

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

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Dean Jacobseh) 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:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include 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
12-291 6 F	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
14-291 6 F	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	SPI
15-291 6 Fb	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	SPl
17-2916Fb	2 nd floor - hall - ceiling - plaster skim coat	Negative	N/A	SPI
18-2916Fa	1st 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	SPl
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	Ň/A	MFLc
23-2916F	2 nd floor – dining room – west side under carpet – tan and orange linoleum	Negative	N/A	MIFLto
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	3rd floor - bedroom - south wall - plaster	Negative	N/A	SP12
32-2916Fa	3rd floor - bedroom - east wall - drywall	Negative	N/A	SPI2
32-2916Fb	3rd floor - bedroom - east wall - plaster	Negative	N/A	SP12
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	SP12
34-2916F	3 rd floor – bedroom – on floor duct – duct paper Note: 20 sq. ft. of floor contaminated	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

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Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Çode
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	3rd 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

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

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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:

_1	Air Conditioners (roof top, room, and central) - Basement
N/A	Dehumidifiers
N/A	Heat Pumps
_1	Refrigerators, Freezers, Chillers – 3 rd Floor Kitchen
N/A	Vending Machines, Food Display Cases
N/A	Walk-in Coolers
<u>N/A</u>	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

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Products that may contain mercury:

LIGHTING

	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

_2	Old Thermostats – 1 st Floor Living Room, 2 nd Floor Dining Room
N/A	Aquastats
N/A_	Firestats
N/A_	Manometers
N/A	Thermometers

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

N/A	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
1	Space Heaters – Basement

ELECTRICAL SYSTEMS – 1 Breaker Box in 3rd Floor Stair. 2 Breaker Boxes in Basement

<u>N/A</u>	Load Meters and Supply Relays
N/A	Phase Splitters
N/A	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 were PCBs may be found:

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

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

* 20 Gallons Paint in Basement

VIII. LABORATORY RESULTS

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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

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #:	4001-12-775		DATE COLLECTED:	
CLIENT:	Harenda Management Group	*	DATE RECEIVED:	10/16/2012
ADDRESS:	1237 West Bruce Street		DATE ANALYZED:	10/17/2012
	Milwaukee, WI 53204		DATE REPORTED:	10/18/2012
PROJECT NAME:	DNS			
JOB LOCATION:				
PROJECT NO .:	12-0210.2916F			
PO NO.:			SampleType:	BULK
		• .		

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

Total Number of Pages in Report: 10

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.

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Account - Workorder 4001-12-775 (Continued)

Page 2 (Continued)

Client Sample	SLI Sample/	Sample Identification/	PLM A	nalysis Results
No.	Layer ID	Layer Name	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			مری بالاین میں ا ^ی میں میں اور اور ایر ایر ایر ایر ایر ایر ایر ایر ایر ای
Layer 1:	Flooring Beige, Org.Bou	nd/Fibrous	20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
8-2916F	31650732			
Layer 1:	Flooring Beige, Org.Bou	nd/Fibrous	20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
9-2916F	31650733			· · · · · · · · · · · · · · · · · · ·
Layer 1:	Flooring Beige, Org.Bou	nd/Fibrous	None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
10-2916F	31650734			
Layer 1:	Flooring Beige, Org.Bou	nd/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 Delected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
14-2916F	31650738		à.	
Layer 1:	Plaster Beige, Granular		None Detected	· 100% NON FIBROUS MATERIAL
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			1 6 - 17 - 17	

Total Number of Pages in Report: 10

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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SCHNEIDER LABS

Account - Workorder 4001-12-775 (Continued)
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Client

No.

Sample

Layer 2:

15-2916F

Layer 1:

Layer 2:

(Continued)			rage 5 (continued)	
SLI Sample/	Sample Identification/	PLM A	nalysis Results	
Layer ID	Layer Name	Asbestos Fibers	Other Materials	
Textured Mat Beige, Brittle		None Detected	100% NON FIBROUS MATERIAL	•
31650739	a - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰			-
Plaster Beige, Granul	lar	None Detected	100% NON FIBROUS MATERIAL	
Textured Mat	erial	None Detected	100% NON FIBROUS MATERIA	

Beige, Brittle		
31650740		
Plaster Beige, Granular	None Detected	100% NON FIBROUS MATERIAL
Textured Material Beige, Brittle	None Detected	100% NON FIBROUS MATERIAL
31650741		
Plaster Beige, Granular	None Detected	100% NON FIBROUS MATERIAL
Textured Material Beige, Brittle	None Oetected	100% NON FIBROUS MATERIAL
31650742		<u> </u>
Plaster Beige, Granular	None Detected	100% NON FIBROUS MATERIAL
Textured Material Beige, Brittle	None Detected	100% NON FIBROUS MATERIAL
31650743		
Plaster Beige, Granular	None Detected	100% NON FIBROUS MATERIAL
Textured Material Beige, Brittle	None Detected	100% NON FIBROUS MATERIAL
	31650740 Plaster Beige, Granular Textured Material Beige, Brittle 31650741 Plaster Beige, Granular Textured Material Beige, Brittle 31650742 Plaster Beige, Granular Textured Material Beige, Brittle 31650743 Plaster Beige, Granular Textured Material	31650740 None Detected Plaster None Detected Beige, Granular None Detected Textured Material None Detected Beige, Brittle None Detected 31650741 Plaster Plaster None Detected Beige, Granular None Detected Textured Material None Oetected Beige, Brittle None Detected 31650742 Plaster Plaster None Detected Beige, Granular None Detected 31650742 None Detected Beige, Granular None Detected 31650743 None Detected Beige, Granular None Detected Beige, Granular None Detected

Total Number of Pages in Report: 10

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Account - Workorder 4001-12-775 (Continued)

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Client Sample	SLI Sample Sample/ Identification/	PLM An	aiysis Results
No.	Layer ID Layer Name	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	<u></u>	<u> </u>
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous	None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
23-2916F	31650747	о, _{улар} , конски разрада	
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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	Norkorder 4001-12-775 (Continued)	Page 5 (Continued)
Client Sample	SLI Sample Sample/ Identification/	PLM Analysis Results
No.	Layer ID Layer Name	Asbestos Fibers Other Materials
28-2916F	31650752	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAI
29-2916F	31650753	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
,	Beige/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAI
30-2916F	31650754	
Layer 1:	Flooring	None Detected 35% CELLULOSE FiBER 15% MINERAL/GLASS WOOL
	Beige/Black, Org.Bound/Fibrous	50% NON FIBROUS MATERIA
31-2916F	31650755	
Layer 1:	Drywall	None Detected 4% CELLULOSE FIBER
	White, Powdery	96% NON FIBROUS MATERIA
Layer 2:	Plaster	None Detected 100% NON FIBROUS MATERIA
	Beige, Granular	
32-2916F	31650756	
· Layer 1:	Drywali	None Detected 4% CELLULOSE FIBER
2	White, Powdery	96% NON FIBROUS MATERIA
Layer 2:	Plaster	None Detected 100% NON FIBROUS MATERIA
-	Beige, Granular	
33-2916F	31650757	
Layer 1:	Drywall	None Detected 4% CELLULOSE FIBER
	White, Powdery	96% NON FIBROUS MATERIA
Layer 2:	Plaster	None Detected 100% NON FIBROUS MATERIA
-	Beige, Granular	
34-2916F	31650758	
Layer 1:	Insulation	60% CHRYSOTILE 20% CELLULOSE FIBER
	Beige, Fibrous	10% MINERAL/GLASS WOOL
	_	10% NON FIBROUS MATERIA

Total Number of Pages in Report: 10

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Results relate only to samples as received by the laboratory.

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-triable, 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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Client Sample		Sample Identification/			
No.	Layer ID	Layer Name	PLM A Asbestos Fibers	nalysis R Oti	esults her Materials
35-2916F	31650759				
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
36-2916F	31650760				
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
37-2916F	3 165076 1		a ka		
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
38-2916F	31650762				
Layer 1:	Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular	I	None Detected	100%	NON FIBROUS MATERIAL
39-2916F	31650763		· · · · · · · · · · · · · · · · · · ·	<u></u>	
Layer 1:	Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular	1	None Detected	100%	NON FIBROUS MATERIAL
40-2916F	31650764		· · · · · · · · · · · · · · · · · · ·		
Layer 1:	Drywall White, Powdery		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100%	NON FIBROUS MATERIAL
41-2916F	31650765	·······	. <u> </u>		
Layer 1:	Flooring Beige, Org.Boun	d/Fibrous	None Detected	15%	CELLULOSE FIBER MINERAL/GLASS WOOL NON FIBROUS MATERIAL

Total Number of Pages in Report: 10

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Account - Workorder 4001-12-775 (Continued)

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Page 7 (Continued)

Client Sample		Sample Identification/	PLM An	nalysis Results
No.	Layer ID	Layer Name	Asbestos Fibers	Other Materials
42-2916F	31650766			
Layer 1:	Flooring Beige, Org.Bour	d/Fibrous	None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
43-2916F	31650767	······································	<u> </u>	
Layer 1:	Flooring Beige, Org.Bour	d/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		<u></u>	
Layer 1:	Ceiling Tìle Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
50-2916F	31650774	<u> </u>		
Layer 1:	Floor Tile Gray, Organicall	ly Bound	None Detected	100% NON FIBROUS MATERIAL

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Page 8 (Continued)

Account - Workorder 4001-12-775 (Continued)

