



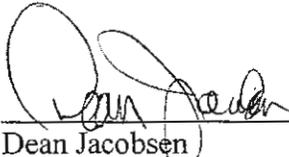
ASBESTOS INSPECTION REPORT
Job Site:

2 Family Dwelling
2815 North 6th 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.: 12-0210.2815
Contract No.: 360-12-0553



Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

October 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2815 North 6th Street, Milwaukee, Wisconsin.

The inspection included texture, plaster, drywall/joint compound, linoleum, flue packing, window glazing compound, tar paper, blown in insulation, ceramic tile, fiberboard, 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 11, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2815 North 6th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2815	1 st floor – front entry – under floor tile – tar paper	Negative	N/A	MPT
2-2815	1 st floor – living room – east window – glazing compound	Positive 2% Chrysotile	26 Windows	MPG
3-2815	2 nd floor – west room – west window – glazing compound	Positive 2% Chrysotile	Reference 2-2815	MPG
4-2815	Basement – south window – glazing compound	Positive 2% Chrysotile	Reference 2-2815	MPG
5-2815	1 st floor – kitchen – ceiling – texture	Negative	N/A	STX
6-2815	1 st floor – dining room – ceiling – texture	Negative	N/A	STX
7-2815	1 st floor – foyer – ceiling – texture	Negative	N/A	STX
8-2815a	2 nd floor – east room – west wall – plaster base coat	Negative	N/A	SP1
8-2815b	2 nd floor – east room – west wall – plaster skim coat	Negative	N/A	SP1
9-2815a	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SP1
9-2815b	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SP1
10-2815a	1 st floor – dining room – south wall – plaster base coat	Negative	N/A	SP1
10-2815b	1 st floor – dining room – south wall – plaster skim coat	Negative	N/A	SP1
11-2815a	1 st floor – northeast bedroom – east wall – plaster base coat	Negative	N/A	SP1
11-2815b	1 st floor – northeast bedroom – east wall – plaster skim coat	Negative	N/A	SP1
12-2815a	1 st floor – living room – north wall – plaster base coat	Negative	N/A	SP1
12-2815b	1 st floor – living room – north wall – plaster skim coat	Negative	N/A	SP1
13-2815	1 st floor – stair – north wall – texture #2	Negative	N/A	STX2
14-2815	1 st floor – stair – north wall – texture #2	Negative	N/A	STX2
15-2815	1 st floor – stair – east wall – texture #2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16-2815	2 nd floor – east room – under floor – blown in insulation	Negative	N/A	MBI
17-2815	2 nd floor – west room – under floor – blown in insulation	Negative	N/A	MBI
18-2815	2 nd floor – west room – under floor – blown in insulation	Negative	N/A	MBI
19-2815	2 nd floor – east room – south wall – texture #3	Negative	N/A	STX3
20-2815	2 nd floor – east room – east wall – texture #3	Negative	N/A	STX3
21-2815	2 nd floor – east room – ceiling – texture #3	Negative	N/A	STX3
22-2815	1 st floor – pantry – under floor tile – red linoleum	Negative	N/A	MFLr
23-2815	2 nd floor – west room – north wall – drywall	Negative	N/A	MDW
24-2815	2 nd floor – west room – ceiling – drywall	Negative	N/A	MDW
25-2815	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
26-2815a	1 st floor – kitchen floor – white ceramic tile	Negative	N/A	MCTMw
26-2815b	1 st floor – kitchen floor – grout	Negative	N/A	MCTMw
27-2815a	1 st floor – kitchen floor – white ceramic tile	Negative	N/A	MCTMw
27-2815b	1 st floor – kitchen floor – grout	Negative	N/A	MCTMw
28-2815a	1 st floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
28-2815b	1 st floor – bathroom floor – grout	Negative	N/A	MCTMw
29-2815	1 st floor – kitchen floor – under ceramic tile – fiberboard	Negative	N/A	MFB
30-2815	1 st floor – kitchen floor – under ceramic tile – fiberboard	Negative	N/A	MFB
31-2815	1 st floor – bathroom floor – under ceramic tile – fiberboard	Negative	N/A	MFB
32-2815	Basement – on chimney top layer – white flue packing	Negative	N/A	TFPw
33-2815	Basement – on chimney bottom layer – gray flue packing	Negative	N/A	TFPy
34-2815	Basement – on boots – duct paper	Positive 65% Chrysotile	6 Sq. Ft.	TDW
35-2815	Quality Assurance/ Quality Control Sample of Sample 1-2815	Negative	N/A	QAQC
36-2815	Quality Assurance/ Quality Control Sample of Sample 22-2815	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	950 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,400 Sq. Ft.
1 st	Pantry	Floor Tile & Mastic	15 Sq. Ft.

