008 | 8 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 008a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 009 | 9 | Layered | Tan Plaster | Asbestos Not Present | NA | Quartz Sand Paint |
| 009a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 010 | 10 | Layered | Tan Plaster | Asbestos Not Present | NA | Quartz Sand 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. 235562
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 010a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 011 | 11 | Layered | Tan Plaster | Asbestos Not Present | NA | Quartz Sand Paint |
| 011a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 012 | 12 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 013 | 13 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 014 | 14 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 015 | 15 | Homogeneous | Tan Insulation | Asbestos Present Chrysotile 75 | Cellulose 20 | Binder |

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235562
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 016 | 16 | Homogeneous | Tan Insulation | Asbestos Present Chrysotile 75 | Cellulose 20 | Binder |
| 017 | 17 | Homogeneous | Tan Insulation | Asbestos Present Chrysotile 75 | Cellulose 20 | Binder |
| 018 | 18 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose 90 | Paint |
| 019 | 19 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose 90 | Paint |
| 020 | 20 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose 90 | Paint |
| 021 | 21 | Homogeneous | Cream Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |
| 022 | 22 | Homogeneous | Cream Window Glazing | Asbestos Not Present | NA | CaCO3 Paint |

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

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 235562
Account Number: B929
Date Received: 05/16/2014
Received By: Joanna Mueller
Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 023 | 23 | Homogeneous | Cream<br>Window Glazing | Asbestos Not Present | NA | | CaCO3<br>Paint |
| 024 | 24 | Homogeneous | White<br>Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |
| 025 | 25 | Layered | White<br>Texture | Asbestos Not Present | NA | | CaCO3<br>Paint |
| 025a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |
| 026 | 26 | Layered | White<br>Joint Compound | Asbestos Not Present | Cellulose | 70 | CaCO3<br>Paint |
| 026a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |
| 027 | 27 | Homogeneous | Beige<br>Sheet Vinyl | Asbestos Not Present | Cellulose<br>Glass Fiber | 25<br>5 | Vinyl<br>Foam |

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. 235562
Account Number: B929
Date Received: 05/16/2014
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Date Analyzed: 05/23/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2027

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 028 | 28 | Homogeneous | Cream Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| | | | | | Glass Fiber | 5 | Foam |

Sandy Baker, Analyst

5/23/2014
Date of Report

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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



**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 235562 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.2027 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 5/15/14 1800 | FedEx | [signature] | 5-16-14 10:00 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☒ | Bulk Analysis (EPA 600/R-93/116) |
| ☐ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

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

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

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☐ | 3 - Day |
| ☑ | 5 - Day |

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 235562
Accept Reject

**Project Information**

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

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

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

# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015

Today's Date: 08/04/2014

# Braxton Environmental Service

6311 North 91th Street

COPY

ASBESTOS REMOVAL

## CERTIFICATION OF COMPLETION

Owner / Owners Rep. Neighborhood Services

Begin Abatement Date: 07/12/2014

Final Completion Date: 07/12/2014

Project Name: City Demo Project

Site Location: 2027 West Greenfeild Ave

Braxton Environmental Service Corp. hereby certifies that the asbestos work perfomed for City Of Milwaukee And all asbestos indentified in the environmental report is Complete. That the materials listed has been properly removed in accordance with all local, state, And federal regulations.

(Signature)

Project Manager

(Title)

08/04/2014

(Date)

Asbestos Type

Siding duct paper

Additional Asbestos Removed

Property Location

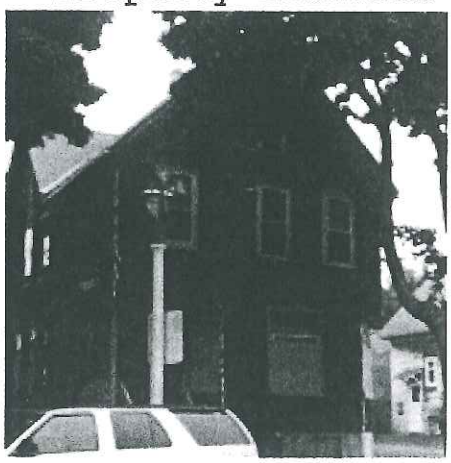

Photo Here

Photo Here

Photo Here

Photo Here

# WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only

Elevation_____

North_____ East_____

**Generator**

1-A. Special Waste Profile Number: Arb 31198

NESHAP Notified: X YES ____ NO

WSR Number: 105314

1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code): City of Milwaukee Department of Neighborhood Service 841 N Broadway, Milwaukee WI 53202

1-C. Generator's Phone Number: 414-286-2503

1-D. Work Site Address: 2027 West Greenfield Avenue Milwaukee WI

1-E. 24 Hour Emergency Response Telephone Number: 414-530-0896

2. Operator's Name and Complete Mailing Address: Braxton Environmental, 6311A North 91st Street, Milwaukee Wi 53225

Operator's Phone Number: 414-449-9000

3. Waste Disposal Site (WDS) Name and Complete Mailing Address: Orchard Ridge Recycling & Disposal Facility, W124 N9355 Boundary Road; Menomonee Falls, WI 53051

