



ASBESTOS INSPECTION REPORT

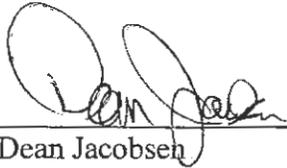
Job Site:

**2 Family Front Dwelling
2916 North 5th 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.: 12-0210.2916F
Contract No.: 360-12-0553**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

October 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the front dwelling at 2916 North 5th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 15, 2012, HMG conducted an asbestos inspection of a two family front dwelling scheduled for mechanical demolition, located at 2916 North 5th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining),

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2916F	1 st floor – northeast bedroom – east window – glazing compound	Negative	N/A	MPG
2-2916F	2 nd floor – living room – west window – glazing compound	Positive 2% Chrysotile	36 Windows	MPG
3-2916F	3 rd floor – living room – south window – glazing compound	Negative	N/A	MPG
4-2916F	1 st floor – front porch – under floor tile – tar paper	Negative	N/A	MPT
5-2916F	1 st floor – kitchen – under floor tile – tar paper	Negative	N/A	MPT
6-2916F	1 st floor – hall – under floor tile – tar paper	Negative	N/A	MPT
7-2916F	1 st floor – rear stair – green linoleum	Positive 20% Chrysotile	190 Sq. Ft.	MFLg
8-2916F	2 nd floor – rear stair – green linoleum	Positive 20% Chrysotile	Reference 7-2916F	MFLg
9-2916F	3 rd floor – rear stair – green linoleum	Negative	N/A	MFLg
10-2916F	2 nd floor – bathroom floor – 3 rd layer – beige and gray linoleum	Negative	N/A	MFLey
11-2916F	2 nd floor – bathroom floor – 4 th layer – orange linoleum	Negative	N/A	MFLo
12-2916F	2 nd floor – bathroom – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
13-2916F	2 nd floor – hall – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
14-2916F	2 nd floor – hall – 2' x 4' pinholed and grooved ceiling tile	Negative	N/A	MSCT24PG
15-2916Fa	2 nd floor – northwest bedroom – east wall – plaster base coat	Negative	N/A	SP1
15-2916Fb	2 nd floor – northwest bedroom – east wall – plaster skim coat	Negative	N/A	SP1
16-2916Fa	2 nd floor – north center bedroom – west wall – plaster base coat	Negative	N/A	SP1

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16-2916Fb	2 nd floor – north center bedroom – west wall – plaster skim coat	Negative	N/A	SPI
17-2916Fa	2 nd floor – hall – ceiling – plaster base coat	Negative	N/A	SPI
17-2916Fb	2 nd floor – hall – ceiling – plaster skim coat	Negative	N/A	SPI
18-2916Fa	1 st floor – rear stair – west wall – plaster base coat	Negative	N/A	SPI
18-2916Fb	1 st floor – rear stair – west wall – plaster skim coat	Negative	N/A	SPI
19-2916Fa	1 st floor – northeast bedroom – ceiling – plaster base coat	Negative	N/A	SPI
19-2916Fb	1 st floor – northeast bedroom – ceiling – plaster skim coat	Negative	N/A	SPI
20-2916Fa	1 st floor – northwest bedroom – ceiling – plaster base coat	Negative	N/A	SPI
20-2916Fb	1 st floor – northwest bedroom – ceiling – plaster skim coat	Negative	N/A	SPI
21-2916Fa	1 st floor – dining room – ceiling – plaster base coat	Negative	N/A	SPI
21-2916Fb	1 st floor – dining room – ceiling – plaster skim coat	Negative	N/A	SPI
22-2916F	1 st floor – front stair – under carpet – cream linoleum	Negative	N/A	MFLc
23-2916F	2 nd floor – dining room – west side under carpet – tan and orange linoleum	Negative	N/A	MFLto
24-2916F	2 nd floor – dining room – center under carpet – tan and orange linoleum	Negative	N/A	MFLto
25-2916F	2 nd floor – dining room – east side under carpet – tan and orange linoleum	Negative	N/A	MFLto
26-2916F	2 nd floor – dining room – west side under tan and orange linoleum – cream and gray linoleum	Negative	N/A	MFLcy
27-2916F	2 nd floor – dining room – center under tan and orange linoleum – cream and gray linoleum	Negative	N/A	MFLcy
28-2916F	2 nd floor – dining room – east side under tan and orange linoleum – cream and gray linoleum	Negative	N/A	MFLcy
29-2916F	3 rd floor – rear stair landing – brown and orange linoleum	Negative	N/A	MFLno
30-2916F	3 rd floor – bedroom – under carpet – brown linoleum	Negative	N/A	MFLn
31-2916Fa	3 rd floor – bedroom – south wall – drywall	Negative	N/A	SPI2
31-2916Fb	3 rd floor – bedroom – south wall – plaster	Negative	N/A	SPI2
32-2916Fa	3 rd floor – bedroom – east wall – drywall	Negative	N/A	SPI2
32-2916Fb	3 rd floor – bedroom – east wall – plaster	Negative	N/A	SPI2
33-2916Fa	3 rd floor – bedroom – north wall – drywall	Negative	N/A	SPI2
33-2916Fb	3 rd floor – bedroom – north wall – plaster	Negative	N/A	SPI2
34-2916F	3 rd floor – bedroom – on floor duct – duct paper <i>Note: 20 sq. ft. of floor contaminated</i>	Positive 60% Chrysotile	110 Sq. Ft.	TDW
34A-2916F	Basement – on floor – duct paper	Positive 60% Chrysotile	Reference 34-2916F	TDW
34B-2916F	Basement – on duct – duct paper	Positive 60% Chrysotile	Reference 34-2916F	TDW
35-2916F	3 rd floor – living room – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
36-2916F	3 rd floor – hall – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
37-2916F	3 rd floor – bathroom – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
38-2916Fa	3 rd floor – living room – west wall – drywall	Negative	N/A	MDW
38-2916Fb	3 rd floor – living room – west wall – joint compound	Negative	N/A	MDW
39-2916Fa	3 rd floor – hall – south wall – drywall	Negative	N/A	MDW
39-2916Fb	3 rd floor – hall – south wall – joint compound	Negative	N/A	MDW
40-2916Fa	3 rd floor – stair – north wall – drywall	Negative	N/A	MDW
40-2916Fb	3 rd floor – stair – north wall – joint compound	Negative	N/A	MDW
41-2916F	2 nd floor – kitchen – under floor tile – beige linoleum	Negative	N/A	MFLe
42-2916F	2 nd floor – hall – under floor tile – beige linoleum	Negative	N/A	MFLe
43-2916F	2 nd floor – pantry – under floor tile – beige linoleum	Negative	N/A	MFLe
44-2916F	2 nd floor – kitchen – 6 th layer – paper insulation	Negative	N/A	MPI
45-2916F	2 nd floor – hall – 6 th layer – paper insulation	Negative	N/A	MPI
46-2916F	2 nd floor – pantry – 6 th layer – paper insulation	Negative	N/A	MPI
47-2916F	1 st floor – kitchen – west side – 1' x 1' rough ceiling tile	Negative	N/A	MSCT11R
48-2916F	1 st floor – kitchen – center – 1' x 1' rough ceiling tile	Negative	N/A	MSCT11R
49-2916F	1 st floor – kitchen – north side – 1' x 1' rough ceiling tile	Negative	N/A	MSCT11R
50-2916Fa	Basement – bathroom – 12" gray floor tile	Negative	N/A	MF12y
50-2916Fb	Basement – bathroom – under floor tile – mastic	Negative	N/A	MF12y
51-2916F	Basement – northeast corner – orange and green linoleum	Negative	N/A	MFLog
52-2916F	Basement – on north side of chimney near top – light gray flue packing	Negative	N/A	TFPyLight
53-2916F	Basement – on north side of chimney near middle – gray flue packing	Negative	N/A	TFPy
54-2916F	Basement – on east/west sides of chimney – white flue packing	Negative	N/A	TFPw
55-2619Fa	Basement – northwest corner – 12" tan floor tile	Negative	N/A	MF12t
55-2619Fb	Basement – northwest corner – under floor tile – mastic	Negative	N/A	MF12t
56-2916F	1 st floor – northeast bedroom – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
57-2916F	1 st floor – northeast bedroom – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
58-2916F	1 st floor – bathroom – 2' x 4' pinholed ceiling tile	Negative	N/A	MSCT24P
59-2916F	1 st floor – northwest bedroom – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
60-2916F	1 st floor – living room – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
61-2916F	1 st floor – living room – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
62-2916F	1 st floor – dining room – 1' x 1' pinholed ceiling tile	Negative	N/A	MSCT11P
63-2916F	1 st floor – dining room – 1' x 1' pinholed ceiling tile	Negative	N/A	MSCT11P

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
64-2916F	1 st floor – dining room – 1' x 1' pinholed ceiling tile	Negative	N/A	MSCT11P
65-2916F	Quality Assurance/ Quality Control Sample of Sample 7-2916F	Negative	N/A	QAQC
66-2916F	Quality Assurance/ Quality Control Sample of Sample 11-2916F	Negative	N/A	QAQC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	2,400 Sq. Ft.
1 st	Front Porch/Kitchen/Hall/ Bathroom/Stair	Floor Tile & Mastic	600 Sq. Ft.
2 nd	Dining Room	Floor Mastic	200 Sq. Ft.
2 nd	Kitchen/Pantry/Hall/Bathroom	Floor Tile & Mastic	450 Sq. Ft.
3 rd	Kitchen/Bathroom	Floor Tile & Mastic	150 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SP12	Plaster #2
MDW	Drywall/Joint Compound
MFLg	Green Linoleum
MFLo	Orange Linoleum
MFLey	Beige & Gray Linoleum
MFLc	Cream Linoleum
MFLto	Tan & Orange Linoleum
MFLcy	Cream & Gray Linoleum
MFLno	Brown & Orange Linoleum
MFLn	Brown Linoleum
MFLe	Beige Linoleum
MFLog	Orange & Green Linoleum
MSCT24PG	2' x 4' Pinholed & Grooved Ceiling Tile
MSCT24G	2' x 4' Grooved Ceiling Tile
MSCT24P	2' x 4' Pinholed Ceiling Tile
MSCT11R	1' x 1' Rough Ceiling Tile
MSCT11S	1' x 1' Smooth Ceiling Tile
MSCT11P	1' x 1' Pinholed Ceiling Tile
MPT	Tar Paper
MPI	Paper Insulation
MF12y	12" Gray Floor Tile
MF12t	12" Tan Floor Tile
MPG	Window Glazing Compound
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

Note#5: Estimated cost for friable asbestos removal [REDACTED]

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>1</u>	Air Conditioners (roof top, room , and central) – Basement
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	Refrigerators , Freezers, Chillers – 3 rd Floor Kitchen
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>11</u>	Fluorescent Lights – 1 st Floor Northeast Bedroom, 2 nd Floor Bathroom, 3 rd Floor Bathroom, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>2</u>	Old Thermostats – 1 st Floor Living Room, 2 nd Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

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

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – Basement

ELECTRICAL SYSTEMS – 1 Breaker Box in 3rd Floor Stair. 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 where PCBs may be found:

- N/A Transformers
- N/A Capacitors (appliances, electronic equipment)
- N/A Heat Transfer Equipment
- 2 Light Ballasts – 1st Floor Northeast Bedroom, Basement
- 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

* 20 Gallons Paint in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475*Over 25 Years of Excellence in Service and Technology*

AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORTAsbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 4001-12-775
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 10/16/2012
DATE ANALYZED: 10/17/2012
DATE REPORTED: 10/18/2012

PROJECT NAME: DNS**JOB LOCATION:****PROJECT NO.:** 12-0210.2916F**PO NO.:****SampleType:** BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2916F Layer 1:	31650725 Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
2-2916F Layer 1:	31650726 Granular Material Beige, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
3-2916F Layer 1:	31650727 Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
4-2916F Layer 1:	31650728 Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
5-2916F Layer 1:	31650729 Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL