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Client Sample	SLI Sample/	Sample Identification/		nalysis R	oculta
No.	Layer ID	Layer Name	Asbestos Fibers		esuna ner Materials
Layer 2:	Mastic Yellow, Soft		None Detected	100%	NON FIBROUS MATERIAL
51-2916F	31650775	<u></u>	· · · · · · · · · · · · · · · · · · ·		
Layer 1:	Flooring Beige/Black, O	rg.Bound/Fibrous	None Detected	15%	CELLULOSE FIBER MINERAL/GLASS WOOL 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		<u>/ 1011</u>	·	<u> </u>
Layer 1:	Hard Material Gray, Hard		None Detected	100%	NON FIBROUS MATERIAL
55-2916F	31650779	<u></u>	n		
Layer 1:	Floor Tile Beige, Organic	ally 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		CELLULOSE FIBER NON FIBROUS MATERIAL
57-2916F	31650781	<u>, , , , , , , , , , , , , , , , , , , </u>			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
58-2916F	31650782			. <u>.</u>	
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL

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Client Sample	SLI Sample/	Sample Identification/	PLM A	Analysis Results
No.	Layer ID	Layer Name	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, O	rg.Bound/Fibrous	20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
66-2916F	31650790	······		
Layer 1:	Flooring Beige, Org.Bou	nd/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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Sample #	Sample	d Sampled	(e.g. Emplo	oyee, SSN, E	3ldg, Ma	terial)	Area (ft²)	A,B,P,E	Start	Stop	Start	Stop	Air Vol
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15-2964F		_											
16-2016F													
16-2245 17-29165													-
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18-2946F 19-2946F													
20-29.6F													
2(-7946F													
22-224F													
22-224F 23-226F													
24-294F													
¹ Type: A=area	B=blank P	=personal E=excu	rsion ² Beginn	Ing/End of Sa	mple Pe	riod ³ P	ump Calibrat	ion in Lit	ters/Minute	Volume in	Liters (tim	e in min * flo	w in L/min)
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IX. HMG CERTIFICATION

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AII-14370	Exp. 12/01/2012	12/12/1963	Male

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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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II.	Building Survey
III.	The Laboratory
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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:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include 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	-2916R 1 st floor – front entry floor – 3 rd layer – gray linoleum		N/A	MFLy
3-2916R	B-2916R 1 st floor – front entry floor – 4 th layer – brown linoleum		N/A	MFLn
4-2916R	2916R 1 st floor – front entry – west wall – joint compound patch		N/A	MJC
5-2916R			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			N/A	MPG
9-2916R	1 st floor – dining room – south window – glazing compound	Positive 2% Chrysotile	20 Windows	MPG
10-2916R			N/A	TFPy
11-2916R	-2916R Basement – on east side of chimney – white flue packing		N/A	TFPw
12-2916R	Attic – east side – gray and tan linoleum	Negative	N/A	MFLyt
13-2916R			N/A	MPT
14-2916R	Attic – under floor – blown in insulation	Negative	N/A	MBI
15-2916R	15-2916R Attic – under floor – blown in insulation		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	SP1

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	SPI
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	SPI
20-2916Ra	1 st floor - dining room - east wall - drywall	Negative	N/A	MDW
20-2916Fb			N/A	MDW
21-2916Ra	1st 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	l 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	SP12	

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Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
38-2916Rc	Basement - stair - south wall - plaster #2 skim coat	Negative	N/A	SP12
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

II (geneous mater	Tai 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.

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

Note#4: Estimated cost for friable asbestos removal

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes 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

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

LEAD

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

MERCURY

Products that may contain mercury:

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A	Old Thermostats
N/A	Aquastats
N/A_	Firestats
<u>N/A</u>	Manometers
N/A	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
N/A	Mercury Displacement Relays

PCBs

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

<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 in applications)	Idustrial
<u>N/A</u> Sumps or Oil Traps (in maintenance and industrial facili	ties)

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gallon Paint Thinner in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABS

PAGE 01/11

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 REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #:	4001-12-776	DATE COLLECTED:	
CLIENT:	Harenda Management Group	DATE RECEIVED:	10/16/2012
ADDRESS:	1237 West Bruce Street	DATE ANALYZED:	10/17/2012
	Milwaukee, WI 53204	DATE REPORTED:	10/18/2012
PROJECT NAME:	DNS		
JOB LOCATION:			
PROJECT NO .:	12-0210.2916R		
PO NO.:		SampleType:	BULK

Client	SLI	Sample			
Sample	Sample/	Identification/	PLM Ana	alysis R	esults
No.	Layer ID	Layer Name	Asbestos Fibers	Oth	ner Materials
1-2916R	31650988	······································			
Layer 1:	Flooring		None Detected	35%	CELLULOSE FIBER
-	Beige, Org.Bo	und/Fibrous		15%	MINERAL/GLASS WOOL
				50%	NON FIBROUS MATERIAL
2-2916R	31650989		*a,		
Layer 1:	Flooring		None Detected	35%	CELLULOSE FIBER
	+	Org.Bound/Fibrous		15%	MINERAL/GLASS WOOL
	2.0411, 0.0013			50%	NON FIBROUS MATERIAL
3-2916R	31650990	· · · · · · · · · · · · · · · · · · ·			
Layer 1:	Flooring		None Detected	35%	CELLULOSE FIBER
2	-	Org.Bound/Fibrous		15%	MINERAL/GLASS WOOL
				50%	NON FIBROUS MATERIAL
4-2916R	31650991				
Layer 1:	Granular Mate	erial	None Detected	100%	NON FIBROUS MATERIAL
-	Beige, Granula	ar			
5-2916R	31650992			· · · · · ·	
Laver 1:	Flooring		None Detected	35%	CELLULOSE FIBER
	Beige, Org.Bo	und/Eibrous		15%	MINERAL/GLASS WOOL
	20.90, 019.00			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.

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Account - V	Vorkorder 4001-12-776 (Continued)		Page 2 (Continued)
Client	SLI Sample		
Sample	Sample/ Identification/	PLM A	nalysis Results
No.	Layer ID Layer Name	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	200	
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

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Account - Workorder 4001-12-776 (Continued)

SCHNEIDER LABS

Page 3 (Continued)

Client Sample	SLI Sample/	Sample Identification/	DIM	Analysis Results
No.	Layer ID	Layer Name	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 Materia Beige, Granular	al	None Detected	100% NON FIBROUS MATERIAL
18-2916R	31651005			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Materia White, Granular	al	None Detected	100% NON FIBROUS MATERIAL
19-2916R	31651006			· · · · · · · · · · · · · · · · · · ·
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Materia Beige, Granular	al .	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)

SCHNEIDER LABS

PAGE 04/11 Page 4 (Continued)

Client Sample	SLI Sample Sample/ Identification/	PLM Analysis Results
No.	Layer ID Layer Name	Asbestos Fibers Other Materials
21-2916R	31651008	
Layer 1:	Drywali 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 Detected4%CELLULOSE FIBER96%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
	31651015	
Layer 1:	Flooring Tan, Org.Bound/Fibrous	None Detected 35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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-	1/2008 03:33 8046581708	SCHNEIDER LABS PAGE 05/
Account - \	Norkorder 4001-12-776 (Continued)	Page 5 (Continued)
Client	SLI Sample	
Sample No.	Sample/ Identification/	PLM Analysis Results
	Layer ID Layer Name	Asbestos Fibers Other Materials
29-2916R	31651016	
Layer 1:	Flooring	20% CHRYSOTILE 20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous	10% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
30-2916R	31651017	
Layer 1:	Flooring	20% CHRYSOTILE 20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous	10% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
31-2916R	31651018	
Layer 1:	Flooring	20% CHRYSOTILE 20% CELLULOSE FIBER
	Beige, Org.Bound/Fibrous	10% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
32-2916R	31651019	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
-	Beige/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
33-2916R	31651020	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
34-2916R	31651021	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
	Beige/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
35-2916R	31651022	
Layer 1:	Flooring	None Detected 35% CELLULOSE FIBER
	Brown/Black, Org.Bound/Fibrous	15% MINERAL/GLASS WOOL
		50% NON FIBROUS MATERIAL
36-2916R	31651023	
Layer 1:	Drywall	None Detected 4% CELLULOSE FIBER
	White, Powdery	96% NON FIBROUS MATERIAL
Layer 2:	Plaster	None Detected 100% NON FIBROUS MATERIAL
	Beige, Granular	
	Solge, citalitia	
Layer 3:	Textured Material	None Detected 100% NON FIBROUS MATERIAL
-	Beige, Granular	