WDS Phone Number: 262-253-8620

4. Name and Address of Responsible Agency: Southeast District, Wisconsin Department of Natural Resources, 2300 North Dr Martin Luther King Jr., Drive; Milwaukee, WI 53212

| 5. Description of Materials | | 6. Containers No. | Type | 7. Total Quantity yd3 |
|---|---|---|---|---|
| Transite Ductwork | | | | |
| friable asbestos | RQ, NA2212, Asbestos, 9, PGIII | | | |
| non-friable asbestos Transite Ductwork | Cat I ____ Cat II X | 12 | BP | 1.1 yds |

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL, MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title: Project Billkoch manager

Signature: Bill Koch

Date: 9-2-2014

**Transporter**

10. Transporter 1 Company Name: Braxton Environmental

Complete Mailing Address: 6311A North 91st Street, Milwaukee WI 53225

Telephone Number (including area code): 414-449-9000

Driver Signature: Bill Koch

Printed Name and Title: Project Billkoch manager /Driver

Date: Aug 2 2014

11. Transporter 2 Company Name

Complete Mailing Address

Telephone Number (including area code)

Driver Signature

Printed Name and Title /Driver

Date

**Disposal Site**

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Printed/Typed Name and Title: /Gate Attendant

Signature

Date

DCE-230-97

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**Two Family Dwelling**
**2450 West Lloyd 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.: 14-200-042.2450**
**Contract No.: 360-14-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204

**September 2014**

# TABLE OF CONTENTS

I. Introduction ..... 2

II. Building Survey ..... 2

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

IV. Findings and Observations ..... 3

V. Exclusions ..... 4

VI. Limitations ..... 5

VII. Pre-Demolition Environmental Checklist ..... 6

VIII. Laboratory Results ..... 10

IX. HMG Certifications ..... 11

# 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 building at 2450 West Lloyd Street, Milwaukee, Wisconsin.

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

# II. BUILDING SURVEY

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

**On August 22, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2450 West Lloyd Street, Milwaukee, Wisconsin. The inspection was conducted by Eric Christon, Wisconsin License No. AII – 12823.**

The inspection was comprised of three elements:

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

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

# III. THE LABORATORY

## A. METHOD OF ANALYSIS

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

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

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

## IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, blown in insulation, drywall/joint compound, and linoleum. These materials were sampled and the following results were noted:

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| 1a | 1st floor – dining room – west wall – plaster skim coat | Negative | N/A | SPl |
| 1b | 1st floor – dining room – west wall – plaster base coat | Negative | N/A | SPl |
| 2a | 1st floor – living room – east wall – plaster skim coat | Negative | N/A | SPl |
| 2b | 1st floor – living room – east wall – plaster base coat | Negative | N/A | SPl |
| 3a | 1st floor – kitchen – north wall – plaster skim coat | Negative | N/A | SPl |
| 3b | 1st floor – kitchen – north wall – plaster base coat | Negative | N/A | SPl |
| 4a | 1st floor – back hall – south wall – plaster skim coat | Negative | N/A | SPl |
| 4b | 1st floor – back hall – south wall – plaster base coat | Negative | N/A | SPl |
| 5a | 2nd floor – living room – ceiling – plaster skim coat | Negative | N/A | SPl |
| 5b | 2nd floor – living room – ceiling – plaster base coat | Negative | N/A | SPl |
| 6 | 2nd floor – dining room – east wall – plaster base coat | Negative | N/A | SPl |
| 7a | 2nd floor – bedroom – west wall – plaster skim coat | Negative | N/A | SPl |
| 7b | 2nd floor – bedroom – west wall – plaster base coat | Negative | N/A | SPl |
| 8 | 1st floor – kitchen – in south wall – blown in insulation | Negative | N/A | MBI |
| 9 | 1st floor – sunroom – in debris pile – blown in insulation | Negative | N/A | MBI |
| 10 | 1st floor – sunroom – in debris pile – blown in insulation | Negative | N/A | MBI |
| 11a | 1st floor – kitchen – north wall – joint compound | Negative | N/A | MDW |
| 11b | 1st floor – kitchen – north wall – drywall | Negative | N/A | MDW |
| 12 | 2nd floor – bathroom – cream linoleum | Negative | N/A | MFLc |
| 13 | 1st floor – bathroom – white linoleum | Negative | N/A | MFLw |
| **14** | **2nd floor – pantry – under 2 layers floor tile – green linoleum** | **Positive 25% Chrysotile** | **280 Sq. Ft.** | **MFLg** |
| **15** | **2nd floor – pantry 2 – under 2 layers floor tile – green linoleum** | **Positive 25% Chrysotile** | **Reference Sample 14** | **MFLg** |

| Sample # | Location and Description | Results | Approximate Quantity | Homogeneous Code |
|---|---|---|---|---|
| **16** | **2nd floor – kitchen – under 2 layers floor tile – green linoleum** | **Positive 25% Chrysotile** | **Reference Sample 14** | **MFLg** |