Total Number of Pages in Report: 10

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Account - Workorder 4001-12-775 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2916F	31650730			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
7-2916F	31650731			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
8-2916F	31650732			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
9-2916F	31650733			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
10-2916F	31650734			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
11-2916F	31650735			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
12-2916F	31650736			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
13-2916F	31650737			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
14-2916F	31650738			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 10

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Account - Workorder 4001-12-775 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
15-2916F	31650739			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
16-2916F	31650740			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
17-2916F	31650741			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
18-2916F	31650742			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
19-2916F	31650743			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
20-2916F	31650744			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
21-2916F	31650745			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL
22-2916F	31650746			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
23-2916F	31650747			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
24-2916F	31650748			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
25-2916F	31650749			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
26-2916F	31650750			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
27-2916F	31650751			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Total Number of Pages in Report: 10

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Account - Workorder 4001-12-775 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
28-2916F	31650752			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
29-2916F	31650753			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
30-2916F	31650754			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
31-2916F	31650755			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
32-2916F	31650756			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
33-2916F	31650757			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
34-2916F	31650758			
Layer 1:	Insulation Beige, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
35-2916F	31650759			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
36-2916F	31650760			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
37-2916F	31650761			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
38-2916F	31650762			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
39-2916F	31650763			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
40-2916F	31650764			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
41-2916F	31650765			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
42-2916F	31650766			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
43-2916F	31650767			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
44-2916F	31650768			
Layer 1:	Fibrous Material Brown, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
45-2916F	31650769			
Layer 1:	Fibrous Material Brown, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
46-2916F	31650770			
Layer 1:	Fibrous Material Brown, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
47-2916F	31650771			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
48-2916F	31650772			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
49-2916F	31650773			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
50-2916F	31650774			
Layer 1:	Floor Tile Gray, Organically Bound		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
51-2916F	31650775			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
52-2916F	31650776			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
53-2916F	31650777			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
54-2916F	31650778			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
55-2916F	31650779			
Layer 1:	Floor Tile Beige, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
56-2916F	31650780			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
57-2916F	31650781			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
58-2916F	31650782			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-775 (Continued)

Page 9 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
59-2916F	31650783			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
60-2916F	31650784			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
61-2916F	31650785			
Layer 1:	Ceiling Tile Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
62-2916F	31650786			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
63-2916F	31650787			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
64-2916F	31650788			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
65-2916F	31650789			
Layer 1:	Flooring Beige/Green, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
66-2916F	31650790			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
34-194F-A	31650955			
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL

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WO Lab

WorkOrderKey



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Submitting Co. Harenda Management Group	Lab Use-WO # 4001-12-775	Phone # 414-383-4800
P.O. Box 511305	Acct #	Fax # & E-mail 414-383-4805 djacobsen@harenda.com
New Berlin, WI 53151	4001	

Project Name: **DNS** Special Instructions [include requests for special reporting or data packages]

Project Location: **DO NOT ANALYZE MASTICS EXCEPT AS NOTED**

Project Number: **12-0210.2916F**

PO Number: _____ State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb-ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bidg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-2916F										
2-2916F										
3-2916F										
4-2916F										
5-2916F										
6-2916F										
7-2916F										
8-2916F										
9-2916F										
10-2916F										
11-2916F										
12-2916F										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration In Liters/Minute ⁴Volume In Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/15/12 17:00</u>	<input checked="" type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/> _____ <input type="checkbox"/> _____
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P.O. Box 511305
 New Berlin, WI 53151

Lab Use-WO #
 Acct#

Phone #
 Fax # & E-mail

414-383-4800
414-383-4805
djacobsen@harenda.com

Project Name: **DNS** *Special Instructions [include requests for special reporting or data packages]*

Project Location: **DO NOT ANALYZE MASTICS EXCEPT AS NOTED**

Project Number: **12-0210.2916F**

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Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-2916F										
14-2916F										
15-2916F										
16-2916F										
17-2916F										
18-2916F										
19-2916F										
20-2916F										
21-2916F										
22-2916F										
23-2916F										
24-2916F										

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Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/15/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB
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414-383-4805
djacobsen@harenda.com

P.O. Box 511305

New Berlin, WI 53151

4001

Project Name: **DNS**

Special Instructions [include requests for special reporting or data packages]

Project Location:

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Project Number: **12-0210.2916F**

PO Number:

State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>

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						Start	Stop	Start	Stop	
25-2916F										
26-2916F										
27-2916F										
28-2916F										
29-2916F										
30-2916F										
31-2916F										
32-2916F										
33-2916F										
34-2916F										
35-2916F										
36-2916F										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by
NAME _____
SIGNATURE _____
DATE/TIME _____

Relinquished to lab by
NAME Dean Jacobsen
SIGNATURE [Signature]
DATE/TIME 10/15/12 17:00

- FX
- UPS
- USM
- HD
- DB



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Submitting Co. Harenda Management Group	Lab Use- WO #	Phone # 414-383-4800 Fax # 414-383-4805 & E-mail djacobsen@harenda.com
P.O. Box 511305 New Berlin, WI 53151	Acct # 4001	

Project Name: **DNS** Special Instructions (include requests for special reporting or data packages)

Project Location: **DO NOT ANALYZE MASTICS EXCEPT AS NOTED**

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PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others: <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
37-2916F										
38-2916F										
39-2916F										
40-2916F										
41-2916F										
42-2916F										
43-2916F										
44-2916F										
45-2916F										
46-2916F										
47-2916F										
48-2916F										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/15/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/> _____ <input type="checkbox"/> _____
--	--	---

Sample return requested Ambient temp Ice °C pH Cl R S X

Chain of Custody documentation continued into folder within lab. Terms and conditions page 2.

SLi SCHNEIDER LABORATORIES, INC.
 2512 West Cary Street, Richmond, Virginia 23220-5117
 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabinc.com e-mail: info@slabinc.com

Submitting Co. **Harenda Management Group**
 P.O. Box 511305
 New Berlin, WI 53151

Lab Use-WO #
 Acct #

Phone # **414-383-4800**
 Fax # & E-mail **414-383-4805 djacobsen@harenda.com**

4001

Project Name: **DNS** Special Instructions [include requests for special reporting or data packages]
 Project Location: **DO NOT ANALYZE MASTICS EXCEPT AS NOTED**
 Project Number: **12-0210.2916F**
 PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.11.41.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others: <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
49-216F										
50-216F			Analyze Mastic							
51-216F			↓							
52-216F										
53-216F										
54-216F										
55-216F			Analyze Mastic							
56-216F										
57-216F										
58-216F										
59-216F										
60-216F										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE <i>[Signature]</i> DATE/TIME 10/15/12 17:00	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB 9/13/12
--	--	---

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen

W131s6781 Kaptag Dr

Muskego WI 53150-3401

		160 lbs	5'08"
AI-44370	Exp. 12/01/2012	12/12/1963	Male

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**1 Family Rear Dwelling
2916 North 5th 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.: 12-0210.2916R
Contract No.: 360-12-0553**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

October 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the rear dwelling at 2916 North 5th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 15, 2012, HMG conducted an asbestos inspection of a one family rear dwelling scheduled for mechanical demolition, located at 2916 North 5th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining),

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2916R	1 st floor – front entry floor – 2 nd layer – gray and white linoleum	Negative	N/A	MFLyw
2-2916R	1 st floor – front entry floor – 3 rd layer – gray linoleum	Negative	N/A	MFLy
3-2916R	1 st floor – front entry floor – 4 th layer – brown linoleum	Negative	N/A	MFLn
4-2916R	1 st floor – front entry – west wall – joint compound patch	Negative	N/A	MJC
5-2916R	Basement – stair – on upper steps – red and gray linoleum	Negative	N/A	MFLry
6-2916R	Basement – stair – on lower steps – red linoleum	Negative	N/A	MFLr
7-2916R	Basement – south window – glazing compound	Negative	N/A	MPG
8-2916R	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
9-2916R	1 st floor – dining room – south window – glazing compound	Positive 2% Chrysotile	20 Windows	MPG
10-2916R	Basement – on west side of chimney – gray flue packing	Negative	N/A	TFPy
11-2916R	Basement – on east side of chimney – white flue packing	Negative	N/A	TFPw
12-2916R	Attic – east side – gray and tan linoleum	Negative	N/A	MFLyt
13-2916R	Attic – west side – tar paper	Negative	N/A	MPT
14-2916R	Attic – under floor – blown in insulation	Negative	N/A	MBI
15-2916R	Attic – under floor – blown in insulation	Negative	N/A	MBI
16-2916R	Attic – under floor – blown in insulation	Negative	N/A	MBI
17-2916Ra	1 st floor – living room – west wall – plaster base coat	Negative	N/A	SPI
17-2916Rb	1 st floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
18-2916Ra	1 st floor – dining room closet – south wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2916Rb	1 st floor – dining room closet – south wall – plaster skim coat	Negative	N/A	SP1
19-2916Ra	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SP1
19-2916Rb	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SP1
20-2916Ra	1 st floor – dining room – east wall – drywall	Negative	N/A	MDW
20-2916Fb	1 st floor – dining room – east wall – joint compound	Negative	N/A	MDW
21-2916Ra	1 st floor – dining room – north wall – drywall	Negative	N/A	MDW
21-2916Rb	1 st floor – dining room – north wall – joint compound	Negative	N/A	MDW
22-2916Fa	1 st floor – northwest bedroom – west wall – drywall	Negative	N/A	MDW
22-2916Fb	1 st floor – northwest bedroom – west wall – joint compound	Negative	N/A	MDW
23-2916R	1 st floor – kitchen – west side under floor tile – cream and brown linoleum	Negative	N/A	MFLcn
24-2916R	1 st floor – kitchen – east side under floor tile – cream and brown linoleum	Negative	N/A	MFLcn
25-2916R	1 st floor – kitchen – north side under floor tile – cream and brown linoleum	Negative	N/A	MFLcn
26-2916R	1 st floor – kitchen – west side 3 rd layer – beige and brown linoleum	Negative	N/A	MFLen
27-2916R	1 st floor – kitchen – east side 3 rd layer – beige and brown linoleum	Negative	N/A	MFLen
28-2916R	1 st floor – kitchen – north side 3 rd layer – beige and brown linoleum	Negative	N/A	MFLen
29-2916R	1 st floor – kitchen – west side under plywood – tan and brown linoleum	Positive 20% Chrysotile	220 Sq. Ft.	MFLtn
30-2916R	1 st floor – kitchen – east side under plywood – tan and brown linoleum	Positive 20% Chrysotile	Reference 29-2916R	MFLtn
31-2916F	1 st floor – kitchen – north side under plywood – tan and brown linoleum	Positive 20% Chrysotile	Reference 29-2916R	MFLtn
32-2916R	1 st floor – kitchen – west side 6 th layer – tan linoleum	Negative	N/A	MFLt
33-2916R	1 st floor – kitchen – east side 6 th layer – tan linoleum	Negative	N/A	MFLt
34-2916R	1 st floor – kitchen – north side 6 th layer – tan linoleum	Negative	N/A	MFLt
35-2916R	1 st floor – kitchen – on wall – black linoleum	Negative	N/A	MFLk
36-2916Ra	Basement – stair – north wall – drywall	Negative	N/A	SP12
36-2916Rb	Basement – stair – north wall – plaster #2 base coat	Negative	N/A	SP12
36-2916Rc	Basement – stair – north wall – plaster #2 skim coat	Negative	N/A	SP12
37-2916Ra	Basement – stair – east wall – drywall	Negative	N/A	SP12
37-2916Rb	Basement – stair – east wall – plaster #2 base coat	Negative	N/A	SP12
37-2916Rc	Basement – stair – east wall – plaster #2 skim coat	Negative	N/A	SP12
38-2916Ra	Basement – stair – south wall – drywall	Negative	N/A	SP12
38-2916Rb	Basement – stair – south wall – plaster #2 base coat	Negative	N/A	SP12