Total Number of Pages in Report: 6

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2 hours* Ail samples on form should be of matrix type. Same day* Isamples on form should be of matrix type. 1 business day* Air 2 business day* Air 2 business day* Aqueous 3 business days* Bulk 5 business days* Hi-Vol Filter (PM10) Full TCLP (10d) Hi-Vol Filter (TSP) Weekend* Oil * not available for all tests Paint Schedule rush organics, multi- metals & weekend tests in Sludge		e additional forms as Solid Waste Wastewate M10) Water,Drink SP) Compliance	as needed.		estos Air / Fiber Counts CM (NIOSH 7400) M (AHERA) M (EPA Level II) Miscellaneous Tests Ital Dust (NIOSH 0500) esp. Dust (NIOSH 0600)			Asbestos Bulk / Asb ID PLM (EPA 600, 1982) PLM (EPA Point Count) PLM (Qualitative only) NYELAP 198.1/.4/.6 CAELAP (EPA Interim) TEM (Chatfield) FOR ASBESTOS AIR:		Metals-Total Conc. Lead RCRA Metals Metals-Extract TCLP / Lead TCLP / RCRA Metals TCLP / RCRA Metals TCLP / Full (w/ organics)		act	
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advance	Date	Soil Time	Sample					Type ¹	Type ¹ Time ²			w Rate ³	Total ⁴
Sample #	Sample	d Sampled	(e.g. Employee	e, SSN, B	ldg, Mate	erial)	Area (ft²)	A,B,P,E	Start	Stop	Start	Stop	Air Vol
1.2916R													
2-2916R									n				
3-2946R			1										
4-29(6R													
5-2916R													
6-2916R													
7-29/4R													
8-2916R													
9-29/6R													1
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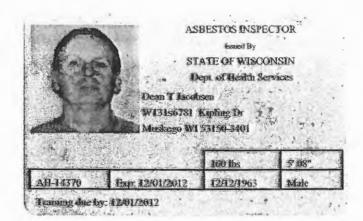
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13-2916R													
14-29168													
15-794R													
16-226R													
17-2916R													1
18-2916R									1				1
19-29.6R													
20-2968													
21-296R													
22-29168													
23-20/10g													
24-29cor													
¹ Type: A=area E	B=blank P=	personal E=excu	rsion ² Beginni	ng/End of Sa	mple Peri	od ³ P	ump Calibrat	on in Li	ters/Minute	Volume in	Liters [tim	in min * flow	
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Tum Around	Time	Matrix / Sar	nple Type (Select C	NE)	6			Tests /	Analytes (Se	lect ALL that	Apply)	1.1		
2 hours* Same day*	All samples on form should be of S matrix type, Use additional forms as i			SAME needed.	Прсм (NIOSH		XP	LM (EPA 60		Lead		onc.	
1 business day			Solid Waste					_	LM (EPA Po LM (Qualitati		RCR	A Metals		
X 3 business day		X Bulk	Wastewate	r		CFA LE	ver ny	-	YELAP 198.			<u>n</u>		
5 business day			M10) Water, Drint	Sector and the sector of the s			121	AELAP (EP/		Metals-Extract				
Full TCLP (10d))	Hi-Vol Filter (TS	SP) Complianc	Compliance Total D		Dust (Ni	OSH 0500)					CLP / Lead		
Weekend*		C) OII	U Wipe		Resp.	Dust (NIOSH 0600)					/ RCRA Meta	ls	
* not available for		Paint	Wipe, Com	posite	-		NIOSH 7602)			STOS AIR:	TCLP	/ Full (w/ orga	- 22	
Schedule rush orga metals & weeken advance	d tests in	Sludge	0			- XRD (NIOSH 7500)	USE	E OF RESPI	RATOR		Others	192	
	Date	Time		e Identific			Wiped	Туре		ime ²		w Rate ³	Total ⁴	
Sample #	Sample	d Sampled	(e.g. Employed	, SSN, B	ldg, Mate	nal)	Area (ft²)	<u>A,B,P,</u>	E Start	Stop	Start	Stop	Air Vol	
25-296R													-	
26-296el														
27-29/6R		-							-				-	
28.2916R														
29-296R														
307246R														
31-2016R														
32-29.6R														
33-2716R														
34-29.60R														
35-20cl														
36-20.00														
	-biank P	personal E=excur	sion ² Beginning/	End of Sar	mple Perio	d ³ Pu	Imp Calibrati	on in L	iters/Minute	4Volume In	Liters [time	e in min * flov	v in L/min)	
Sampled by			Relinquished to											
				Dean J	acobsen								USM	
				AAA								8	DB	
				10/1	5/12 17:	00	. 1					april 1	121	
Sample return	n requeste	d Ambient ter		рH		RES	X	Castory	co unentation	continued Clan	ally wither a	Terms and com	ditions page 2	

SI	j	2512 Wes 804-353-67	NEIDER L st Cary Stree 78 • 800-78 slabinc.com	t, Richm 5-LABS (ond, Vi 5227) •	rginia Fax I	23220-51	17	VO Label:				
Submitting				Lab Use-		<u> </u>							
Co. Hai	enda Man	agement Group		Acct i					Phone #	4	114-383	3-4800	
P.O. Box 511305				-					Fax#		414-383	-4805	
New Berlin, WI 5	3151					4	001		E-mall	djace	bsen@h	arenda.co	
Project Name:	DNS					Specia	al Instructio	ns [incl	lude reque	ests for spec	ial report	ing or data	packages
Project Location:						DON	OT ANAL	YZE N	ASTICS	3			
Project Number:	12-0210	2916R							_				
PO Number:		2-02 10.23 TUN				State C	Collection	WI					
Turn Around	Time	Matrix / Sar	nple Type (Selec	t ONE)	A DEAR	10.2	的影响影响	13-3-347.1	Analytes (Se	elect ALL that	Apply)		A
2 hours*		All samples o	n form should be o	SAME	Asbes	tos Air	Fiber Count	/	Asbestos B	ulk / Asb ID	H-T-C-M	etala-Total C	ionc.
Same day*		mamx type. Use	additional forms	as needed.	ПРСМ	(NIOSH	7400)	X Pi	LM (EPA 60	0, 1982)	Lead		
1 business day	•	Air	Solid Solid		TEM		A	D PI	LM (EPA Po	int Count)	RCRA	Metals	
2 business day		Aqueous	Waste		TEM	(EPA L	evel II)		LM (Qualitat		□		
X 3 business day		X Bulk	Wastewa			Ce (2.2.)	STREET STREET	1.11	YELAP 198.		New Second		
5 business day		Hi-Vol Filter (Pl					_	AELAP (EP)		Metals-Extract			
Full TCLP (10d)	Hi-Vol Filter (TS		nce	-		IOSH 0500)		EM (Chatfiel	d)	_		
Weekend*	all to als			amagita	-		NIOSH 0600) (NIOSH 7602)		OP ASPE	STOS AIR:		/ RCRA Meta / Full (w/ orga	
* not available for Schedule rush orga		Paint	Wipe, C	omposite	_		(NIOSH 7502)		E OF RESPI		1 ICLA	Others	arnes)
metala & weeken advance	d tests in					- 110	(1100111000)	USE		·			
	Date	Time	Sam	ple Identifie	cation		Wiped	Type ¹		īme ²	Flow	r Rate ³	Total ⁴
Sample #	Sample	d Sampled	(e.g. Employ	ee, SSN, E	Bldg, Mat	erial)	Area (ft*)	A,B,P,E	Start	Stop	Start	Stop	Air Vol
37.2468													
38-294ek													
39-2946R										-		_	
40-7916R													
						_							
¹ Type: A=area F	a=biank P≃	personal E=excur	sion ² Beginnin	g/End of Sa	mple Peri	od ³ P	ump Calibrat	ion in Lit	ters/Minute	⁴ Volume in	Liters (time	in min * flov	w in L/min]
Sampled by			Relinquished									2	
			NAME /) Dean J	lacobse	n							USM
SIGNATURE			SIGNATURE	mx1-			-					H	HD DB
DATE/TIME			DATE/TIME	11	5/12 17	-00		2				STE	121
			DATE TIME	10/1	J116 11	.00	10		1	4			1 11

IX. HMG CERTIFICATION

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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
II.	Building Survey
III.	The Laboratory
IV.	Findings and Observations
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VIII.	Laboratory Results
IX.	HMG Certifications

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, 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	SP1
20-3001b	2 nd floor – west apartment west bedroom – north wall – plaster base coat	Negative	N/A	SPl
21-3001a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPl
21-3001b	1 st floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPl
22-3001a	2 nd floor – east apartment east bedroom – west wall – patch layer	Negative	N/A	SPl
22-3001b	2 nd floor – east apartment east bedroom – west wall – plaster skim coat	Negative	N/A	SPl
22-3001c	2 nd floor – east apartment east bedroom – west wall – plaster base coat	Negative	N/A	SPl
23-3001a	2 nd floor – east apartment kitchen – west wall – plaster skim coat	Negative	N/A	SPl
23-3001b	2 nd floor – east apartment kitchen – west wall – plaster base coat	Negative	N/A	SPl
24-3001	1 st floor – kitchen – north wall – plaster	Negative	N/A	SP1
25-3001a	1 st floor – dining room – west wall – plaster skim coat	Negative	N/A	SP1
25-3001b	2 nd floor – dining room – west wall – plaster base coat	Negative	N/A	SPl
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	SP1P
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

51	encous material v	Coues
	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

ile

- 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

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:

N/A	Air Conditioners (roof top, room, and central) Room
N/A	Dehumidifiers
N/A	Heat Pumps
N/A	Refrigerators, Freezers, Chillers
_1	Vending Machines, Food Display Cases – Store
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	
16	Fluorescent Lights – 1 st Floor Kitchen, Store
N/A	High Intensity Discharge
	-Metal Halide
	-High Pressure Sodium
	-Mercury Vapor
<u>N/A</u>	Neon
N/A	Switches for lighting using mercury relays
	-Look for any control associated with exterior or automated
	lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

_1	Old Thermostats – Basement
N/A	Aquastats
N/A	Firestats
N/A	Manometers
N/A	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