Homogeneous Material Codes

STX	Texture
STX2	Texture #2
STX3	Texture #3
SP1	Plaster
MDW	Drywall
MFLr	Red Linoleum

Homogeneous Material Codes

MCTMw	White Ceramic Tile
MPT	Tar Paper
MFB	Fiberboard
MBI	Blown in Insulation
MPG	Window Glazing Compound
TFPy	Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Water Heater 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

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter On Exterior

* 2 Gallons Paint in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

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

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

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

Using SLI A6

ACCOUNT #: 4001-12-771
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED: 10/11/2012
DATE RECEIVED: 10/15/2012
DATE ANALYZED: 10/16/2012
DATE REPORTED: 10/17/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-210.2815
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2815	31649796			
Layer 1:	Fibrous Material Brown/Black, Fibrous/Bituminous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
2-2815	31649797			
Layer 1:	Granular Material Gray/White, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
3-2815	31649798			
Layer 1:	Granular Material Gray/White, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
4-2815	31649799			
Layer 1:	Granular Material Gray/White, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
5-2815	31649800			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-771 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2815	31649801			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
7-2815	31649802			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
8-2815	31649803			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
9-2815	31649804			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
10-2815	31649805			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
11-2815	31649806			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-771 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
12-2815	31649807			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
13-2815	31649808			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
14-2815	31649809			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
15-2815	31649810			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
16-2815	31649811			
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
17-2815	31649812			
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
18-2815	31649813			
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
19-2815	31649814			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
20-2815	31649815			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
21-2815	31649816			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
22-2815	31649817			
Layer 1:	Flooring Brown, Org.Bound/Fibrous		None Detected	40% CELLULOSE FIBER 60% NON FIBROUS MATERIAL
23-2815	31649818			
Layer 1:	Powdery Material White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
24-2815	31649819			
Layer 1:	Powdery Material White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
25-2815	31649820			
Layer 1:	Powdery Material White, Powdery		None Detected	4% CELLULOSE FIBER 96% METAL FOIL
26-2815	31649821			
Layer 1:	Hard Material Beige/Brown, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
27-2815	31649822			
Layer 1:	Hard Material Beige/Brown, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
28-2815	31649823			
Layer 1:	Hard Material Beige/Brown, Hard		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Gray Coat Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
29-2815	31649824			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
30-2815	31649825			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
31-2815	31649826			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
32-2815	31649827			
Layer 1:	Gray Coat Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
33-2815	31649828			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
34-2815	31649829			
Layer 1:	Fibrous Material Beige, Fibrous		65% CHRYSOTILE	35% NON FIBROUS MATERIAL
35-2815	31649830			
Layer 1:	Flooring Beige/Brown, Org.Bound/Fibrous		None Detected	40% CELLULOSE FIBER 60% NON FIBROUS MATERIAL
36-2815	31649831			
Layer 1:	Flooring Brown, Org.Bound/Fibrous		None Detected	40% CELLULOSE FIBER 60% NON FIBROUS MATERIAL

Analyst:

Ali Musa

Reviewed By:

Hind Eldanaf, Microscopy Supervisor

Total Number of Pages in Report: 5

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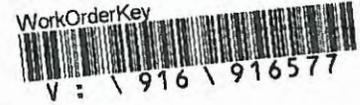
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www.slabin.com

e-mail: info@slabin.com

WO Label:



Submitting Co. Harenda Management Group	Lab Use- WO# 4001-12-771	Phone #
P.O. Box 511305	Acct# 4001	Fax # & E-mail
New Berlin, WI 53151		804-353-4805 djacobsen@harenda.com

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 2815**

PO Number: **WI** State Of Collection

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
1-2815										
2-2815										
3-2815										
4-2815										
5-2815										
6-2815										
7-2815										
8-2815										
9-2815										
10-2815										
11-2815										
12-2815										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>10/11/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
--	---	--



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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

WO Label:

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

Lab Use-WO #
Acct #
4001

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.2815**

PO Number: State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-2815										
14-2815										
15-2815										
16-2815										
17-2815										
18-2815										
19-2815										
20-2815										
21-2815										
22-2815										
23-2815										
24-2815										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE DATE/TIME 10/11/12 17:00	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
--	---	--



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www.slabin.com

e-mail: info@slabin.com

WO Label:

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 2815**

PO Number: State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
25-2815										
26-2815										
27-2815										
28-2815										
29-2815										
30-2815										
31-2815										
32-2815										
33-2815										
34-2815										
35-2815										
36-2815										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>10/11/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: _____
--	---	--