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
38-2916Rc	Basement – stair – south wall – plaster #2 skim coat	Negative	N/A	SPI2
39-2619R	Quality Assurance/ Quality Control Sample of Sample 1-2916R	Negative	N/A	QAQC
40-2916R	Quality Assurance/ Quality Control Sample of Sample 4-2916R	Negative	N/A	QAQC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,500 Sq. Ft.
1 st	Front Entry/Kitchen/Bathroom	Floor Tile & Mastic	250 Sq. Ft.
1 st	Kitchen	Wall Mastic	90 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MDW	Drywall/Joint Compound
MFLyw	Gray & White Linoleum
MFLy	Gray Linoleum
MFLn	Brown Linoleum
MFLry	Red & Gray Linoleum
MFLr	Red Linoleum
MFLyt	Gray & Tan Linoleum
MFLcn	Cream & Brown Linoleum
MFLtn	Tan & Brown Linoleum
MFLt	Tan Linoleum
MFLk	Black Linoleum
MJC	Joint Compound Patch
MPT	Tar Paper
MBI	Blown in Insulation
MPG	Window Glazing Compound
TFPy	Gray Flue Packing
TFPw	White Flue Packing
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

Note#4: Estimated cost for friable asbestos removal [REDACTED]

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box & 1 Electric Meter in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>2</u>	Junk Auto Tires – Exterior
<u>N/A</u>	Junk Vehicles

* 1 Gallon Paint Thinner in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475*Over 25 Years of Excellence in Service and Technology*

AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORTAsbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 4001-12-776
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 10/16/2012
DATE ANALYZED: 10/17/2012
DATE REPORTED: 10/18/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-0210.2916R
PO NO.:

Sample Type: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2916R	31650988			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
2-2916R	31650989			
Layer 1:	Flooring Brown/Green, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
3-2916R	31650990			
Layer 1:	Flooring Brown/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
4-2916R	31650991			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
5-2916R	31650992			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Account - Workorder 4001-12-776 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2916R	31650993			
Layer 1:	Flooring Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
7-2916R	31650994			
Layer 1:	Granular Material Green, Granular		None Detected	100% NON FIBROUS MATERIAL
8-2916R	31650995			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
9-2916R	31650996			
Layer 1:	Granular Material Beige, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
10-2916R	31650997			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
11-2916R	31650998			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
12-2916R	31650999			
Layer 1:	Flooring Black/Brown, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
13-2916R	31651000			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
14-2916R	31651001			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% METAL FOIL 20% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

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Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Account - Workorder 4001-12-776 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
15-2916R	31651002			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
16-2916R	31651003			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
17-2916R	31651004			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
18-2916R	31651005			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
19-2916R	31651006			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
20-2916R	31651007			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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Account - Workorder 4001-12-776 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
21-2916R	31651008			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
22-2916R	31651009			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
23-2916R	31651010			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
24-2916R	31651011			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
25-2916R	31651012			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
26-2916R	31651013			
Layer 1:	Flooring Tan, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
27-2916R	31651014			
Layer 1:	Flooring Tan, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
28-2916R	31651015			
Layer 1:	Flooring Tan, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-776 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
29-2916R	31651016			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
30-2916R	31651017			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
31-2916R	31651018			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
32-2916R	31651019			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
33-2916R	31651020			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
34-2916R	31651021			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
35-2916R	31651022			
Layer 1:	Flooring Brown/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
36-2916R	31651023			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 3:	Textured Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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e-mail: info@slabinc.com

WC WorkOrderKey



V : \ 916 \ 916782

Submitting Co. Harenda Management Group	Lab Use-WO #	Phone # Fax # & E-mail	414-383-4800 414-383-4805 djacobsen@harenda.com
P.O. Box 511305	Acct #		
New Berlin, WI 53151	4001		
Project Name: DNS	Special Instructions [include requests for special reporting or data packages]		
Project Location:	DO NOT ANALYZE MASTICS		
Project Number: 12-0210.2916R			
PO Number:	State Of Collection	WI	

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)			
<input type="checkbox"/> 2 hours*	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts		Asbestos Bulk / Asb ID	Metals-Total Conc.
<input type="checkbox"/> Same day*		<input type="checkbox"/> PCM (NIOSH 7400)	<input checked="" type="checkbox"/> PLM (EPA 600, 1982)	<input type="checkbox"/> Lead	
<input type="checkbox"/> 1 business day*		<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> RCRA Metals	
<input type="checkbox"/> 2 business day*		<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> PLM (Qualitative only)	<input type="checkbox"/>	
<input checked="" type="checkbox"/> 3 business days*		<input type="checkbox"/>	<input type="checkbox"/> NYELAP 198.1/4/6	<input type="checkbox"/>	
<input type="checkbox"/> 5 business days*		Miscellaneous Tests		Metals-Extract	
<input type="checkbox"/> Full TCLP (10d)		<input type="checkbox"/> Total Dust (NIOSH 0500)	<input type="checkbox"/> CAELAP (EPA Interim)	<input type="checkbox"/> TCLP / Lead	
<input type="checkbox"/> Weekend*		<input type="checkbox"/> Resp. Dust (NIOSH 0600)	<input type="checkbox"/> TEM (Chatfield)	<input type="checkbox"/> TCLP / RCRA Metals	
* not available for all tests		<input type="checkbox"/> Silica - FTIR (NIOSH 7602)	FOR ASBESTOS AIR:		
Schedule rush organics, multi-metals & weekend tests in advance.		<input type="checkbox"/> Silica - XRD (NIOSH 7500)	TYPE OF RESPIRATOR		
		USED:		<input type="checkbox"/>	

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-2916R										
2-2916R										
3-2916R										
4-2916R										
5-2916R										
6-2916R										
7-2916R										
8-2916R										
9-2916R										
10-2916R										
11-2916R										
12-2916R										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>10/15/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB
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WO Label:

Submitting Co. Harenda Management Group	Lab Use-WO#	Acct# 4001	Phone # 414-383-4800
P.O. Box 511305			Fax # & E-mail 414-383-4805 djacobsen@harenda.com
New Berlin, WI 53151			

Project Name: **DNS** *Special Instructions [include requests for special reporting or data packages]*

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.2916R**

PO Number: **State Of Collection WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc: <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract: <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others: <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
13-2916R										
14-2916R										
15-2916R										
16-2916R										
17-2916R										
18-2916R										
19-2916R										
20-2916R										
21-2916R										
22-2916R										
23-2916R										
24-2916R										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/15/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/> _____ 9/13/12
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WO Label:

Submitting Co. Harenda Management Group	Lab Use-WO #	Phone # 414-383-4800
P.O. Box 511305	Acct#	
New Berlin, WI 53151	4001	Fax # & E-mail 414-383-4805 djacobsen@harenda.com

Project Name: **DNS** *Special Instructions [include requests for special reporting or data packages]*

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.2916R**

PO Number: _____ State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
25-296R										
26-296R										
27-296R										
28-296R										
29-296R										
30-296R										
31-296R										
32-296R										
33-296R										
34-296R										
35-296R										
36-296R										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/15/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <u>9/31</u>
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IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen

WI3156781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'08"
AH-14370	Exp: 12/01/2012	12/12/1963	Male

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**Mixed Use Building
3001 North 28th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.3001
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 3001 North 28th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 11, 2013, HMG conducted an asbestos inspection of a mixed use building, scheduled for mechanical demolition, located at 3001 North 28th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining),

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3001	1 st floor – west bedroom – north window – glazing compound	Negative	N/A	MPG
2-3001	2 nd floor – living room – east window – glazing compound	Negative	N/A	MPG
3-3001	Attic – west window – glazing compound	Negative	N/A	MPG
4-3001	Basement – on chimney – flue packing	Negative	N/A	TFP
5-3001	Basement – southwest room – 2’ x 4’ ceiling tile	Negative	N/A	MSCT24
6-3001	Basement – southwest room – cream linoleum	Negative	N/A	MFLc
7-3001	Basement – bathroom – white linoleum	Negative	N/A	MFLw
8-3001a	1 st floor – store – north wall – joint compound	Negative	N/A	MDW
8-3001b	1 st floor – store – north wall – drywall	Negative	N/A	MDW
9-3001a	1 st floor – bathroom – east wall – joint compound	Negative	N/A	MDW
9-3001b	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
10-3001a	1 st floor – east bedroom – east wall – joint compound	Negative	N/A	MDW
10-3001b	1 st floor – east bedroom – east wall – drywall	Negative	N/A	MDW
11-3001	2 nd floor – east apartment bathroom – tan linoleum	Negative	N/A	MFLt
12-3001	2 nd floor – east apartment living room – east side – white and pink linoleum	Negative	N/A	MFLwp
13-3001	2 nd floor – east apartment living room – west side – white and pink linoleum	Negative	N/A	MFLwp
14-3001	2 nd floor – east apartment living room – north side – white and pink linoleum	Negative	N/A	MFLwp
15-3001	2 nd floor – west apartment bathroom – on wall – beige and black ceramic tile	Negative	N/A	MCTMek
16-3001	2 nd floor – west apartment kitchen – south side – white and blue linoleum	Negative	N/A	MFLwb
17-3001	2 nd floor – west apartment kitchen – west side – white and blue linoleum	Negative	N/A	MFLwb

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-3001	2 nd floor – west apartment kitchen – east side – white and blue linoleum	Negative	N/A	MFLwb
19-3001a	2 nd floor – west apartment kitchen – south wall – plaster skim coat	Negative	N/A	SPI
19-3001b	2 nd floor – west apartment kitchen – south wall – plaster base coat	Negative	N/A	SPI
20-3001a	2 nd floor – west apartment west bedroom – north wall – plaster skim coat	Negative	N/A	SPI
20-3001b	2 nd floor – west apartment west bedroom – north wall – plaster base coat	Negative	N/A	SPI
21-3001a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
21-3001b	1 st floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
22-3001a	2 nd floor – east apartment east bedroom – west wall – patch layer	Negative	N/A	SPI
22-3001b	2 nd floor – east apartment east bedroom – west wall – plaster skim coat	Negative	N/A	SPI
22-3001c	2 nd floor – east apartment east bedroom – west wall – plaster base coat	Negative	N/A	SPI
23-3001a	2 nd floor – east apartment kitchen – west wall – plaster skim coat	Negative	N/A	SPI
23-3001b	2 nd floor – east apartment kitchen – west wall – plaster base coat	Negative	N/A	SPI
24-3001	1 st floor – kitchen – north wall – plaster	Negative	N/A	SPI
25-3001a	1 st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
25-3001b	2 nd floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
26-3001a	2 nd floor – west apartment kitchen – ceiling – texture #4	Negative	N/A	STX4
26-3001b	2 nd floor – west apartment kitchen – ceiling – texture #4 bottom layer	Positive 3% Chrysotile	600 Sq. Ft.	STX4
27-3001	2 nd floor – west apartment west bedroom – ceiling – texture #4	Negative	N/A	STX4
28-3001	2 nd floor – west apartment living room – ceiling – texture #4	Negative	N/A	STX4
29-3001a	2 nd floor – west apartment west bedroom – south wall – plaster patch	Negative	N/A	SPIP
29-3001b	2 nd floor – west apartment west bedroom – south wall – drywall	Negative	N/A	SPIP
30-3001	2 nd floor – east apartment living room – 1' x 1' ceiling tile	Negative	N/A	MSCT11
31-3001	2 nd floor – east apartment living room – 1' x 1' ceiling tile	Negative	N/A	MSCT11
32-3001	2 nd floor – east apartment living room – 1' x 1' ceiling tile	Negative	N/A	MSCT11
33-3001	2 nd floor – east apartment living room – west wall – texture	Negative	N/A	STX
34-3001	2 nd floor – stair – east wall – texture	Negative	N/A	STX
35-3001	1 st floor – kitchen – east wall – texture	Negative	N/A	STX
36-3001	Attic – on chimney – gray flue packing	Negative	N/A	TFPy