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

PCBs

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

N/A	Transformers
N/A	Capacitors (appliances, electronic equipment)
N/A	Heat Transfer Equipment
7	Light Ballasts – Store
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
1	Junk Auto Tires – 1 st Floor Living Room
N/A	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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numb	er: B929				Harenda Management Gro Jolene Harenda P.O. Box 511305	-
Date Received: Received By: Date Analyzed: Analyzed By: Methodology:	Joanna N 07/12/20 Gayle Oe	Aueller 13	Project Locati	ect: DNS on: Milwaukee, WI er: 13-2000-068.30		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3001	Homogeneous	White Window Glazing	Asbestos Not Prese	nt NA	CaCO3
002	2-3001	Homogeneous	White Window Glazing	Asbestos Not Prese	nt NA	CaCO3
003	3-3001	Homogeneous	White Window Glazing	Asbestos Not Prese	nt NA	CaCO3
004	4-3001	Homogeneous	Gray Plaster	Asbestos Not Preser	nt NA	Quartz CaCO3
005	5-3001	Homogeneous	White Ceiling Tile	Asbestos Not Preser		30 Paint 30 Perlite
006	6-3001	Homogeneous	Cream Sheet Vinyl	Asbestos Not Preser	nt Cellulose 1	5 Vinyl
007	7-3001	Homogeneous	White Sheet Vinyl	Asbestos Not Presen	nt Cellulose 2	20 Vinyl

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe Date Received: Received By:				· · · ·	Harenda Management Gro Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-21	-
Date Analyzed:	07/12/20	13	Proj	ect: DNS		
Analyzed By:	Gayle Oc	oten	Project Locat	ion: Milwaukee, WI		
Methodology:	EPA/600	/ R-9 3/116	Project Num	ber: 13-2000-068.300	01	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-3001	Layered	White Texture	Asbestos Not Presen	ıt NA	CaCO3 Paint
		ан сайтаан ал				
008a		Layered	White Sheetrock	Asbestos Not Presen	t Cellulose	20 Gypsum
009	9-3001	Layered	White Texture	Asbestos Not Presen	ıt NA	CaCO3 Paint
009a	·	Layered	White Sheetrock	Asbestos Not Presen	t Cellulose	20 Gypsum
010	10-3001	Layered	White Texture	Asbestos Not Presen	t NA	CaCO3 Paint
010a		Layered	White Sheetrock	Asbestos Not Presen	t Cellulose	20 Gypsum
011	11-3001	Homogeneous	Tan Sheet Vinyl	Asbestos Not Presen	t Cellulose	20 Vinyl

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numb					Harenda Management Gr Jolene Harenda P.O. Box 511305	oup
Date Received:					New Berlin, WI 53151-2	105
Received By: Date Analyzed:	Joanna M 07/12/20		Projec	et: DNS		
Analyzed By:	Gayle Oc		Project Locatio			
Methodology:	•	/R-93/116	-	er: 13-2000-068.300)1	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-3001	Homogeneous	Beige	Asbestos Not Presen	t Cellulose	20 Vinyl
			Sheet Vinyl			
013	13-3001	Homogeneous	Beige	Asbestos Not Presen	t Cellulose	20 Vinyl
			Sheet Vinyl			
·						
014	14-3001	Homogeneous	Beige	Asbestos Not Presen	t Cellulose	20 Vinyl
	•	·	Sheet Vinyl			
015	15-3001	Homogeneous	Black	Asbestos Not Presen	t NA	Clay
			Ceramic Tile			
016	16-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Presen	t Cellulose	20 Vinyl
			Sheet V myr			
015	15 2001					20 17 1
017	17-3001	Homogeneous	Gray Sheet Vinyl	Asbestos Not Presen	t Cellulose	20 Vinyl
			Shoot Faryk			
018	18-3001	Homogeneous	Gray	Asbestos Not Presen	t Cellulose	20 Vinyl
VIa	10-2001	Homogeneous	Sheet Vinyl	ADDEDING INDU FICSEII	c Cenuiose	20 ¥ myi

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By: Date Analyzed: Analyzed By: Methodology:	er: B929 07/12/20 Joanna M 07/12/20 Gayle Oc	lueller 13	Proj Project Locat Project Num	Jo Po Ne ect: DNS ion: Milwaukee, WI	arenda Management Group lene Harenda O. Box 511305 ew Berlin, WI 53151-2105	
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

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By: Date Analyzed: Analyzed By: Methodology:	er: B929 07/12/20 Joanna M 07/12/20 Gayle Oo	fueller 13	Project Locati	•	Harenda Management Group Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2105	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022b		Layered	Gray Plaster	Asbestos Not Presen	t NA	Quartz CaCO3
023	23-3001	Layered	Cream Skim Coat	Asbestos Not Presen	t NA	Quartz CaCO3 Paint
023a		Layered	Gray Plaster	Asbestos Not Presen	t NA	Quartz CaCO3
024	24-3001	Homogeneous	Gray Plaster	Asbestos Not Presen	t NA	Quartz CaCO3 Paint
025	25-3001	Layered	White Skim Coat	Asbestos Not Presen	t NA	Quartz CaCO3 Paint
025a		Layered	Gray Plaster	Asbestos Not Presen	t NA	Quartz CaCO3

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:				Jolene P.O. B	la Management Gro Harenda ox 511305 erlin, WI 53151-21	-
Date Analyzed:	07/12/20		Proj	ect: DNS		
Analyzed By:	Gayle Oc	oten	Project Locati			
Methodology:	EPA/600	/ R-93 /116	Project Numb	per: 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	29-3 001	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

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe					Harenda Management G Jolene Harenda P.O. Box 511305	roup	
Date Received:		2/2013 na Mueller			P.O. Box 511305 New Berlin, WI 53151-2	2105	
Received By: Date Analyzed:		2/2013	Proj	ect: DNS			
Analyzed By:		e Ooten	-	ion: Milwaukee, WI			
Methodology:	-	600/R-93/116	•	ber: 13-2000-068.30			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
031	31-3001	Homogeneous	White Ceiling Tile	Asbestos Not Prese	nt Cellulose	80	Paint
032	32-3001	Homogeneous	White Ceiling Tile	Asbestos Not Prese	nt Cellulose	80	Paint
033	33-3001	Homogeneous	White Texture	Asbestos Not Prese	nt NA		CaCO3 Gypsum Paint
034	34-3001	Homogeneous	White Texture	Asbestos Not Prese	nt NA		CaCO3 Gypsum Paint
035	35-3001	Homogeneous	White Texture	Asbestos Not Preser	nt NA		CaCO3 Paint
036	36-3001	Homogeneous	Gray Plaster	Asbestos Not Preser	nt NA		Quartz CaCO3
037	37-3001	Homogeneous	Gray Linoleum	Asbestos Not Preser	nt Cellulose	25	CaCO3 Tar

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe Date Received:		13			Harenda Management Group Jolene Harenda P.O. Box 511305	
Received By:	Joanna N				New Berlin, WI 53151-2105	
Date Analyzed:	07/12/20		Project:	DNS		
Analyzed By:	Gayle Oc		•	Milwaukee, WI		
Methodology:	•	/ R-93 /116	-	13-2000-068.30	01	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38-3001	Homogeneous	Beige Sheet Vinyl	Asbestos Not Presei	nt Cellulose 15	Vinyl
039	39-3001	Layered	Yellow Sheet Vinyl	Asbestos Not Preser	nt Cellulose 20	Vinyl
039a		Layered	Cream Sheet Vinyl	Asbestos Not Preser	nt Cellulose 20	Vinyl
040	40-3001	Layered	Yellow Sheet Vinyl	Asbestos Not Preser	at Cellulose 20	Vinyl
040a		Layered	Cream Sheet Vinyl	Asbestos Not Preser	nt Cellulose 20	Vinyl
041	41-3001	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Preser	nt Cellulose 20	Vinyl
042	42-3001	Homogeneous	White Texture	Asbestos Not Preser	nt Cellulose <1	CaCO3 Paint

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe				Client:	Harenda Management G Jolene Harenda P.O. Box 511305	roup	
Date Received:	07/12/20	013			New Berlin, WI 53151-2	2105	
Received By:	Joanna N	Aueller					
Date Analyzed:	07/12/20)13	Proj	ect: DNS			
Analyzed By:	Gayle O	oten	Project Locat	ion: Milwaukee, WI			
Methodology:	E PA/60 0	D/R-93/116	Project Num	ber: 13-2000-068.30	001		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
043	43-3001	Homogeneous	White	Asbestos Not Prese	nt Cellulose	<1	CaCO3
	15 5001	monogeneous	Texture	1.00000001100011000		•	Paint
044	44-3001	Homogeneous	White	Asbestos Not Prese	nt Cellulose	<1	CaCO3
		Homogeneous	Texture	1100000011011000			Paint
045	45-3001	Homogeneous	Tan	Asbestos Not Prese	nt Cellulose	25	Tar
		1101120 generation	Linoleum				
046	46-3001	Homogeneous	White	Asbestos Not Prese	nt NA		CaCO3
			Texture				Peint
047	47-3001	Homogeneous	White	Asbestos Not Prese	nt NA		CaCO3
		-	Texture				Paint
048	48-3001	Homogeneous	White	Asbestos Not Prese	nt NA		CaCO3
		-	Texture				Paint
			and the second				
049	49-3001	Homogeneous	White	Asbestos Not Prese	nt Cellulose	20	Vinyl
			Sheet Vinyl				-
			·				

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab N Account Number: Date Received: Received By: Date Analyzed:		fueller	Proje	Client: ect: DNS	Harenda Management Group Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2105	
Analyzed By:	Gayle Oc		•	on: Milwaukee, WI		
Methodology:	EPA/600	/R-93/116	Project Numb	per: 13-2000-068.3	001	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
050	50-3001	Homogeneous	Gray Linoleum	Asbestos Not Prese	ent Cellulose 25	Tar
051	51-3001	Homogeneous	White Ceiling Tile	Asbestos Not Prese	ent Cellulose 30 Glass Fiber 30	Paint Perlite
052	52-3001	Homogeneous	White Sheet Vinyl	Asbestos Not Prese	ent Cellulose 20	Vinyl
	Cayle o	oten, Analyst		7/15/2013 Date of Report		
	kayle o	oten, Analyst				