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

## Assumed Category I Non-Friable Asbestos Containing Material:

| Floor Level | Location | Description | Approximate Quantity |
|---|---|---|---|
| Roof | Dwelling | Built up Roofing & Flashing | 1,300 Sq. Ft. |
| 1st /2nd | Dwelling | Asphalt Shingle Siding | 3,100 Sq. Ft. |
| 1st | Kitchen/Closet/Pantry/Back Hall | Floor Tile & Mastic | 500 Sq. Ft. |
| 1st | Bathroom | Floor Mastic | 50 Sq. Ft. |
| 2nd | Kitchen/Pantries | Floor Tile & Mastic | 500 Sq. Ft. |
| 2nd | Bathroom | Floor Mastic | 50 Sq. Ft. |

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MBI | Blown in Insulation |
| MDW | Drywall/Joint Compound |
| MFLc | Cream Linoleum |
| MFLw | White Linoleum |
| MFLg | Green Linoleum |

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

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

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

## V. EXCLUSIONS

**Sun Room floor buried in debris and not accessible. Basement flooded and 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

LIGHTING

| | |
|---|---|
| 43 | Fluorescent Lights – Exterior, 1st Floor Store & North Addition |
| N/A | High Intensity Discharge<br>-Metal Halide<br>-High Pressure Sodium<br>-Mercury Vapor |
| N/A | Neon |
| N/A | Switches for lighting using mercury relays<br>-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches. |

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

## ELECTRICAL SYSTEMS

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

**PCBs**

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

| | |
|---|---|
| N/A | Transformers |
| N/A | Capacitors (appliances, electronic equipment) |
| N/A | Heat Transfer Equipment |
| 32 | Light Ballasts – Exterior, 1st Floor Store & North Addition |
| 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. 240265
Account Number: B929

Date Received: 08/29/2014
Received By: Leigh Armstrong
Date Analyzed: 09/05/2014
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Layered | Light Gray Skim Coat | Asbestos Not Present | Talc | 6 | Quartz Paint |
| 001a | | Layered | White Plaster | Asbestos Not Present | Cellulose | 2 | Gypsum CaCO3 |
| 002 | 2 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 002a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | <1 | Quartz Sand |
| 003 | 3 | Layered | Light Gray Skim Coat | Asbestos Not Present | NA | | Quartz Sand Paint |
| 003a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | 2 | Quartz Sand |
| 004 | 4 | Layered | Light Gray Skim Coat | Asbestos Not Present | NA | | Quartz Sand Paint |

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

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

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 004a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |
| 005 | 5 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Paint |
| 005a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose 2 | Quartz Sand |
| 006 | 6 | Homogeneous | Light Gray Plaster | Asbestos Not Present | NA | Quartz Sand Paint |
| 007 | 7 | Layered | Light Gray Skim Coat | Asbestos Not Present | NA | Quartz Sand Paint |
| 007a | | Layered | Gray Plaster | Asbestos Not Present | NA | Quartz Sand |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Dark Gray Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 009 | 9 | Homogeneous | Dark Gray Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 010 | 10 | Homogeneous | Dark Gray Insulation | Asbestos Not Present | Glass Fiber | 99 | |
| 011 | 11 | Layered | White Skim Coat | Asbestos Not Present | NA | | Quartz Sand Paint |
| 011a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 30 | Gypsum |
| 012 | 12 | Homogeneous | Beige Sheet Vinyl | Asbestos Not Present | Cellulose<br>Glass Fiber | 25<br>5 | Vinyl<br>Foam |
| 013 | 13 | Homogeneous | Dark Gray Sheet Vinyl | Asbestos Not Present | Cellulose<br>Glass Fiber | 25<br>5 | Vinyl<br>Foam |

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QUANTEM® LABORATORIES

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# Polarized Light Microscopy Asbestos Analysis Report

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 14-200-042.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | Green Sheet Vinyl | Asbestos Present Chrysotile | 25 | Cellulose | 5 | Vinyl Foam |
| 015 | 15 | Homogeneous | Green Sheet Vinyl | Asbestos Present Chrysotile | 25 | Cellulose | 5 | Vinyl Foam |
| 016 | 16 | Homogeneous | Green Sheet Vinyl | Asbestos Present Chrysotile | 25 | Cellulose | 5 | Vinyl Foam |

Sandy Baker, Analyst

9/5/2014
Date of Report

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

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QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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



**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 240265 | |
| (Accept) | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 14-200-042.2450 |
| P.O. Number: | |

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

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 8/28/14 1700 | FedEx | [illegible] 8/29/14 | 10:15 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☑ | Bulk Analysis (EPA 600/R-93/116) |
| ☐ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

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

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

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☐ | 3 - Day |
| ☑ | 5 - Day |

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

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



| For Lab Use Only |
|---|
| Lab No. 240265 |
| Accept Reject |

**Project Information**

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

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

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# IX. HMG CERTIFICATION

# Company Certificate

This certifies that

## HARENDA MANAGEMENT GROUP

PO BOX 511305
NEW BERLIN WI 53151-2105

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

## Asbestos Company - Primary

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

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

Shelley A Bruce,
Unit Supervisor

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

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

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

Training due by: 03/19/2015