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
37-3001	Attic – west side – gray linoleum	Negative	N/A	MFLy
38-3001	1 st floor – bathroom – beige linoleum	Negative	N/A	MFLe
39-3001a	1 st floor – kitchen north side – gold linoleum	Negative	N/A	MFLd
39-3001b	1 st floor – kitchen north side – cream and white linoleum	Negative	N/A	MFLcw
40-3001a	1 st floor – kitchen center – gold linoleum	Negative	N/A	MFLd
40-3001b	1 st floor – kitchen center – cream and white linoleum	Negative	N/A	MFLcw
41-3001	1 st floor – kitchen south side – gold linoleum	Negative	N/A	MFLd
42-3001	1 st floor – bathroom – west wall – texture #2	Negative	N/A	STX2
43-3001	1 st floor – bathroom – north wall – texture #2	Negative	N/A	STX2
44-3001	1 st floor – bathroom – south wall – texture #2	Negative	N/A	STX2
45-3001	1 st floor – east bedroom – brown and tan linoleum	Negative	N/A	MFLnt
46-3001	1 st floor – living room – east wall – texture #3	Negative	N/A	STX3
47-3001	1 st floor – living room – north wall – texture #3	Negative	N/A	STX3
48-3001	1 st floor – living room – south wall – texture #3	Negative	N/A	STX3
49-3001	1 st floor – living room – west side – white and gray linoleum	Negative	N/A	MFLwy
50-3001	1 st floor – west rom – on floor – tar paper	Negative	N/A	MPT
51-3001	Quality Assurance/Quality Control sample of 5-3001	Negative	N/A	QA/QC
52-3001	Quality Assurance/Quality Control sample of 7-3001	Negative	N/A	QA/QC

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	1,700 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	3,500 Sq. Ft.
1 st	Kitchen/Store	Floor Tile & Mastic	2,100 Sq. Ft.
1 st	Bathroom/Dining Room/Pantry	Floor Mastic	350 Sq. Ft.
2 nd	Living Room	Floor Mastic	360 Sq. Ft.
2 nd	Kitchens/Pantry/Bathrooms/Entry	Wall Mastic	600 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
MFLw	White Linoleum
MFLc	Cream Linoleum
MFLwp	White & Pink Linoleum
MFLt	Tan Linoleum
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MFLe	Beige Linoleum
MFLd	Gold Linoleum
MFLcw	Cream & White Linoleum
MFLwy	White & Gray Linoleum

Homogeneous Material Codes

MFLnt	Brown & Tan Linoleum
MSCT24	2' x 4' Ceiling Tile
MSCT11	1' x 1' Ceiling Tile
MCTMek	Beige & Black Ceramic Tile
MPT	Tar Paper
MPG	Glazing Compound
TFP	Flue Packing
TFPy	Gray Flue Packing

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

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

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

Note#5: Estimated cost for friable asbestos [REDACTED]

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No

other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>16</u>	Fluorescent Lights – 1 st Floor Kitchen, Store
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – Basement
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Attic. 2 Furnaces & 4 Water Heaters in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – 2 nd Floor West Apartment

ELECTRICAL SYSTEMS – 1 Electric Meter & 1 Breaker Box in Basement

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

PCBs

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

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> 7 </u>	Light Ballasts – Store
<u> N/A </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u> N/A </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

<u> N/A </u>	Hazardous Waste
<u> N/A </u>	Oil Tanks
<u> N/A </u>	Well Abandonment
<u> 1 </u>	Junk Auto Tires – 1 st Floor Living Room
<u> N/A </u>	Junk Vehicles

- * 1 Gas Meter on Exterior
- * 88 Gallons Paint in 1st Floor Kitchen & Living Room
- * 2 Gallons Used Oil in 1st Floor Living Room
- * 1 Quart Lighter Fluid in 2nd Floor West Apartment

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. 224101	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/12/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3001	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
002	2-3001	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
003	3-3001	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
004	4-3001	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5-3001	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30 Paint Perlite
006	6-3001	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose	15 Vinyl
007	7-3001	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose	20 Vinyl

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

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
009	9-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
010	10-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11-3001	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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Analyzed By: Gayle Ootèn	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-3001	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
013	13-3001	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
014	14-3001	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
015	15-3001	Homogeneous	Black Ceramic Tile	Asbestos Not Present	NA	Clay
016	16-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
017	17-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
018	18-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224101	Client: Harenda Management Group
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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
020	20-3001	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
020a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
021	21-3001	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
021a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
022	22-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
023	23-3001	Layered	Cream Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
024	24-3001	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
025	25-3001	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 07/12/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026a		Layered	Cream Texture	Asbestos Present Chrysotile 3	NA	CaCO3 Paint
027	27-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029	29-3001	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
030	30-3001	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 224101	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/12/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31-3001	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
032	32-3001	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
033	33-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
034	34-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
035	35-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
036	36-3001	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
037	37-3001	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224101	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 07/12/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38-3001	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 15	Vinyl
039	39-3001	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
039a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
040	40-3001	Layered	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
040a		Layered	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
041	41-3001	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
042	42-3001	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
043	43-3001	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
044	44-3001	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
045	45-3001	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
046	46-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
047	47-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
048	48-3001	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
049	49-3001	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224101	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 07/12/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/12/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3001

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
050	50-3001	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar
051	51-3001	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
052	52-3001	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

Gayle Ooten, Analyst

7/15/2013

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>224101</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (fill one box)
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS		<input type="checkbox"/> QuantEM Website
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI		<input checked="" type="checkbox"/> Other <u>email</u>
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.3001		
SAMPLED BY: Name:	Date:	P.O. Number:		

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>7/11/13 1800</u>	<u>FedEx</u>	<i>J Mueller</i>	<u>7/12/13 9:30</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1-3001</u>	<input checked="" type="checkbox"/>				Do Not Analyze Mastics ↓
2	<u>2-3001</u>	<input type="checkbox"/>				
3	<u>3-3001</u>	<input type="checkbox"/>				
4	<u>4-3001</u>	<input type="checkbox"/>				
5	<u>5-3001</u>	<input type="checkbox"/>				
6	<u>6-3001</u>	<input type="checkbox"/>				
7	<u>7-3001</u>	<input type="checkbox"/>				
8	<u>8-3001</u>	<input type="checkbox"/>				
9	<u>9-3001</u>	<input type="checkbox"/>				
10	<u>10-3001</u>	<input checked="" type="checkbox"/>				



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

For Lab Use Only

Lab No. 224101

Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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	11-3001	<input checked="" type="checkbox"/>				Do Not Analyze Mastics
12	12-3001	<input type="checkbox"/>				
13	13-3001	<input type="checkbox"/>				
14	14-3001	<input type="checkbox"/>				
15	15-3001	<input type="checkbox"/>				
16	16-3001	<input type="checkbox"/>				
17	17-3001	<input type="checkbox"/>				
18	18-3001	<input type="checkbox"/>				
19	19-3001	<input type="checkbox"/>				
20	20-3001	<input type="checkbox"/>				
21	21-3001	<input type="checkbox"/>				
22	22-3001	<input type="checkbox"/>				
23	23-3001	<input type="checkbox"/>				
24	24-3001	<input type="checkbox"/>				
25	25-3001	<input type="checkbox"/>				
26	26-3001	<input type="checkbox"/>				
27	27-3001	<input type="checkbox"/>				
28	28-3001	<input type="checkbox"/>				
29	29-3001	<input type="checkbox"/>				
30	30-3001	<input checked="" type="checkbox"/>				



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Accept Reject

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Project Information

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-3001	<input checked="" type="checkbox"/>				Do Not Analyze Mastics
32	32-3001	<input type="checkbox"/>				
33	33-3001	<input type="checkbox"/>				
34	34-3001	<input type="checkbox"/>				
35	35-3001	<input type="checkbox"/>				
36	36-3001	<input type="checkbox"/>				
37	37-3001	<input type="checkbox"/>				
38	38-3001	<input type="checkbox"/>				
39	39-3001	<input type="checkbox"/>				
40	40-3001	<input type="checkbox"/>				
41	41-3001	<input type="checkbox"/>				
42	42-3001	<input type="checkbox"/>				
43	43-3001	<input type="checkbox"/>				
44	44-3001	<input type="checkbox"/>				
45	45-3001	<input type="checkbox"/>				
46	46-3001	<input type="checkbox"/>				
47	47-3001	<input type="checkbox"/>				
48	48-3001	<input type="checkbox"/>				
49	49-3001	<input type="checkbox"/>				
50	50-3001	<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>224101</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Project Information

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>51</u>	<u>51-3001</u>	<input checked="" type="checkbox"/>				<u>Do NOT Analyze Mastic</u> ↓
<u>52</u>	<u>52-3001</u>	<input checked="" type="checkbox"/>				
<u> 3</u>		<input type="checkbox"/>				
<u> 4</u>		<input type="checkbox"/>				
<u> 5</u>		<input type="checkbox"/>				
<u> 6</u>		<input type="checkbox"/>				
<u> 7</u>		<input type="checkbox"/>				
<u> 8</u>		<input type="checkbox"/>				
<u> 9</u>		<input type="checkbox"/>				
<u> 0</u>		<input type="checkbox"/>				
<u> 1</u>		<input type="checkbox"/>				
<u> 2</u>		<input type="checkbox"/>				
<u> 3</u>		<input type="checkbox"/>				
<u> 4</u>		<input type="checkbox"/>				
<u> 5</u>		<input type="checkbox"/>				
<u> 6</u>		<input type="checkbox"/>				
<u> 7</u>		<input type="checkbox"/>				
<u> 8</u>		<input type="checkbox"/>				
<u> 9</u>		<input type="checkbox"/>				
<u> 0</u>		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Five Family Dwelling
2448 West Fond du Lac 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.: 13-2000-068.2448
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2448 West Fond du Lac Avenue, Milwaukee, Wisconsin.

The inspection included plaster, texture, transite, tar paper, linoleum, drywall/joint compound, ceramic tile, blown in insulation, flue packing, aircell pipe insulation, and 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 July 22, 2013, HMG conducted an asbestos inspection of a five family dwelling scheduled for mechanical demolition, located at 2448 West Fond du Lac Avenue, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14730.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) plaster, texture, transite, tar paper, linoleum, drywall/joint compound, ceramic tile, blown in insulation, flue packing, aircell pipe insulation, and glazing compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2448	Exterior – east wall under vinyl siding – transite siding	Positive 30% Chrysotile	2,800 Sq. Ft.	MTP
2-2448	Exterior – north wall under vinyl siding – transite siding	Positive 30% Chrysotile	Reference 1-2448	MTP
3-2448	Exterior – west wall under vinyl siding – transite siding	Positive 30% Chrysotile	Reference 1-2448	MTP
4-2448	Exterior – east wall under transite siding – tar paper	Negative	N/A	MPT
5-2448	Exterior – north wall under transite siding – tar paper	Negative	N/A	MPT
6-2448a	Exterior – west wall under transite siding – tar paper	Negative	N/A	MPT
6-2448b	Exterior – west wall under transite siding – brown paper	Negative	N/A	MPT
7-2448	Exterior – east wall under tar paper – drywall	Negative	N/A	MDW
8-2448	Exterior – north wall under tar paper – drywall	Negative	N/A	MDW
9-2448	Exterior – west wall under tar paper – drywall	Negative	N/A	MDW
10-2448	2 nd floor – south bedroom – east window – glazing compound	Negative	N/A	MPG
11-2448	1 st floor – south kitchen – west window – glazing compound	Positive 6% Chrysotile	33 Windows	MPG
12-2448	1 st floor – north kitchen – east window – glazing compound	Negative	N/A	MPG
13-2448	2 nd floor – south kitchen – under floor tile – tar paper #2	Negative	N/A	MPT2
14-2448a	2 nd floor – bathroom floor – white and black ceramic tile	Negative	N/A	MCTMwk
14-2448b	2 nd floor – bathroom floor – grout	Negative	N/A	MCTMwk
15-2448	2 nd floor – bathroom floor – mortar	Negative	N/A	MCTMM
16-2448a	2 nd floor – bathroom wallbase – black ceramic tile	Negative	N/A	MCTMk
16-2448b	2 nd floor – bathroom wallbase – grout	Negative	N/A	MCTMk
17-2448	Attic – on floor – blown in insulation	Negative	N/A	MBI
18-2448	Attic – on floor – blown in insulation	Negative	N/A	MBI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19-2448	Attic – on floor – blown in insulation	Negative	N/A	MBI
20-2448	2 nd floor – east stair landing – white linoleum	Negative	N/A	MFLw
21-2448	2 nd floor – north kitchen – east wall – plaster	Negative	N/A	SPI
22-2448	2 nd floor – north bedroom – west wall – plaster	Negative	N/A	SPI
23-2448	2 nd floor – south kitchen – south wall – plaster	Negative	N/A	SPI
24-2448	1 st floor – north bathroom – east wall – plaster	Negative	N/A	SPI
25-2448	1 st floor – living room – north wall – plaster	Negative	N/A	SPI
26-2448	2 nd floor – south bedroom – north wall – texture	Negative	N/A	STX
27-2448	2 nd floor – south bedroom – south wall – texture	Negative	N/A	STX
28-2448	2 nd floor – south living room – north wall – texture	Negative	N/A	STX
29-2448a	2 nd floor – south bedroom – south wall – joint compound	Negative	N/A	MDW2
29-2448b	2 nd floor – south bedroom – south wall – drywall #2	Negative	N/A	MDW2
30-2448	1 st floor – north bathroom – tan linoleum	Negative	N/A	MFLt
31-2448	2 nd floor – living room ceiling – decorative plaster	Negative	N/A	SPD
32-2448	1 st floor – living room crown molding – decorative plaster	Negative	N/A	SPD
33-2448	1 st floor – living room crown molding – decorative plaster	Negative	N/A	SPD
34-2448	1 st floor – south bedroom – north wall – texture #2	Negative	N/A	STX
35-2448	1 st floor – south bathroom – ceiling – texture #2	Negative	N/A	STX
36-2448	1 st floor – north bedroom – east wall – texture #2	Negative	N/A	STX
37-2448	Basement – on north chimney – white flue packing	Negative	N/A	TFPw
38-2448	Basement – on south chimney – gray flue packing	Negative	N/A	TFPy
39-2448	1 st floor – north bedroom closet - <5” diameter aircell pipe insulation <i>Note: Closet floor contaminated 12 sq. ft.</i>	Positive 75% Chrysotile	18 Ln. Ft.	TA5
40-2448	Quality Assurance/Quality Control sample of 13-2448	Negative	N/A	QA/QC
41-2448	Quality Assurance/Quality Control sample of 15-2448	Negative	N/A	QA/QC