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

GUANEMON
www.QuanTEM.com

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For Lab Use Only

LABORATORIES www.QuanTEM.com				- PLEASE PR				Lab No.	224101 ccept Reject
Contact Informa	lion	ingelie.			P	roject Information	C. C. Start P. Start	Reported	WINYING SING DOX
Company: Harenda Management Group	Phone: (4	Phone: (414) 383-4800			Project Name: DNS				TEM Website
Contact: Dean Jacobsen	Cell Phone:			Project Location:	Milwa	ukee, WI		🖌 Othe	r email
Account #: B929	E-mail: djacol	bsen@h	arenda.com	Project ID;	13-200	00-068.3001			
SAMPLED BY: Name:	Date:			P.O. Number:					
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	REQUEST	ED SER	VICES (Ple	ease 🗹 the Ap	propr	iate Boxes)			
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400 Point Count Other		Air- NIOSH 740		02	Bulk- Quantitative [weight%]- Chatfield				Same Day
1000 Point Count		Air- ISO 10312				Dust- Presence / Absence			24 - Hour
Gravimetric Preparation P	СМ		Drinking Wate			Dust- Quantitative [fibers/sq.cm]- ASTM D5755			3 - Day
Particle ID NIOSH 7400			Waste Water- I	EPA 600/4-83-043				5 - Day	
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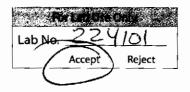
SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



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Page 2 of 4



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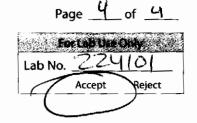
Page 3 of 4

company: Harenda Management Group					Project Name: DNS				Project Location: Milwaukee, WI		
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Compa	ny: Harenda Mana	agement (Group	Project Name:	Project Name: DNS			Project Location: Milwaukee, WI		
No.	Sample 1D {10 Characters Max)	☑ To Be Analyzed	Colør		Description		Volume / Area (as applicable)	Cộ	mments / Notes	
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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
II.	Building Survey
III.	The Laboratory
IV.	Findings and Observations
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IX.	HMG Certifications

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) 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.	МТР	
2-2448	Exterior – north wall under vinyl siding – transite siding	Positive 30% Chrysotile	Reference 1- 2448	МТР	
3-2448	Exterior – west wall under vinyl siding – transite siding	Positive 30% Chrysotile	Reference 1- 2448	МТР	
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	SP1		
22-2448	2 nd floor – north bedroom – west wall – plaster	Negative	N/A	SP1		
23-2448	2 nd floor – south kitchen – south wall – plaster	Negative	N/A	SP1		
24-2448	1 st floor – north bathroom – east wall – plaster	Negative	N/A	SP1		
25-2448	1 st floor – living room – north wall – plaster	Negative	N/A	SP1		
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</i> <i>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

eneous material	Coues
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:

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)
_1	Fire Extinguishers (both portable and installed HALON suppression systems) -2^{nd} Floor Living Room
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	Fluorescent Lights – 1 st Floor South Kitchen, Basement
N/A	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
N/A	Neon
N/A	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

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

VIII. LABORATORY RESULTS



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe Date Received: Received By:	er: B929 07/23/20 Joanna M	Aueller			Jolene Ha P.O. Box			
Date Analyzed:	07/24/20		Project:		-			
Analyzed By:	Sandy B		Project Location:	-				
Methodology:	EPA/600)/ R-93 /116	Project Number:	13-2000-068.24	440			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	1-2448	Homogeneous	Gray Transite	Asbestos Present Chrysotile	t 30	NA		CaCO3 Binder
002	2-2448	Homogeneous	Gray Transite	Asbestos Presen Chrysotile	t 30	NA		CaCO3 Binder
003	3-2448	Homogeneous	Gray Transite	Asbestos Presen Chrysotile	t 30	NA		CaCO3 Binder
004	4-2448	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent	Cellulose	50	Tar
005	5-2448	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent	Cellulose	60	Tar
906	6-2448	Layered	Black Tar Paper	Asbestos Not Pres	ent	Cellulose	60	Tar
006a		Layered	Brown Paper	Asbestos Not Pres	ent	Cellulose	100	

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:					Harenda Management G Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2	•	
Date Analyzed:	07/24/20		Project	: DNS			
Analyzed By:	Sandy B		=	: Milwaukee, WI			
Methodology:	•)/ R-93 /116	-	: 13-2000-068.24			
			-				
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
007	7-2448	Homogeneous	Tan Sheetrock	Asbestos Not Prese	nt Cellulose	30	Gypsum Binder
008	8-2448	Homogeneous	Tan Sheetrock	Asbestos Not Prese	nt Ceilulose	30	Gypsum Binder
009	9-2448	Homogeneous	Tan Sheetrock	Asbestos Not Prese	ent Cellulose	30	Gypsum Binder
010	10-2448	Homogeneous	Light Gray Window Glazing	Asbestos Not Prese	nt NA		CaCO3 Paint
011	11-2448	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile	NA 6		CaCO3 Paint
012	12-2448	Homogeneous	Beige Window Głazing	Asbestos Not Prese	ent NA		CaCO3 Paint
013	13-2448	Homogeneous	Black Tar Paper	Asbestos Not Prese	ent Cellulose	60	Tar

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received:		13		J P	Iarenda Management Grou olene Harenda P.O. Box 511305 New Berlin, WI 53151-210	-
Received By:	Joanna N	ſueller				
Date Analyzed:	07/24/20	13	Ргој	ect: DNS		
Analyzed By:	Sandy B	aker	Project Locat	ion: Milwaukee, WI		
Methodology:	EPA/600	/ R-9 3/116	Project Num	ber: 13-2000-068.244	8	
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	t NA	Clay
014a		Layered	Gray Grout	Asbestos Not Present	t NA	Quartz Clay
015	15-2448	Homogeneous	Gray Plaster	Asbestos Not Presen	t NA	Quartz Sand
016	16-2448	Layered	Black Ceramic Tile	Asbestos Not Presen	t NA	Clay
016a		Layered	Light Gray Grout	Asbestos Not Presen	t NA	Quartz Clay
017	17-2448	Homogeneous	Tan Insulation	Asbestos Not Presen	t Cellulose 10	0
018	18-2448	Homogeneous	Tan Insulation	Asbestos Not Presen	t Cellulose 10	0
					<u>, , , , , , , , , , , , , , , , , , , </u>	

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Number Date Received: Received By:	er: B929 07/23/20 Joanna N	fueller	B - 1	Client: Harenda Management Group Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2105					
Date Analyzed:			•	ect: DNS					
Analyzed By:	Sandy Bandy	aker 0/R-93/116	E .	ion: Milwaukee, WI ber: 13-2000-068.2448					
Methodology:	EPA/600	/R-93/110	Project Num	Del. 13-2000-008.2448					
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 -2 448	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.



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:				J. P	Iarenda Management Group olene Harenda 9.O. Box 511305 Jew Berlin, WI 53151-2105	×
Date Analyzed:			Proi	ect: DNS		
Analyzed By:	Sandy Ba			on: Milwaukee, WI		
Methodology:	•)/ R-93 /116		per: 13-2000-068.244	8	
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	t NA	CaCO3 Paint
027	27-2448	Homogeneous	White Ceiling Texture	Asbestos Not Presen	t NA	CaCO3 Paint
028	28-2448	Homogeneous	Cream Texture	Asbestos Not Presen	t NA	CaCO3
029	29-2448	Layered	White Texture	Asbestos Not Presen	t NA	CaCO3 Paint
029a		Layered	White Sheetrock	Asbestos Not Presen	t Cellulose 30	Gypsum
030	30-2448	Homogeneous	Brown Sheet Vinyl	Asbestos Not.Presen	t Glass Fiber 10	Vinyl Binder
031	31-2448	Homogeneous	White Skim Coat	Asbestos Not Presen	t NA	Gypsum Paint

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab 1 Account Numbe Date Received:				Client:	Harenda Management Gra Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-21	-
Received By: Date Analyzed: Analyzed By: Methodology:	Joanna M 07/24/20 Sandy Ba EPA/600	13	Project Location	t: DNS 1: Milwaukee, WI 13-2000-068.24		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32-2448	Homogeneous	White Skim Coat	Asbestos Not Prese	ent NA	Gypsum Paint
033	33-2448	Homogeneous	White Skim Coat	Asbestos Not Prese	ent NA	Gypsum Paint
034	34-2448	Homogeneous	Tan Texture	Asbestos Not Pres	ent Wollastonite	4 CaCO3 Paint
035	35-2448	Homogeneous	Tan Texture	Asbestos Not Pres	ent NA	CaCO3 Paint
036	36-2448	Homogeneous	Tan Texture	Asbestos Not Pres	ent NA	CaCO3 Paint
037	37-2448	Homogeneous	Gray Plaster	Asbestos Not Pres	ent NA	Quartz . Sand
038	38-2448	Homogeneous	Gray Plaster	Asbestos Not Pres	ent NA	Quartz Sand

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received:	er: B929 07/23/20			Client:	Jolene H P.O. Box		•	
Received By: Date Analyzed:	Joanna N 07/24/20		Project:	DNS				
Analyzed By:	Sandy B		Project Location:		[
Methodology:	EPA/600)/ R-93 /116	Project Number:	13-2000-068.24	448			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
039	39-2448	Homogeneous	Light Gray Insulation	Asbestos Presen Chrysotile	t 75	NA		Binder
040	40-2448	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent	Cellulose	60	Tar
041	41-2448	Homogeneous	Gray Plaster	Asbestos Not Pres	ent	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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For Lab Use Only