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	1,100 Sq. Ft.
1 st / 2 nd	Exterior	Asphalt Shingle Siding	2,000 Sq. Ft.
1 st	Kitchens	Floor Tile & Mastic	400 Sq. Ft.
1 st	Bathroom	Floor Mastic	20 Sq. Ft.
2 nd	Kitchens/Bathroom	Floor Tile & Mastic	450 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SPD	Decorative Plaster
STX	Texture
STX2	Texture #2
MTP	Transite
MPT	Tar Paper
MPT2	Tar Paper #2
MDW	Drywall Exterior
MDW2	Drywall/Joint Compound
MCTMwk	White & Black Ceramic Tile
MCTMk	Black Ceramic Tile
MCTMM	Mortar
MFLt	Tan Linoleum
MFLw	White Linoleum
MBI	Blown in Insulation
MPG	Glazing Compound
TA5	<5" Diameter Aircell Pipe Insulation
TFPy	Gray Flue Packing
TFPw	White Flue Packing
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>2</u>	Fluorescent Lights – 1 st Floor South Kitchen, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 4 Gas Meter on Exterior

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 07/23/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2448	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
002	2-2448	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
003	3-2448	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
004	4-2448	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
005	5-2448	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6-2448	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006a		Layered	Brown Paper	Asbestos Not Present	Cellulose 100	

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

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7-2448	Homogeneous	Tan Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Binder
008	8-2448	Homogeneous	Tan Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Binder
009	9-2448	Homogeneous	Tan Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum Binder
010	10-2448	Homogeneous	Light Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
011	11-2448	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 6	NA	CaCO3 Paint
012	12-2448	Homogeneous	Beige Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
013	13-2448	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224488	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/23/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-2448	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
014a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz Clay
015	15-2448	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
016	16-2448	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
016a		Layered	Light Gray Grout	Asbestos Not Present	NA	Quartz Clay
017	17-2448	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
018	18-2448	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	

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

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Account Number: B929	Jolene Harenda
Date Received: 07/23/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19-2448	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
020	20-2448	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Glass Fiber 5	Vinyl Binder
021	21-2448	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Quartz Sand
022	22-2448	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
023	23-2448	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
024	24-2448	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
025	25-2448	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224488	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/23/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26-2448	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27-2448	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28-2448	Homogeneous	Cream Texture	Asbestos Not Present	NA	CaCO3
029	29-2448	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 30	Gypsum
030	30-2448	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Glass Fiber 10	Vinyl Binder
031	31-2448	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224488	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/23/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/24/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2448

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32-2448	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
033	33-2448	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
034	34-2448	Homogeneous	Tan Texture	Asbestos Not Present	Wollastonite	4 CaCO3 Paint
035	35-2448	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
036	36-2448	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
037	37-2448	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand
038	38-2448	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224488

Account Number: B929

Date Received: 07/23/2013

Received By: Joanna Mueller

Date Analyzed: 07/24/2013

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

P.O. Box 511305

New Berlin, WI 53151-2105

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.2448

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	39-2448	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
040	40-2448	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
041	41-2448	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz Sand

Sandy Baker, Analyst

7/24/2013

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	<u>224488</u>
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject
Report to (check one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other <u>email</u>	

Contact Information		Project Information	
Company: <u>Harenda Management Group</u>	Phone: <u>(414) 383-4800</u>	Project Name: <u>DNS</u>	
Contact: <u>Dean Jacobsen</u>	Cell Phone:	Project Location: <u>Milwaukee, WI</u>	
Account #: <u>B929</u>	E-mail: <u>djacobsen@harenda.com</u>	Project ID: <u>13-2000-068.2448</u>	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>7/22/13 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>7/23/13 10:30</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1-2448</u>	<input checked="" type="checkbox"/>				
2	<u>2-2448</u>	<input type="checkbox"/>				
3	<u>3-2448</u>	<input type="checkbox"/>				
4	<u>4-2448</u>	<input type="checkbox"/>				
5	<u>5-2448</u>	<input type="checkbox"/>				
6	<u>6-2448</u>	<input type="checkbox"/>				
7	<u>7-2448</u>	<input type="checkbox"/>				
8	<u>8-2448</u>	<input type="checkbox"/>				
9	<u>9-2448</u>	<input type="checkbox"/>				
10	<u>10-2448</u>	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Lab No. <u>274480</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

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

No.	Sample ID (10 Characters Max)	<input type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2448	<input checked="" type="checkbox"/>				
12	12-2448	<input type="checkbox"/>				
13	13-2448	<input type="checkbox"/>				Do Not Analyze Mastics ↓
14	14-2448	<input type="checkbox"/>				
15	15-2448	<input type="checkbox"/>				
16	16-2448	<input type="checkbox"/>				
17	17-2448	<input type="checkbox"/>				
18	18-2448	<input type="checkbox"/>				
19	19-2448	<input type="checkbox"/>				
20	20-2448	<input type="checkbox"/>				
21	21-2448	<input type="checkbox"/>				
22	22-2448	<input type="checkbox"/>				
23	23-2448	<input type="checkbox"/>				
24	24-2448	<input type="checkbox"/>				
25	25-2448	<input type="checkbox"/>				
26	26-2448	<input type="checkbox"/>				
27	27-2448	<input type="checkbox"/>				
28	28-2448	<input type="checkbox"/>				
29	29-2448	<input type="checkbox"/>				
30	30-2448	<input checked="" type="checkbox"/>				Do Not Analyze Mastics



ASBESTOS CHAIN OF CUSTODY

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

For Laboratory Use Only	
Lab No.	<u>224488</u>
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Information		
Company: <u>Harenda Management Group</u>	Project Name: <u>DNS</u>	Project Location: <u>Milwaukee, WI</u>

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	<u>31-2448</u>	<input checked="" type="checkbox"/>				
32	<u>32-2448</u>	<input type="checkbox"/>				
33	<u>33-2448</u>	<input type="checkbox"/>				
34	<u>34-2448</u>	<input type="checkbox"/>				
35	<u>35-2448</u>	<input type="checkbox"/>				
36	<u>36-2448</u>	<input type="checkbox"/>				
37	<u>37-2448</u>	<input type="checkbox"/>				
38	<u>38-2448</u>	<input type="checkbox"/>				
39	<u>39-2448</u>	<input type="checkbox"/>				
40	<u>40-2448</u>	<input type="checkbox"/>				
41	<u>41-2448</u>	<input checked="" type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Commercial Building
1016 North Hawley Road
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.1016
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the building at 1016 North Hawley Road, Milwaukee, Wisconsin.

The inspection included plaster, glazing compound, drywall/joint compound, blown in insulation, ceramic tile, ceiling tile, tar paper, and roofing 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 23, 2013, HMG conducted an asbestos inspection of a commercial building scheduled for mechanical demolition, located at 1016 North Hawley Road, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) plaster, glazing compound, drywall/joint compound, blown in insulation, ceramic tile, ceiling tile, tar paper, and roofing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1016	1 st floor – north room – north window – glazing compound	Negative	N/A	MPG
2-1016	1 st floor – north room – east window – glazing compound	Negative	N/A	MPG
3-1016	1 st floor – south room – south window – glazing compound	Negative	N/A	MPG
4-1016	1 st floor – south room – ceiling – drywall	Negative	N/A	MDW
5-1016	1 st floor – south room – ceiling – drywall	Negative	N/A	MDW
6-1016	1 st floor – south room – ceiling – drywall	Negative	N/A	MDW
7-1016	1 st floor – north room – in pile on east side – blown in insulation	Negative	N/A	MBI
8-1016	1 st floor – north room – in pile on east side – blown in insulation	Negative	N/A	MBI
9-1016	1 st floor – north room – in pile on east side – blown in insulation	Negative	N/A	MBI
10-1016a	Exterior – on east wall – white ceramic tile	Negative	N/A	MCTMw
10-1016b	Exterior – on east wall – grout	Negative	N/A	MCTMw
11-1016a	Exterior – on east wall – white ceramic tile	Negative	N/A	MCTMw
11-1016b	Exterior – on east wall – grout	Negative	N/A	MCTMw
12-1016a	Exterior – on east wall – white ceramic tile	Negative	N/A	MCTMw
12-1016b	Exterior – on east wall – grout	Negative	N/A	MCTMw
13-1016	1 st floor – south room – white ceiling tile	Negative	N/A	MSCTw
14-1016	1 st floor – south room – white ceiling tile	Negative	N/A	MSCTw
15-1016	1 st floor – south room – white ceiling tile	Negative	N/A	MSCTw
22-1016	Exterior – in rubble pile – tar paper	Negative	N/A	MPT
23-1016	Exterior – in rubble pile – tar paper	Negative	N/A	MPT
24-1016	Exterior – in rubble pile – tar paper	Negative	N/A	MPT
25-1016a	1 st floor – south room – in rubble pile – roofing layer 1	Negative	N/A	MRM
25-1016b	1 st floor – south room – in rubble pile – roofing layer 2	Negative	N/A	MRM
26-1016a	1 st floor – north room – in rubble pile – roofing layer 1	Negative	N/A	MRM
26-1016b	1 st floor – north room – in rubble pile – roofing layer 2	Negative	N/A	MRM
27-1016a	1 st floor – north room – in rubble pile – roofing layer 1	Negative	N/A	MRM
27-1016b	1 st floor – north room – in rubble pile – roofing layer 2	Negative	N/A	MRM

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
28-1016	Exterior – on ground – plaster	Negative	N/A	SPI
29-1016	Exterior – on ground – plaster	Negative	N/A	SPI
30-1016	Exterior – on ground – plaster	Negative	N/A	SPI
31-1016a	Exterior – on ground – plaster skim coat	Negative	N/A	SPI
31-1016a	Exterior – on ground – plaster base coat	Negative	N/A	SPI
32-1016	Exterior – on ground – plaster	Negative	N/A	SPI

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

Homogeneous Material Codes

SPI	Plaster
MPG	Glazing Compound
MDW	Drywall
MBI	Blown in Insulation
MCTMw	White Ceramic Tile
MSCTw	White Ceiling Tile
MPT	Tar Paper
MRM	Roofing

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 and walls partially collapsed – floors not all accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>20</u>	Freon Containers – Exterior, Interior

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>45</u>	Junk Auto Tires – Exterior
<u>N/A</u>	Junk Vehicles

* 60 Cans Spray Paint & 1 Gas Meter on Exterior

* 135 Cans Spray Paint in Interior

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. 226049	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/27/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/29/2013	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1016

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1016	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
002	2-1016	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
003	3-1016	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
004	4-1016	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
005	5-1016	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
006	6-1016	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
007	7-1016	Homogeneous	White Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 98	

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226049	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/27/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/29/2013	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1016

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-1016	Homogeneous	White Insulation	Asbestos Not Present	Cellulose <1 Glass Fiber 98	
009	9-1016	Homogeneous	White Insulation	Asbestos Not Present	Cellulose 4 Glass Fiber 95	
010	10-1016	Layered	White Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
010a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Sand
011	11-1016	Layered	White Ceramic Tile	Asbestos Not Present	NA	Quartz Clay
011a		Layered	White Grout	Asbestos Not Present	NA	Sand Binder
012	12-1016	Layered	White Ceramic Tile	Asbestos Not Present	NA	Quartz Clay

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. 226049	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/27/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/29/2013	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1016

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	White Grout	Asbestos Not Present	Cellulose 2	CaCO3 Sand
013	13-1016	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
014	14-1016	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
015	15-1016	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
016	22-1016	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
017	23-1016	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
018	24-1016	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226049	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/27/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/29/2013	Project: DNS
Analyzed By: Jeff Mlekush	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1016

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	25-1016	Layered	Black Tar	Asbestos Not Present	NA	Tar
019a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
020	26-1016	Layered	Black Tar	Asbestos Not Present	Wollastonite 4	Tar
020a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
021	27-1016	Layered	Black Tar	Asbestos Not Present	NA	Tar
021a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 50	Tar
022	28-1016	Homogeneous	Tan Plaster	Asbestos Not Present	Cellulose <1 Hair <1	CaCO3 Sand

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. 226049

Account Number: B929

Date Received: 08/27/2013

Received By: Joanna Mueller

Date Analyzed: 08/29/2013

Analyzed By: Jeff Mlekush

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

P.O. Box 511305

New Berlin, WI 53151-2105

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.1016

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	29-1016	Homogeneous	Tan Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
024	30-1016	Homogeneous	Tan Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
025	31-1016	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
025a		Layered	Tan Plaster	Asbestos Not Present	NA	CaCO3 Sand
026	32-1016	Homogeneous	Tan Plaster	Asbestos Not Present	NA	CaCO3 Sand

Jeff Mlekush, Laboratory Manager

8/29/2013

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>726049</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject
Report Results (one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other <u>email</u>	

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1016	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<i>8/26/13 1800</i>	<i>FedEx</i>	<i>J. Mueller</i>	<i>8/27/13 9:40</i>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-1016	<input checked="" type="checkbox"/>				
2	2-1016	<input type="checkbox"/>				
3	3-1016	<input type="checkbox"/>				
4	4-1016	<input type="checkbox"/>				
5	5-1016	<input type="checkbox"/>				
6	6-1016	<input type="checkbox"/>				
7	7-1016	<input type="checkbox"/>				
8	8-1016	<input type="checkbox"/>				
9	9-1016	<input type="checkbox"/>				
10	10-1016	<input checked="" type="checkbox"/>				<i>Do Not Analyze Mastic</i>



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. <u>226049</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-1046	<input checked="" type="checkbox"/>				Do Not Analyze Mastic
12	12-1046	<input type="checkbox"/>				
13	13-1046	<input type="checkbox"/>				
14	14-1046	<input type="checkbox"/>				
15	15-1046	<input type="checkbox"/>				
16	22-1046	<input type="checkbox"/>				
17	23-1046	<input type="checkbox"/>				
18	24-1046	<input type="checkbox"/>				
19	25-1046	<input type="checkbox"/>				
20	26-1046	<input type="checkbox"/>				
21	27-1046	<input type="checkbox"/>				
22	28-1046	<input type="checkbox"/>				
23	29-1046	<input type="checkbox"/>				
24	30-1046	<input type="checkbox"/>				
25	31-1046	<input type="checkbox"/>				
26	32-1046	<input checked="" type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION



**LEAD BASED PAINT
INSPECTION REPORT**

Job Site:

**Commercial Building
1016 North Hawley Road
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.1016L
Contract No.: 360-13-0745**

Dean Jacobsen
Lead Risk Assessor # LRA 14370

Prepared by:

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

August 2013

TABLE OF CONTENTS

I.	Introduction	2
II.	Component Testing	2
	A. Summary	
	B. Tests Results of Components	
	C. Summary of OSHA Lead Based Paint Regulations	
	D. Summary of Wisconsin Department of Natural Resources Information	
III.	Limitations	4
IV.	Laboratory Results	5

I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a preliminary survey for possible Lead Based Paint on the concrete and masonry surfaces at the following location: **1016 North Hawley Road, Milwaukee, Wisconsin, commercial building**. Enclosed you will find a summary of the paint testing at the above referenced location. All other areas/materials were excluded from this scope of work.

A lead based paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead based paint is present in the building, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust.

The testing took place on August 23, 2013. Samples of paint were collected from masonry surfaces (concrete and block) on the walls representing all observed paint colors. Samples were analyzed at Quantem Laboratories of Oklahoma City, Oklahoma, for total lead content using USEPA Method 7000B (Reference Section II for results).

The Wisconsin Administrative Code (DHS 163) defines lead-based paint as having a surface concentration of lead that is more than 0.7 milligrams of lead per square centimeter of surface (0.7 mg/cm^2) or more than 0.06% of lead per weight of a paint chip sample.

The results of the analysis was classified as follows:

- Positive:** Any result above the HFS 163 Standard of 0.06% lead.
- Negative:** Any result at or below the HFS 163 Standard of 0.06% lead.

II. COMPONENT TESTING

A. Summary

In an effort to develop a painting history of the building, masonry was tested for the presence of lead based paint.

Exterior: 1016 North Hawley Road

- **Painted block was observed on the exterior. Lead based paint was detected on painted concrete block in the rubble pile.**

Interior: 1016 North Hawley Road

Painted block walls were observed on the interior. Lead based paint was not detected.

Reference Test Results of Components below.

B. Test Results of Components:

Site: 1016 North Hawley Road, Milwaukee, Wisconsin

Date: 8/23/13

Paint Testing Results						
Sample	Location	Component & Feature	Substrate	Color	PbC (%)	Result
1L-1016	North Room	North Wall	Block	White	0.0155	Negative
2L-1016	North Room	North Wall	Block	Tan	0.0061	Negative
3L-1016	South Room	North Wall	Block	Beige	0.0148	Negative
4L-1106	South Room	North Wall	Block	White	0.0182	Negative
5L-1016	Exterior	Rubble Pile	Block	White	2.92	Positive
6L-1016	Exterior	Rubble Pile	Block	Off White	1.46	Positive

The inspection did find Lead-Based Paint in the paint concrete block in the rubble pile. If there are any further concerns over what to do with certain components, we can do additional testing, and/or review records for historical precedents for removal, disposal and cleanup.

If the owner or contractor is not sure that an area has been remodeled in the past, any other paint that is disturbed should be handled as lead based paint. **Proper lead safe work practices (see Part C. below) should be followed to protect both workers and visitors in those circumstances.**

Lead-Based Paint components were not all in good condition at the time of this inspection. Peeling paint was observed on the walls. Where lead based paint is known or suspected, the owner and contractors must work in a lead safe manner, taking care to limit the amount of lead dust generated through wet work methods. Clean up in a lead safe manner, i.e. not dry sweeping or vacuuming. Use a HEPA vacuum and wet cleaning to work lead safe.

The testing of components in the structure fulfilled the need for OSHA notification of workers.

C. Summary of OSHA Lead Based Paint Regulations

The OSHA regulation for Lead Exposure in Construction is 29 CFR 1926.62. The law states that in the presence of any measurable amount of Lead a contractor is obligated to take some actions to ensure the safety of its work-force and that of the owner. One of the basic principles of this regulation is that companies involved in construction must view any activity as potentially exposing a worker to Lead and some basic precautions and monitoring need to be taken to ensure the worker's safety and that of the owner.

Workers demolishing building materials containing lead based paint must be monitored for lead exposure. Monitoring for lead exposure is covered under U.S. Department of Labor Occupational Safety and Health Administration 29 CFR 1926.62 for the construction industry, which includes:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof,

that contain lead, or materials containing lead.

The employer is required to initially determine if any employee may be exposed to lead at or above the action level. **The action level means employee exposure, without regard to the use of respirators, to an airborne lead concentration of 30 µg/m³ of air calculated as an 8 hour time weighted average.** The employer must collect personal samples representative of a full shift for each job classification in each work area. The samples must be representative of the monitored employee's regular daily exposure to lead. **OSHA has also set a permissible exposure limit (PEL) which is defined as a lead concentration of 50 µg/m³ of air averaged over an eight hour period.** If the initial exposure assessment has not been completed, the employer must treat the employee as if the employee were exposed above the PEL, and not in excess of ten times the PEL, for tasks including demolition of structures with lead containing coatings or paint. This includes respiratory protection, personal protective clothing and equipment, change areas, hand washing facilities, biological monitoring, and training.

If all concentrations are below the action level, additional air monitoring is not needed except when there has been a change in equipment, process, control, personnel, or type of task that may result in additional employees being exposed to lead at or above the action level. If exposure is between the action level and PEL, air monitoring must be done at least every six months until two consecutive readings taken at least seven days apart are below the action level. If exposure is above the PEL, air monitoring must be done quarterly until two consecutive readings taken at least seven days apart are below the PEL. Employees must be notified in writing of the results within 5 working days after completion of the air exposure assessment.

D. Summary of Wisconsin Department of Natural Resources Information

According to Wisconsin Department of Natural Resources Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste, unless an exemption is obtained from the Department. Check with the Department for further guidance. Lead based paint chips or paint residue by themselves may be a hazardous waste. Additional testing by the toxicity characteristic leaching procedure (TCLP) method and comparison to hazardous waste regulations would be needed to determine this.

III. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. 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 is 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.

IV. LABORATORY RESULTS



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

Environmental Chemistry Analysis Report

QuantEM Set ID: 226043	Client: Harendra Management Group
Date Received: 08/27/13	Jolene Harendra
Received By: Sherrie Leftwich	P.O. Box 511305
Date Sampled:	New Berlin, WI 53151-2105
Time Sampled:	Acct. No.: B929
Analyst: BM	Project: DNS
Date of Report: 8/29/2013	Location: Milwaukee, WI
	Project No.: 13-2000-068.1016

AIHA ID: 101352

QuantEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1L-1016	Paint	Lead	0.0155	0.00519	%	08/29/13 13:10	P EPA 7000B (1)
002	2L-1016	Paint	Lead	0.00608	0.00467	%	08/29/13 13:10	P EPA 7000B (1)
003	3L-1016	Paint	Lead	0.0148	0.00574	%	08/29/13 13:10	P EPA 7000B (1)
004	4L-1016	Paint	Lead	0.0182	0.00488	%	08/29/13 13:10	P EPA 7000B (1)
005	5L-1016	Paint	Lead	2.92	0.0047	%	08/29/13 13:10	P EPA 7000B (1)
006	6L-1016	Paint	Lead	1.46	0.00387	%	08/29/13 13:10	P EPA 7000B (1)

Authorized Signature: _____

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuantEM is not responsible for user-supplied data used in calculations.