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	Contact Information						Pro	oject in	formation	A CHARLES PR	Repel		tallanetone t	(WOW)	
Сотр	any: Harenda Mana	gemen	t Group	Phone: (4	Phone: (414) 383-4800			Project Name: DNS					TEM Website	and the second second	
Contact: Dean Jacobsen		Cell Phone:			Project Location:	Milwau	ikee, V	VI			Othe	r email			
Accou	unt #: B929			E-mail: djaco	osen@har	enda.com	Project ID: 1	3-2000	0-068.2	448					
SAMPLED BY: Name:			Date:			P.O. Number:									
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	1000 Point Count				Air-ISO 10312 Dust- Presence / Absence		1			24 - Hour					
	Gravimetric Preparation		PCM		Drinking Water- EPA 100.2 Dust- Quantitative [fibers/sq.cm]- ASTM D5755					3 - Day					
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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



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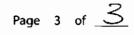
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Lab No. 22998

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Compa	my: Harenda Mana	agement C	aroup	Project Name: DNS		Project Location:	Milwaukee, Wi
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50							

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

TABLE OF CONTENTS

I.	Introduction
II.	Building Survey
III.	The Laboratory
IV.	Findings and Observations
V.	Exclusions4
VI.	Limitations4
VII.	Pre-Demolition Environmental Checklist
VIII.	Laboratory Results
IX.	HMG Certifications

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, crodcidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

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

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) 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	Homogeneous	
			Quantity	Code	
1-1016	1 st floor – north room – north window – glazing	Negative	N/A	MPG	
	compound				
2-1016	1 st floor – north room – east window – glazing	Negative	N/A	MPG	
	compound				
3-1016	1 st floor – south room – south window – glazing	Negative	N/A	MPG	
	compound				
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 –	Negative	N/A	MBI	
	blown in insulation				
8-1016	1 st floor – north room – in pile on east side –	Negative	N/A	MBI	
	blown in insulation				
9-1016	1 st floor – north room – in pile on east side –	Negative	N/A	MBI	
	blown in insulation				
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	Negative	N/A	MRM	
	layer 1				
25-1016b	1 st floor – south room – in rubble pile – roofing	Negative	N/A	MRM	
	layer 2				
26-1016a	1 st floor – north room – in rubble pile – roofing	Negative	N/A	MRM	
	layer 1				
26-1016b	1 st floor – north room – in rubble pile – roofing	Negative	N/A	MRM	
	layer 2				
27-1016a	1 st floor – north room – in rubble pile – roofing	Negative	N/A	MRM	
	layer 1				
27-1016b	1^{st} floor – north room – in rubble pile – roofing	Negative	N/A	MRM	
	layer 2				

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

Notes: N/A = Not Applicable

Sq. Ft. = Square Feet

Homogeneous Material Codes

SPl	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:

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)
20	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
N/A	Neon
N/A	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 60 Cans Spray Paint & 1 Gas Meter on Exterior

* 135 Cans Spray Paint in Interior

VIII. LABORATORY RESULTS



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By: Date Analyzed:	er: B929 08/27/20 Joanna N	lueller	Project		Harenda Management Gr Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2	-	
Analyzed By:	Jeff Mlel		Project Location				
Methodology:)/ R-9 3/116	Project Number				
Mie Loro By:	2		·				
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	1-1016	Homogeneous	Gray Window Glazing	Asbestos Not Prese	ent NA		CaCO3 Binder
002	2-1016	Homogeneous	Gray Window Glazing	Asbestos Not Prese	ent NA		CaCO3 Binder
003	3-1016	Homogeneous	Gray Window Glazing	Asbestos Not Prese	ent NA		CaCO3 Binder
004	4-1016	Homogeneous	White Sheetrock	Asbestos Not Prese	ent Cellulose	15	Gypsum
005	5-1016	Homogeneous	White Sheetrock	Asbestos Not Prese	ent Cellulose	15	Gypsum
006	6-1016	Homogeneous	White Sheetrock	Asbestos Not Prese	ent Cellulose	15	Gypsum
007	7-1016	Homogeneous	White Insulation	Asbestos Not Prese	ent Cellulose Glass Fiber	<1 98	

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:					Harenda Management Gra Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2	
Date Analyzed:	08/29/20		Projec	t: DNS		
Analyzed By:	Jeff Mlel		•	n: Milwaukee, WI		
Methodology:)/R-93/116	•	r: 13-2000-068.10		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-1016	Homogeneous	White	Asbestos Not Prese	nt Cellulose	<1
		•	Insulation		Glass Fiber	98
009	9-1016	Homogeneous	White Insulation	Asbestos Not Prese	nt Cellulose Glass Fiber	4 95
010	10-1016	Layered	White Ceramic Tile	Asbestos Not Prese	nt NA	Quartz Clay
010a		Layered	White Grout	Asbestos Not Prese	nt NA	CaCO3 Sand
011	11-1016	Layered	White Ceramic Tile	Asbestos Not Prese	nt NA	Quartz Clay
011a		Layered	White Grout	Asbestos Not Prese	nt NA	Sand Binder
012	12-1016	Layered	White Ceramic Tile	Asbestos Not Prese	nt NA	Quartz Clay

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab 1 Account Numbe Date Received:	er: B929 08/27/20			Client:	Harenda Management Gu Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2	-	
Received By: Date Analyzed:	Joanna N 08/29/20		Project	DNS			
Analyzed By:	Jeff Mlel		Project Location:		[
Methodology:	EPA/600	/R-93/116	Project Number:	13-2000-068.10	016		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
012a		Layered	White Grout	Asbestos Not Prese	ent Cellulose	2	CaCO3 Sand
013	13-1016	Homogeneous	White Ceiling Tile	Asbestos Not Prese	ent Cellulose	95	Paint
014	14-1016	Homogeneous	White Ceiling Tile	Asbestos Not Prese	ent Cellulose	95	Paint
015	15-1016	Homogeneous	White Ceiling Tile	Asbestos Not Pres	ent Cellulose	95	Paint
016	22-1016	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent Cellulose	50	Tar
017	23-1016	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent Cellulose	50	Tar
018	24-1016	Homogeneous	Black Tar Paper	Asbestos Not Pres	ent Cellulose	50	Tar

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:	er: B929 08/27/20 Joanna M	lueller	Desired	Client:	Harenda Management Gro Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-21	•
Date Analyzed:	08/29/20		Project			
Analyzed By:	Jeff Mlek		•	Milwaukee, WI		
Methodology:	EPA/600	/ R-93 /116	Project Number	13-2000-068.1)16	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	25-1016	Layered	Black Tar	Asbestos Not Prese	ent NA	Tar
019a		Layered	Black Tar Paper	Asbestos Not Prese	ent Cellulose :	50 Tar
020	26-1016	Layered	Black Tar	Asbestos Not Prese	ent Wollastonite	4 Tar
020a		Layered	Black Tar Paper	Asbestos Not Prese	ent Cellulose :	50 Tar
021	27-1016	Layered	Black Tar	Asbestos Not Prese	ent NA	Tar
021a		Layered	Black Tar Paper	Asbestos Not Prese	ent Cellulose :	50 Tar
022	28-1016	Homogeneous	Tan Plaster	Asbestos Not Prese		<1 CaCO3 <1 Sand

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



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By:	er: B929 08/27/20 Joanna N	lueller			Harenda Management Group Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2105	
Date Analyzed:			-	: DNS		
Analyzed By:	Jeff Mle		Project Location			
Methodology:	EPA/600)/R-93/116	Project Number	: 13-2000-068.1	016	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	29-1016	Homogeneous	Tan Plaster	Asbestos Not Pres	ent Cellulose <1	CaCO3 Sand
024	30-1016	Homogeneous	Tan Plaster	Asbestos Not Pres	ent Cellulose <1	caCO3 Sand
025	31-1016	Layered	White Skim Coat	Asbestos Not Pres	ent NA	CaCO3
025a		Layered	Tan Plaster	Asbestos Not Pres	ent NA	CaCO3 Sand
026	32-1016	Homogeneous	Tan Plaster	Asbestos Not Pres	ent NA	CaCO3 Sand
	Jeff Mlekush,	Laboratory Manager		8/29/2013 Date of Report		
$\mu \psi$						

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



ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only

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Accou	int #: B929				E-mail: dj	acobsen	pharenda.com	n Project ID:	13-20	00-06	68.1016					-
	PLED BY: Name:				Carte:			P.O. Number:								
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	Gravimetric Preparation	_		PCM			Drinking Wa	ter- EPA 100.2		Dust	t- Quantitative [fibers	/sq.cm}- ASTM D5755	5755 🖌 3 - Day			
	Particle ID			NIOSH 7400			Waste Water	EPA 600/4-83-043		Oth	er		5 - Day		5 - Day	
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3	3-1016															
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7	7-1016]													
8	8-1016]													
9	9-1016															
10	12-1016											Do Not	Analy	20	Motic	

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



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page 2 of ____

For Lab Che Code Lab No. 226019 Accept Reject

Proje	Project Information									
Compa	any: Harenda Mana	agement Gr	oup	Project Name: DNS	Project	Location: Milwaukee, WI				
No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / (as applica	ble)				
11	11-1046	X				Do Not Analyze Mastic				
12	12-1016					1.				
13	13-1046									
14	14-1016	L LL								
15	15-1016	Ф								
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17	23-1016									
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	25-1016	Ц.								
20	26-1016									
21	27-1016									
22	28-1016		-							
23	29-1016	Ф								
24	30-1016	ф								
25	31-1246									
26	32-1016									
27										
28										
29										
30										

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

1237 West Bruce Street · Milwaukee, Wisconsin 53204 · (414) 383-4800 · (414) 383-4805

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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 F	Road, Milwaukee,	Wisconsin	Date: 8/23/13								
	Paint Testing Results											
Sample	Location	LocationComponentSubstrateColor& Feature										
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.