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

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



www.QuanTEM.com

LEAD CHAIN OF CUSTODY

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Lab No. 226043
 Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.1016	

Quantem Website
 Other email _____

Sampled By: _____ Name: _____ Date: _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<i>8/26/13 1800</i>	<i>FedEx</i>	<i>S.R. Johnson</i>	<i>8/27/13 9:40</i>

REQUESTED SERVICES (Please Check Appropriate Boxes)

No.	Sample ID	Sample Description	Volume	Volume/Area (Length x Width)	Analysis	Units						
						Pb	PPM	Wt %	mg / l	µg / ft ²	µg / m ³	mg / cm ²
1	<i>1L-1016</i>				<i>A B</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
2	<i>2L-1016</i>				<i>A</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
3	<i>3L-1016</i>				<i>A</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
4	<i>4L-1016</i>				<i>A</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
5	<i>5L-1016</i>				<i>A</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
6	<i>6L-1016</i>				<i>A</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
7					<i>PK</i>							
8												
9												
10												
11												
12												

- A Soil
- B Paint Chips
- C Surface / Dust Wipes
- D Bulk Miscellaneous
- E Air Cassette

Same Day
 24 - Hour
 3 - Day
 5 - Day



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Rear Dwelling
3216B North Julia Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.3216B
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2013

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I. Introduction.....2

II. Building Survey2

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the rear dwelling at 3216B North Julia Street, Milwaukee, Wisconsin.

The inspection included plaster, linoleum, drywall/joint compound, blown in insulation, transite, tar paper, and 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 August 20, 2013, HMG conducted an asbestos inspection of a 1 family rear dwelling scheduled for mechanical demolition, located at 3216B North Julia Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3216B	Attic – on floor – blown in insulation	Negative	N/A	MBI
2-3216B	1 st floor – dining room – in wall – blown in insulation	Negative	N/A	MBI
3-3216B	1 st floor – living room – in wall – blown in insulation	Negative	N/A	MBI
4-3216B	1 st floor – dining room – under plywood – beige and brown linoleum	Negative	N/A	MFLen
5-3216B	1 st floor – bathroom – under plywood – beige and brown linoleum	Negative	N/A	MFLen
6-3216B	1 st floor – dining room – east wall – plaster	Negative	N/A	SPI
7-3216B	1 st floor – bedroom – south wall – plaster	Negative	N/A	SPI
8-3216B	1 st floor – living room – west wall – plaster	Negative	N/A	SPI
9-3216B	Basement – south side – ceiling – transite	Positive 30% Chrysotile	60 Sq. Ft.	MTP
10-3216Ba	Basement – stair – east wall – joint compound	Negative	N/A	MDW
10-3216Bb	Basement – stair – east wall – joint compound #2	Negative	N/A	MDW
10-3216Bc	Basement – stair – east wall – drywall	Negative	N/A	MDW
11-3216Ba	1 st floor – bedroom – north wall – joint compound	Negative	N/A	MDW
11-3216Bb	1 st floor – bedroom – north wall – joint compound #2	Negative	N/A	MDW
11-3216Bc	1 st floor – bedroom – north wall – drywall	Negative	N/A	MDW
12-3216Ba	1 st floor – bathroom – south wall – joint compound	Negative	N/A	MDW
12-3216Bb	1 st floor – bedroom – north wall – joint compound #2	Negative	N/A	MDW
12-3216Bc	1 st floor – bedroom – north wall – drywall	Negative	N/A	MDW
13-3216B	1 st floor – living room – east side under plywood – beige and green linoleum	Negative	N/A	MFLeg
14-3216B	1 st floor – living room – north side under plywood – beige and green linoleum	Negative	N/A	MFLeg
15-3216B	1 st floor – living room – west side under plywood – beige and green linoleum	Negative	N/A	MFLeg
16-3216B	1 st floor – living room – south window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17-3216B	Exterior – east wall under shingle siding – tar paper	Negative	N/A	MPT
18-3216B	Exterior – west wall under shingle siding – tar paper	Negative	N/A	MPT
19-3216B	Exterior – south wall under shingle siding – tar paper	Negative	N/A	MPT
20-3216B	Quality Assurance/Quality Control sample of 4-3216B	Negative	N/A	QA/QC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
1 st	Dwelling	Asphalt Shingle Siding	950 Sq. Ft.
1 st	All Rooms	Floor Tile & Mastic	600 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
MFLen	Beige & Brown Linoleum
MFLc	Cream Linoleum
MFLeg	Beige & Green Linoleum
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MBI	Blown in Insulation
MTP	Transite
MPT	Tar Paper
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

Note#4: Estimated cost for friable asbestos removal... [REDACTED]

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>1</u>	Junk Truck – Behind Dwelling

* 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. 225763	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3216B

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3216B	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
002	2-3216B	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
003	3-3216B	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
004	4-3216B	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
005	5-3216B	Homogeneous	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
006	6-3216B	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
007	7-3216B	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 225763	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3216B

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-3216B	Homogeneous	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
009	9-3216B	Homogeneous	Gray Transite	Asbestos Present Chrysotile 30	NA	CaCO3
010	10-3216B	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	Cream Joint Compound	Asbestos Not Present	NA	CaCO3
010b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11-3216B	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	Cream Joint Compound	Asbestos Not Present	Cellulose <1	CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 225763	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3216B

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12-3216B	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
012b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
013	13-3216B	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
014	14-3216B	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
015	15-3216B	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

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

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

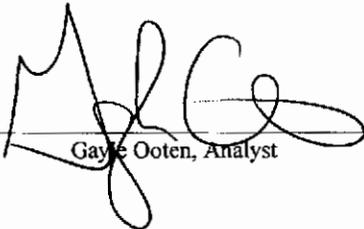


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 225763	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.3216B

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-3216B	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
017	17-3216B	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
018	18-3216B	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
019	19-3216B	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
020	20-3216B	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar



Gayle Ooten, Analyst

8/22/2013
Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	<u>225763</u>
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject
Report Results (<input checked="" type="checkbox"/> one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other <u>email</u>	

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.3216B	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>8/20/13 1800</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>8/20/13 940</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	<u>1-3216B</u>	<input checked="" type="checkbox"/>				
2	<u>2-3216B</u>	<input type="checkbox"/>				
3	<u>3-3216B</u>	<input type="checkbox"/>				
4	<u>4-3216B</u>	<input type="checkbox"/>				<u>Do Not Analyze these</u> ↓
5	<u>5-3216B</u>	<input type="checkbox"/>				
6	<u>6-3216B</u>	<input type="checkbox"/>				
7	<u>7-3216B</u>	<input type="checkbox"/>				
8	<u>8-3216B</u>	<input type="checkbox"/>				
9	<u>9-3216B</u>	<input type="checkbox"/>				
10	<u>10-3216B</u>	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>2257163</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-3216B	<input checked="" type="checkbox"/>				
12	12-3216B	<input type="checkbox"/>				
13	13-3216B	<input type="checkbox"/>				Do Not Analyze Matrix ↓
14	14-3216B	<input type="checkbox"/>				
15	15-3216B	<input type="checkbox"/>				
16	16-3216B	<input type="checkbox"/>				
17	17-3216B	<input type="checkbox"/>				
18	18-3216B	<input type="checkbox"/>				
19	19-3216B	<input type="checkbox"/>				
20	20-3216B	<input checked="" type="checkbox"/>				Do Not Analyze Matrix
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
2 Family Dwelling
2942 North Richards 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.: 12-0210.2942
Contract No.: 360-12-0553**



Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

March 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2942 North Richards Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 21, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2942 North Richards Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

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Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining),

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2942	Exterior – in south wall – blown in insulation	Negative	N/A	MBI
2-2942	Exterior – in east wall – blown in insulation	Negative	N/A	MBI
3-2942	2 nd floor – in south wall – blown in insulation	Negative	N/A	MBI
4-2942	Exterior – south wall under shingle siding – tar paper	Negative	N/A	MPT
5-2942	Exterior – east wall under shingle siding – tar paper	Negative	N/A	MPT
6-2942	Exterior – north wall under shingle siding – tar paper	Negative	N/A	MPT
7-2942	Basement – east window – glazing compound	Positive 3% Chrysotile	50 Windows	MPG
8-2942	2 nd floor – front stair – north window – glazing compound	Positive 3% Chrysotile	Reference 7-2942	MPG
9-2942	Attic – south window – glazing compound	Positive 2% Chrysotile	Reference 7-2942	MPG
10-2942	Basement – on west side of chimney – gray flue packing	Negative	N/A	TFPy
11-2942	Basement – on south/east sides of chimney – light gray flue packing	Negative	N/A	TFPyLight
12-2942	Basement – center - <5” diameter magnesia pipe insulation	Positive 8% Chrysotile	100 Ln. Ft. & 15 Fittings	TM5
13-2942	Basement – west side - <5” diameter magnesia pipe insulation	Positive 7% Chrysotile	Reference 12-2942	TM5
14-2942	Basement – southwest - <5” diameter magnesia pipe insulation	Positive 8% Chrysotile	Reference 12-2942	TM5
15-2942	1 st floor – front apartment – southwest room – cream and gray linoleum	Negative	N/A	MFLcy
16-2942	2 nd floor – rear apartment – east bedroom – west wall – plaster	Negative	N/A	SPI
17-2942	2 nd floor – rear apartment – living room – east wall – plaster	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2942	2 nd floor – front apartment – living room – west wall – plaster	Negative	N/A	SPI
19-2942	2 nd floor – front stair – south wall – plaster	Negative	N/A	SPI
20-2942	1 st floor – rear apartment – living room – south wall – plaster	Negative	N/A	SPI
21-2942	1 st floor – front apartment – living room – east wall – plaster	Negative	N/A	SPI
22-2942	1 st floor – front apartment – kitchen – north wall – plaster	Negative	N/A	SPI
23-2942a	2 nd floor – rear apartment – bathroom wall – white ceramic tile	Negative	N/A	MCTMw
23-2942b	2 nd floor – rear apartment – bathroom wall – grout	Negative	N/A	MCTMw
24-2942a	2 nd floor – rear apartment – bathroom floor – gray ceramic tile	Negative	N/A	MCTMy
24-2942b	2 nd floor – rear apartment – bathroom floor – mortar	Negative	N/A	MCTMy
25-2942	2 nd floor – rear apartment – bathroom floor – grout	Negative	N/A	MCTMG
26-2942	2 nd floor – rear apartment – bathroom floor – under ceramic tile – concrete board	Negative	N/A	MCB
27-2942a	2 nd floor – rear stair – west wall – plaster patch base coat	Negative	N/A	SPIP
27-2942b	2 nd floor – rear stair – west wall – plaster patch skim coat	Negative	N/A	SPIP
28-2942a	Attic – kitchen floor – east side – beige ceramic tile/mortar	Negative	N/A	MCTMe
28-2942b	Attic – kitchen floor – east side – grout	Negative	N/A	MCTMe
29-2942a	Attic – kitchen floor – west side – beige ceramic tile/mortar	Negative	N/A	MCTMe
29-2942b	Attic – kitchen floor – west side – grout	Negative	N/A	MCTMe
30-2942a	Attic – bathroom floor – beige ceramic tile/mortar	Negative	N/A	MCTMe
30-2942b	Attic – bathroom floor – grout	Negative	N/A	MCTMe
31-2942a	Attic – bathroom – tub wall – tan ceramic tile	Negative	N/A	MCTMt
31-2942b	Attic – bathroom – tub wall – grout	Negative	N/A	MCTMt
32-2942a	Attic – kitchen – south wall – drywall	Negative	N/A	MDW
32-2942b	Attic – kitchen – south wall – joint compound	Negative	N/A	MDW
33-2942a	2 nd floor – front apartment – bathroom – east wall – drywall	Negative	N/A	MDW
33-2942b	2 nd floor – front apartment – bathroom – east wall – joint compound	Negative	N/A	MDW
34-2942a	1 st floor – front apartment – bathroom – west wall – drywall	Negative	N/A	MDW
34-2942b	1 st floor – front apartment – bathroom – west wall – joint compound	Negative	N/A	MDW
35-2942	2 nd floor – front apartment – bathroom – brown and tan linoleum	Negative	N/A	MFLnt
36-2942	2 nd floor – front apartment – kitchen – brown and tan linoleum	Negative	N/A	MFLnt
37-2942	2 nd floor – front apartment – kitchen – brown and tan linoleum	Negative	N/A	MFLnt