С. **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 $30 \ \mu g/m^3$ 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 $50 \ \mu g/m^3$ 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 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 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



Environmental Chemistry Analysis Report

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



LEAD CHAIN OF CUSTODY

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www.QuanTEM.com	LEG		NT - PLEASE		.EGIB	BLY					Lab		Accept Reject
Contact Information	5			ß			tio p			185		en an	atha (Eland ack)
company: Harenda Management Group	Phone: (414) 383-48	00 Project Name		an an thail than all an than							Qua	anTEM Website
Contact: Dean Jacobsen	Cell Phone:		Project Locat	ion: Milwa	ukee	, WI					1	Oth	er_ ^{email}
Account #: B929	E-mail: d	ljacobsen@harenda	a.com Project ID:	13-200	0-068	3.1016					-		
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10													24 - Hour
11												1	3 - Day
12													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
II.	Building Survey
III.	The Laboratory
IV.	Findings and Observations
V.	Exclusions
VI.	Limitations
VII.	Pre-Demolition Environmental Checklist
VIII.	Laboratory Results
IX.	HMG Certifications

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) 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	Homogeneous
			Quantity	Code
1-3216B	Attic – on floor – blown in insulation	Negative	N/A	MBI
2-3216B	1 st floor – dining room – in wall – blown in	Negative	N/A	MBI
	insulation			
3-3216B	1 st floor – living room – in wall – blown in	Negative	N/A	MBI
	insulation			
4-3216B	1 st floor – dining room – under plywood – beige	Negative	N/A	MFLen
	and brown linoleum			
5-3216B	1 st floor – bathroom – under plywood – beige and	Negative	N/A	MFLen
	brown linoleum			
6-3216B	1 st floor – dining room – east wall – plaster	Negative	N/A	SPl
7-3216B	1 st floor – bedroom – south wall – plaster	Negative	N/A	SP1
8-3216B	1 st floor – living room – west wall – plaster	Negative	N/A	SP1
9-3216B	Basement – south side – ceiling – transite	Positive 30%	60 Sq. Ft.	МТР
		Chrysotile	_	
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	Negative	N/A	MDW
	#2	-		
11-3216Bc	1 st floor – bedroom – north wall – drywall	Negative	N/A	MDW
12-3216Ba	1 st floor – bathroom – south	Negative	N/A	MDW
	wall – joint compound	C		
12-3216Bb	1 st floor – bedroom – north wall – joint compound	Negative	N/A	MDW
	#2	C		
12-3216Bc	1 st floor – bedroom – north wall – drywall	Negative	N/A	MDW
13-3216B	1 st floor – living room – east side under plywood	Negative	N/A	MFLeg
	– beige and green linoleum	C		C
14-3216B	1 st floor – living room – north side under plywood	Negative	N/A	MFLeg
	– beige and green linoleum	C		C
15-3216B	1 st floor – living room – west side under plywood	Negative	N/A	MFLeg
	– beige and green linoleum	e		Ŭ
16-3216B	1 st floor – living room – south window – glazing	Negative	N/A	MPG
	compound	0		_

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

mus	cheous material	coucs
_	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...

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:

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 – Basement
N/A	Water Fountains (bubblers)
N/A_	Fire Extinguishers (both portable and installed HALON suppression systems)
N/A	Water Coolers

LEAD

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

MERCURY

Products that may contain mercury:

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

N/A_	Hazardous Waste
N/A	Oil Tanks
N/A	Well Abandonment
N/A	Junk Auto Tires
	Junk Truck – Behind Dwelling

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS



Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numbe Date Received: Received By: Date Analyzed: Analyzed By: Methodology:	er: B929 08/21/20 Joanna M 08/22/20 Gayle Oc	fueller 13	•	1		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3216B	Homogeneous	Brown Insulation	Asbestos Not Prese	nt Cellulose 100	
002	2-3216B	Homogeneous	Brown Insulation	Asbestos Not Prese	nt Cellulose 100	
003	3-3216B	Homogeneous	Brown Insulation	Asbestos Not Prese	nt Cellulose 100	
004	4-3216B	Homogeneous	Tan Linoleum	Asbestos Not Prese	nt Cellulose 25	Tar
005	5-3216B	Hom o geneous	White Floor Tile	Asbestos Not Prese	nt NA	Vinyl CaCO3
006	6-3216B	Homogeneous	Gray Grout	Asbestos Not Prese	nt NA	Quartz CaCO3
007	7-3216B	Homogeneous	G r ay Grout	Asbestos Not Prese	nt NA	Quartz CaCO3

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Number Date Received: Received By: Date Analyzed: Analyzed By: Methodology:	er: B929 08/21/20 Joanna M 08/22/20 Gayle Oo	ſueller 13	Project Project Location Project Number	: DNS : Miłwaukee, WI	Jolene Ha P.O. Box New Ber		-	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
008	8-3216B	Homogeneous	Gray Grout	Asbestos Not Prese	ent	NA		Quartz CaCO3
009	9-3216B	Homogeneous	Gray Transite	Asbestos Present Chrysotile	30	NA		CaCO3
010	10-3216B	Layered	White Texture	Asbestos Not Prese	ent	NA		CaCO3 Paint
010a		Layered	Cream Joint Compound	Asbestos Not Prese	ent	NA		CaCO3
0105		Layered	White Sheetrock	Asbestos Not Prese	ent	Cellulose	20	Gypsum
011	11-3216B	Layered	White Texture	Asbestos Not Prese	ent	NA		CaCO3 Paint
011a		Layered	Cream Joint Compound	Asbestos Not Prese	ent	Cellulose	<1	CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab I Account Numbe Date Received: Received By:	r: B929 08/21/20 Joanna N	fueller		Jo P N	arenda Management Group blene Harenda .O. Box 511305 few Berlin, WI 53151-2105	
Date Analyzed:	08/22/20		Project			
Analyzed By:	Gayle Oc		Project Location	-	-	
Methodology:	EPA/600	/ R-93 /116	Project Number:	13-2000-068.3210	5B	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
0116		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.



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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab Account Numb Date Received:	ber: B929 : 08/21/20			Client:	Harenda Management Grou Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-210	-
Received By: Date Analyzed Analyzed By: Methodology:	Gayle O	13		DNS Milwaukee, WI 13-2000-068.32		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16-3216B	Homogeneous	White Window Glazing	Asbestos Not Prese	ent NA	CaCO3
017	17 -3216B	Homogeneous	Black Tar Paper	Asbestos Not Prese	ent Cellulose 4	0 Tar
018	18-3216B	Homogeneous	Black Tar Paper	Asbestos Not Prese	ent Cellulose 4	0 Tar
019	19-3216B	Homogeneous	Black Tar Paper	Asbestos Not Prese	ent Cellulose 4	0 Tar
020	20-3216В Л	Homogeneous	Tan Linoleum	Asbestos Not Prese	ent Cellulose 2	5 Tar
	Gayer	Doten, Analyst		8/22/2013 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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For Lab the

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Contact Information					Project Information			Report Results (12) one box)									
Company: Harenda Management Group			Phone: (414) 383-4800		Project Name: DNS				QuanTEM Website								
Cont	act: Dean Jacobsen				Cell Phone:				Project Location:	Milwa	uke	ee, WI		✓ Other email			
Acco	unt #: B929				E-mail: djaco	bsen	@haren	ida.com	Project ID:	13-200	0-0	68.3216B					
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	400 Point Count			(EPA 600/R-04/004) Other	J								Same D)ay			
	1000 Point Count					Air- ISO 10312			Dust- Presence / Absence				24 - Hour				
	Gravimetric Preparation			РСМ		Drinking Water- EPA 100.2 Dust- Quantitative [fibers		st- Quantitative [fibers/s	q.cm]- ASTM D5755	A D5755 3 - Day							
	Particle ID			NIOSH 7400] Waste	a Water- El	PA 600/4-83-043		Oth	her				5 - Day	
No	Sample ID (10 Characters Max)	⊠ To Analy		Color			ļ	Descrip	tion			Volume / Area (as applicable)	Com	ment	s / N	otes	
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2	2-33168]														
3	3-3215B																
4	4-3216B	Ľ											Do Not An	<i>و</i> لينو	M	stic	
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7	7-3216B	Ĺ]		-												
8	8-3216B		_														
9	9-32168]														
10	(J-326B		7														

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



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page 2 of <u>2</u>

For Lab Use Only Lab No. 223 7763 Accept Reject

Proj	Project Information								
Company: Harenda Management Group			oup	Project Name: DNS	Project Locatio	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes			
11	11-3216B	K							
12	12-321,0 B			×					
13	13-3216B					Do Not Analyze Martiz			
14	14-3216B	Щ							
15	15-321,48					¥			
16	16-3216B								
17	17-326 B								
18	18-3214B								
19	19-3216B								
20	20-3216B					Do Not Analyze Martic			
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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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III.	The Laboratory
IV.	Findings and Observations
V.	Exclusions
VI.	Limitations7
VII.	Pre-Demolition Environmental Checklist8
VIII.	Laboratory Results
IX.	HMG Certifications

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.

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, 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	SPl
17-2942	2 nd floor – rear apartment – living room – east wall – plaster	Negative	N/A	SPl

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2942	2 nd floor – front apartment – living room – west wall – plaster	Negative	N/A	SP1
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	SPl
21-2942	1 st floor – front apartment – living room – east wall – plaster	Negative	N/A	SP1
22-2942	1 st floor – front apartment – kitchen – north wall – plaster	Negative	N/A	SP1
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	МСТМу
24-2942b	2 nd floor – rear apartment – bathroom floor – mortar	Negative	N/A	МСТМу
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	МСВ
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	МСТМе
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	МСТМе
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

5		
	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

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)
N/A	Dehumidifiers
N/A	Heat Pumps
_N/A	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
_N/A	Water Fountains (bubblers)
_2	Fire Extinguishers (both portable and installed HALON suppression systems) – Rear Stair, Basement Stair
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

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Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS - 4 Breaker Boxes in Basement.

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

PCBs

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

N/A	Transformers
N/A	Capacitors (appliances, electronic equipment)
N/A	Heat Transfer Equipment
	Light Ballasts – Attic
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
_2	Junk Auto Tires – Basement
N/A	Junk Vehicles

* 4 Gas Meters on Exterior

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS

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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 REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

4001-12-631	DATE COLLECTED	
Harenda Management Group	DATE RECEIVED:	3/22/2012
1237 West Bruce Street	DATE ANALYZED:	3/27/2012
Milwaukee, WI 53204	DATE REPORTED:	3/27/2012
DNS		
12-0210.2942		
	SampleType:	BULK
	Harenda Management Group 1237 West Bruce Street Milwaukee, WI 53204 DNS	Harenda Management GroupDATE RECEIVED:1237 West Bruce StreetDATE ANALYZED:Milwaukee, WI 53204DATE REPORTED:DNS12-0210.2942

Cilent Sample	SLI Sample/	Sample Identification/	PLM A	nalysis Results
No.	Layer ID	Layer Name	Asbestos Fibers	Other Materials
1-2942	31397520			
Layer 1:	Insulation		None Detected	85% CELLULOSE FIBER
	Gray, Fibrous			15% NON FIBROUS MATERIAL
2-2942	31397521	10		
Layer 1:	Insulation		None Detected	85% CELLULOSE FIBER
	Gray, Fibrous			15% NON FIDROUS MATERIAL
3-2942	31397522	<u> </u>		
Layer 1:	Insulation		None Detected	85% CELLULOSE FIBER
	Gray, Fibrous			15% NON FIBROUS MATERIAL
4-2942	31397523			- 198 <u>8 - 1997 - 1997 - 1997 - 1</u> 997 - 1997
Layer 1:	Felt		None Detected	65% CELLULOSE FIBER
	Black, Fibrous			35% NON FIBROUS MATERIAL
5-2942	31397524			· · · · · · · · · · · · · · · · · · ·
Layer 1:	Felt		None Detected	65% CELLULOSE FIRER
	Black, Fibrous			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.

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Page 2 (Continued)

Client Sample		Sample dentification/		PLM A	nalysis Res	ults
No.	Layer ID	Layer Name		Asbestos Fibers	Other	Materials
6-2942	31397525				_	
Layer 1:	Felt Black, Fibrous		•	None Detected		ELLULOSE FIBER DN FIBROUS MATERIAL
7-2942	31397526		·····			
Layer 1:	Caulk Beige, Granular		3%	CHRYSOTILE	97% NG	ON FIBROUS MATERIAL
8-2942	31397527					
Layer 1:	Caulk Beige, Granular		3%	CHRYGOTILE	67% NG	ON FIBROUS MATERIAL
9-2942	31397528					
Layer 1:	Caulk Beige, Granular		2%	CHRYSOTILE	98% N	ON FIBROUS MATERIAL
10-2942	31397529		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Layer 1:	Granular Materia Gray, Granular	I		None Detected	100% N	ON FIBROUS MATERIAL
11-2942	31397530					
Layer 1:	Granular Materia Gray, Granular	1		None Detected	100% N	ON FIBROUS MATERIAL
12-2942	31397531		<u> </u>			
Layer 1:	Powdery Materia White, Powdery	2	8%	CHRYSOTILE		ELLULOSE FIBER ON FIBROUS MATERIAL
13-2942	31397532					
Layer 1;	Powdery Materia White, Powdery	I	7%	CHRYSOTILE		ELLULOSE FIBER ON FIBROUS MATERIAL
14-2942	31397533					
Layer 1:	Powdery Material White, Powdery		8%	CHRYSOTILE		ELLULOSE FIBER ON FIRROUS MATERIAL

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Page 3 (Continued)

Cilent Sample	SLI Sample/	Sample Identification/	PLM A	nalysis Results
No.	Layer ID	Layer Name	Asbestos Fibers	Other Materials
15-2942	31397534			
Layer 1:	Flooring Bcige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
16-2942	31397535	···· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·	· · ·	
Layer 1:	Plaster Beige, Granula	r	None Detected	100% NON FIBROUS MATERIAL
17-2942	31397536			
Layer 1:	Plaster Beige, Granula	r	None Detected	100% NON FIBROUS MATERIAL
18-2942	31397537		······································	
Layer 1:	Plaster Beige, Granula		None Detected	100% NON FIBROUS MATERIAL
19-2942	31397538			
Layer 1:	Plaster Beige, Granula		None Detected	100% NON FIBROUS MATERIAL
20-2942	31397539	A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. A CONTRACTACT OF A CONTRACT. A CONTRACTACT OF A CONTRACT. A CONTRACTACT OF A CONTRACT. A CONTRACTACTACTACTACTACTACTACTACTACTACTACTACTA		······································
Layer 1:	Plaster Beige, Granula		None Detected	100% NON FIBROUS MATERIAL
21-2942	31397540			10.1-2-10.00 - 1.10 - 1.10
Layer 1:	Plaster Beige, Granulai		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, I lard		None Detected	100% NON FIBROUS MATERIAL

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Page 4 (Continued)

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

Total Number of Pages in Report: 8

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Page 5 (Continued)

Client	SLI	Sample	DI 88 A	nalysis Re	oute
Sample No.	Sample/ Layer ID	Identification/ Layer Name	Asbestos Fibers		er Materials
30-2942	31397549				
Layer 1:	Ceramic Tile White, Hard		None Detected	100%	NON FIBROUS MATERIAL
Layer 2:	Grout White, Granula		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, Granula	r	None Detected	100%	NON FIBROUS MATERIAL
32-2942	31397551				
Layer 1:	Drywall White, Powder	/	None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compoun White, Granula		None Detected	100%	NON FIBROUS MATERIAL
33-2942	31397552		· · · · · · · · · · · · · · · · · · ·		
Layer 1:	Drywall White, Powder	Y	None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compoun White, Granula		. None Detected	100%	NON FIBROUS MATERIAL
34-2942	31397553				
Layer 1:	Drywall White, Powder	1	None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
Layer 2:	Joint Compoun White, Granula		None Detected	100%	NON FIBROUS MATERIAL
35-2942	31397554	· · · · · · · · · · · · · · · · · · ·			
Layer 1:	Flooring White, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL

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Account - \	Vorkorder 4001-1	2-631 (Continued)			I	Page 6 (Continued)
Client	SLI Semale/	Sample identification/			- ulucia M	ulto
Sample No.	Sampic/ Layer ID	Layer Name		Asbestos Fibers	nalysis Re Oth	er Materials
36 2942	31397555		·			
Layer 1:	Flooring White, Fibrous			None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
37-2942	31397556					
Layer 1:	Flooring White, Fibrous			None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
38-2942	31397557			:		
Layer 1;	Flooring Brown, Fibrous		20%	CHRYSOTILE		CELLULOSE FIBER NON FIBROUS MATERIAL
39-2942	31397558	······································				
Layer 1:	Flooring Beige, Fibrous			None Detected		CELLULOSE FIBER NON FIBROUS MATERIAI
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 Delected	100%	NON FIBROUS MATERIAL
43-2942	31397562					
Layer 1:	Flooring Beige, Fibrous			None Detected		CELLULOSE FIBER 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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- 7 (Continued)

Account - V	Vorkorder 4001-12	2-631 (Continued)		F	Page 7 (Continued)
Client		Sample			
Sample		Identification/		nalysis Ro	esuits Ier Materials
No.	Layer ID	Layer Name	Asbestos Fibers		
Layer 2:	Grout Gray, Granular		None Detected	100%	NON FIBROUS MATERIAL
45-2942	31397564		· ,		
Layer 1:	Flooring Beige, Fibrous		None Detected		CELLULOSE FIBER
46-2942	31397565	<u> </u>			
Layer 1:	Flooring Beige, Fibrous		None Detected	• • • •	CELLULOSE FIBER NON FIBROUS MATERIAL
47-2942	31397566				
Layer 1:	Flooring Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL
48-2942	31397567				
Layer 1:	Ceramic Tile White, Hard		Nona Datected	100%	NON FIBROUS MATERIAL
Layer 2:	Grout Pink, Granular		None Detected	100%	NON FIBROUS MATERIAL
49-2942	31397568		1		
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 Materi Gray, Granular	al	None Detected	100%	NON FIBROUS MATERIAL
51-2942	31397570	100 Carlos 100			
Layer 1:	Flooring Beige, Fibrous		None Detected		CELLULOSE FIBER NON FIBROUS MATERIAL

Him

Analyst:

man HALA A. OSMAN

Reviewed By:

HInd Eldanaf, Microscopy Supervisor

Results relate only to samples as received by the laboratory.

Total Number of Pages in Report: 7

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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.

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