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
38-2942	Attic – front stair – on lower steps – brown linoleum	Positive 20% Chrysotile	8 Sq. Ft.	MFLn
39-2942	Attic – front stair – on upper steps – beige and brown linoleum	Negative	N/A	MFLen
40-2942	2 nd floor – front apartment – living room – ceiling – texture	Negative	N/A	STX
41-2942	1 st floor – front apartment – living room – ceiling – texture	Negative	N/A	STX
42-2942	2 nd floor – front apartment – bedroom – ceiling – texture	Negative	N/A	STX
43-2942	1 st floor – rear apartment – kitchen – beige linoleum	Negative	N/A	MFLe
44-2942a	1 st floor – front stair landing – brown and white ceramic tile/mortar	Negative	N/A	MCTMnw
44-2942b	1 st floor – front stair landing – grout	Negative	N/A	MCTMnw
45-2942	1 st floor – front apartment – kitchen – west side – tan and gray linoleum	Negative	N/A	MFLty
46-2942	1 st floor – front apartment – kitchen – center – tan and gray linoleum	Negative	N/A	MFLty
47-2942	1 st floor – front apartment – kitchen – east side – tan and gray linoleum	Negative	N/A	MFLty
48-2942a	1 st floor – front apartment – bathroom – on wall above sink – cream ceramic tile	Negative	N/A	MCTMc
48-2942b	1 st floor – front apartment – bathroom – on wall above sink – grout	Negative	N/A	MCTMc
49-2942a	1 st floor – front apartment – bathroom – on tub wall – brown ceramic tile	Negative	N/A	MCTMn
49-2942b	1 st floor – front apartment – bathroom – on tub wall – grout	Negative	N/A	MCTMn
50-2942	Quality Assurance/ Quality Control Sample of Sample 10-2942	Negative	N/A	QAQC
51-2942	Quality Assurance/ Quality Control Sample of Sample 15-2942	Negative	N/A	QAQC

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	1,100 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	2,400 Sq. Ft.
1 st	Bathroom	Floor Tile & Mastic	50 Sq. Ft.
1 st	Kitchens/Bathroom	Floor & Wall Mastic	350 Sq. Ft.
2 nd	Kitchen	Floor Tile & Mastic	180 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor & Wall Mastic	220 Sq. Ft.

Homogeneous Material Codes

SPI Plaster
 SPIP Plaster Patch
 STX Texture

Homogeneous Material Codes

MBI	Blown in Insulation
MPT	Tar Paper
MFLcy	Cream & Gray Linoleum
MFLnt	Brown & Tan Linoleum
MFLen	Beige & Brown Linoleum
MFLn	Brown Linoleum
MFLe	Beige Linoleum
MFLty	Tan & Gray Linoleum
MPG	Window Glazing Compound
MDW	Drywall/Joint Compound
MCTMw	Brown Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMG	Grout
MCTMe	Beige Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMnw	Brown & White Ceramic Tile
MCTMc	Cream Ceramic Tile
MCTMn	Brown Ceramic Tile
MCB	Concrete Board
TM5	<5" Diameter Magnesia Pipe Insulation
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

Note#5: Estimated cost for friable asbestos removal [REDACTED]

V. EXCLUSIONS

Bathroom floor buried in fire debris and not accessible. Roof visible only from ground. No visible or accessible areas or material were excluded from this scope of work.

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

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

above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

<u>5</u>	Fluorescent Lights – 2 nd Floor, Attic
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 4 Breaker Boxes in Basement.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

- * 4 Gas Meters on Exterior
- * 1 Water Meter in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475*Over 25 Years of Excellence in Service and Technology*

AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORTAsbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 4001-12-631
 CLIENT: Harena Management Group
 ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
 DATE RECEIVED: 3/22/2012
 DATE ANALYZED: 3/27/2012
 DATE REPORTED: 3/27/2012

PROJECT NAME: DNS
 JOB LOCATION:
 PROJECT NO.: 12-0210.2942
 PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2942	31397520			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
2-2942	31397521			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
3-2942	31397522			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
4-2942	31397523			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
5-2942	31397524			
Layer 1:	Felt Black, Fibrous		None Detected	85% CELLULOSE FIBER 35% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Account - Workorder 4001-12-631 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2942	31397525			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
7-2942	31397526			
Layer 1:	Caulk Beige, Granular		3% CHRYSOTILE	97% NON FIBROUS MATERIAL
8-2942	31397527			
Layer 1:	Caulk Beige, Granular		3% CHRYSOTILE	67% NON FIBROUS MATERIAL
9-2942	31397528			
Layer 1:	Caulk Beige, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
10-2942	31397529			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
11-2942	31397530			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
12-2942	31397531			
Layer 1:	Powdery Material White, Powdery		8% CHRYSOTILE	13% CELLULOSE FIBER 77% NON FIBROUS MATERIAL
13-2942	31397532			
Layer 1:	Powdery Material White, Powdery		7% CHRYSOTILE	13% CELLULOSE FIBER 80% NON FIBROUS MATERIAL
14-2942	31397533			
Layer 1:	Powdery Material White, Powdery		8% CHRYSOTILE	20% CELLULOSE FIBER 72% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-631 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
15-2942	31397534			
Layer 1:	Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
16-2942	31397535			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
17-2942	31397536			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
18-2942	31397537			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
19-2942	31397538			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
20-2942	31397539			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
21-2942	31397540			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
22-2942	31397541			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
23-2942	31397542			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages In Report: 8

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Account - Workorder 4001-12-631 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
24-2942	31397543			
Layer 1:	Ceramic Tile Brick, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
25-2942	31397544			
Layer 1:	Granular Material Gray/White, Granular		None Detected	100% NON FIBROUS MATERIAL
26-2942	31397545			
Layer 1:	Granular Material Gray/White, Granular		None Detected	100% NON FIBROUS MATERIAL
27-2942	31397546			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
28-2942	31397547			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
29-2942	31397548			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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Account - Workorder 4001-12-631 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
30-2942	31397549			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
31-2942	31397550			
Layer 1:	Ceramic Tile Tan, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
32-2942	31397551			
Layer 1:	Drywall White, Powdery		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
33-2942	31397552			
Layer 1:	Drywall White, Powdery		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
34-2942	31397553			
Layer 1:	Drywall White, Powdery		None Detected	6% CELLULOSE FIBER 94% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
35-2942	31397554			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

Results relate only to samples as received by the laboratory.

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Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-frangible, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Account - Workorder 4001-12-631 (Continued)

Page 6 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
36-2942	31397555			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
37-2942	31397556			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
38-2942	31397557			
Layer 1:	Flooring Brown, Fibrous		20% CHRYSOTILE	15% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
39-2942	31397558			
Layer 1:	Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
40-2942	31397559			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
41-2942	31397560			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
42-2942	31397561			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
43-2942	31397562			
Layer 1:	Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
44-2942	31397563			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-631 (Continued)

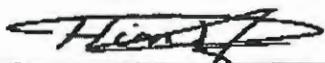
Page 7 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
	Layer 2: Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
45-2942	31397564			
	Layer 1: Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
46-2942	31397565			
	Layer 1: Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
47-2942	31397566			
	Layer 1: Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
48-2942	31397567			
	Layer 1: Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
	Layer 2: Grout Pink, Granular		None Detected	100% NON FIBROUS MATERIAL
49-2942	31397568			
	Layer 1: Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
	Layer 2: Grout Pink, Granular		None Detected	100% NON FIBROUS MATERIAL
50-2942	31397569			
	Layer 1: Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
51-2942	31397570			
	Layer 1: Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL

Analyst:


HALA A. OSMAN

Reviewed By:


Hind Eldanaf, Microscopy Supervisor

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.



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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

www.slabinc.com

e-mail: info@slabinc.com

WorkOrderKey



Submitting Co. **Haranda Management Group**
P.O. Box 511305
New Berlin, WI 53151

Lab Use- WO# **4001-12-631**
Acct# **4001**

Phone # **414-383-4800**
Fax # & E-mail **414-383-4805**
djacobsen@haranda.com

Project Name: **DNS** Special Instructions (Include requests for special reporting or data packages)

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 2942**

PQ Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Asbestos Air / Fiber Counts	Asbestos Bulk / Asb ID	Metals - Total Conc.
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500)	<input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.17.A/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield)	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals - Extract: <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Ridg. Material)	Wiped Area (ft ²)	Type ¹ A, B, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-2942										
2-2942										
3-2942										
4-2942										
5-2942										
6-2942										
7-2942										
8-2942										
9-2942										
10-2942										
11-2942										
12-2942										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE _____ DATE/TIME 3/27/12 17:00
--	--

RECEIVED
MAR 22 2012
BY: **LL** 10:30a
WB: **6756**



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WO Label:

Submitting Co. Harenda Management Group	Lab Use-WO #	Phone # 414-383-4800
P.O. Box 511305	Acct #	
New Berlin, WI 53151		Fax # & E-mail 414-383-4805 djacobsen@harenda.com

Project Name: **DNS** *Special Instructions [include requests for special reporting or data packages]*

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.2942**

PO Number: _____ State Of Collection: **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0800) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield)	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, D, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-2942										
14-2942										
15-2942										
16-2942										
17-2942										
18-2942										
19-2942										
20-2942										
21-2942										
22-2942										
23-2942										
24-2942										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters (time in min * flow in L/min)

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE <i>[Signature]</i> DATE/TIME 3/21/12 17:00	RECEIVED BY: <i>UH</i> 10:20 WB: 6756
--	---	--

Sample return requested Ambient temp Ice °C pH Cl OR DS X Chain of Custody documentation continued internally within Lab. Terms and conditions page 2.

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WO Label:
 Phone # **414-383-4800**
 Fax # **414-383-4805**
 E-mail **djacobsen@harenda.com**

Submitting Co. **Harenda Management Group**
 P.O. Box 511305
 New Berlin, WI 53151

Lab Use- WO #
 Acct# **4001**

Project Name: **ONS** Special Instructions [Include requests for special reporting or data packages]
 Project Location: **DO NOT ANALYZE MASTICS**
 Project Number: **12-0210. 2942**
 PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0800) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Asb ID: <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Charfield) <input type="checkbox"/>	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
25-2942										
26-2942										
27-2942										
28-2942										
29-2942										
30-2942										
31-2942										
32-2942										
33-2942										
34-2942										
35-2942										
36-2942										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters (time in min * flow in L/min)

Sampled by
 NAME _____
 SIGNATURE _____
 DATE/TIME _____

Relinquished to lab by
 NAME Dean Jacobsen
 SIGNATURE [Signature]
 DATE/TIME 3/21/12 17:00

RECEIVED
 10:30
 WB: 6756



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Lab Use- WO #

Acct#

Phone #
Fax # &
E-mail

414-383-4800

414-383-4805

djacobsen@harenda.com

P.O. Box 511305

4001

New Berlin, WI 53151

Project Name: **DNS**

Special Instructions [Include requests for special reporting or data packages]

Project Location:

DO NOT ANALYZE MASTICS

Project Number: **12-0210.2942**

PO Number:

State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Asbestos Air / Fiber Counts	Asbestos Bulk / Aab ID	Metals-Total Conc.
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	<input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0900) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7600) <input type="checkbox"/>	<input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.17.4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	<input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others <input type="checkbox"/>

Sample # *	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
37-2942										
38-2942										
39-2942										
40-2942										
41-2942										
42-2942										
43-2942										
44-2942										
45-2942										
46-2942										
47-2942										
48-2942										

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters [time in min * flow in L/min]

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>3/21/12 17:00</u>	[Stamp] [Signature] 10:30	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <u>6954</u>
--	---	---------------------------------	--

Sample return requested Ambient temp Ice °C pH Cl R S X Chain of Custody documentation continued internally within lab. Terms and conditions page 2.

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W151s6781 Kipling Dr

Muskego WI 53150-5401

		160 lbs	5'08"
AH-14370	Exp: 12/01/2012	12/12/1963	Male

Training due by: 12/01/2012