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

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

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**1 Family Dwelling
3057 North 6th 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.: 12-0210.3057

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

August 2012

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III. The Laboratory.....2
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IV. Findings and Observations.....3

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3057 North 6th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 8, 2012, HMG conducted an asbestos inspection of a one family dwelling scheduled for mechanical demolition, located at 3057 North 6th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3057	1 st floor – front entry – south window – window glazing compound	Negative	N/A	MPG
2-3057	Attic – west window – window glazing compound	Negative	N/A	MPG
3-3057	Basement – east window – window glazing compound	Positive 2% Chrysotile	26 Windows	MPG
4-3057	1 st floor – living room – beneath 9”x9” floor tile – tar paper	Negative	N/A	MPT
5-3057	1 st floor – north bedroom – beneath 9”x9” floor tile – tar paper	Negative	N/A	MPT
6-3057	1 st floor – north east bedroom – beneath 9”x9” floor tile – tar paper	Negative	N/A	MPT
7-3057	Attic – west side – red/black linoleum	Negative	N/A	MFLrk
8-3057	1 st floor – pantry – tan linoleum	Negative	N/A	MFLt
9-3057	1 st floor – pantry – on shelves – green/tan linoleum	Negative	N/A	MFLgt
10-3057	1 st floor – pantry – on bottom shelf – gray linoleum	Negative	N/A	MFLy
11-3057	Basement – on chimney – gray flue packing	Negative	N/A	TFPy
12-3057a	Basement stairwell – ceiling – plaster base coat	Negative	N/A	SP1
12-3057b	Basement stairwell – ceiling – plaster skim coat	Negative	N/A	SP1
13-3057a	1 st floor – kitchen – west wall – plaster base coat	Negative	N/A	SP1
13-3057b	1 st floor – kitchen – west wall – plaster skim coat	Negative	N/A	SP1
14-3057a	1 st floor – bathroom – north wall – plaster base coat	Negative	N/A	SP1
14-3057b	1 st floor – bathroom – north wall – plaster skim coat	Negative	N/A	SP1
15-3057a	1 st floor – living room – west wall – plaster base coat	Negative	N/A	SP1
15-3057b	1 st floor – living room – west wall – plaster skim coat	Negative	N/A	SP1
16-3057a	1 st floor – north east bedroom – south wall – plaster base coat	Negative	N/A	SP1
16-3057b	1 st floor – north east bedroom – south wall – plaster skim coat	Negative	N/A	SP1

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17-3057	Attic – on chimney – white flue packing	Negative	N/A	TFPw
18-3057	1 st floor – bathroom – cream/tan linoleum	Negative	N/A	MFLct
19-3057	Quality Assurance/ Quality Control Sample of Sample 4-3057	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	Front Entry/Living Room/North East Bedroom/Kitchen	Floor Tile & Mastic	675 Sq. Ft.

Homogeneous Material Codes

MPG	Window Glazing Compound
MPT	Tar Paper
MFLrk	Red/Black Linoleum
MFLt	Tan Linoleum
MFLgt	Green/Tan Linoleum
MFLy	Gray Linoleum
TFPy	Gray Flue Packing
SP1	Plaster
TFPw	White Flue Packing
MFLct	Cream/Tan Linoleum
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in the Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

- * 1 Propane Tank (grill size) in the Basement
- * 15 One Gallon Cans of Paint & 2 One Gallon Cans of Paint Stripper in the Basement
- * 1 One Gallon Can of Anti-Freeze in the Basement
- * 1 Pint of Brake Fluid, 2 Pints of Carb Cleaner & 2 Cans of Spray Paint in the 1st Floor Kitchen
- * 1 Gas Meter – Exterior

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

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804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475*Over 25 Years of Excellence in Service and Technology*

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

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

Using SLI A6

ACCOUNT #: 4001-12-725
CLIENT: Harena Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 8/9/2012
DATE ANALYZED: 8/9/2012
DATE REPORTED: 8/10/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-021.3057
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-3057	31567582			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
2-3057	31567583			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
3-3057	31567584			
Layer 1:	Granular Material Beige, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
4-3057	31567585			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
5-3057	31567586			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL

Total Number of Pages In Report: 3

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-725 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-3057	31567587			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
7-3057	31567588			
Layer 1:	Flooring Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
8-3057	31567589			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
9-3057	31567590			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
10-3057	31567591			
Layer 1:	Flooring Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
11-3057	31567592			
Layer 1:	Plaster Gray, Granular No Skim Coat Found.		None Detected	100% NON FIBROUS MATERIAL
12-3057	31567593			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
13-3057	31567594			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 3

Results relate only to samples as received by the laboratory.

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Account - Workorder 4001-12-725 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
14-3057	31567595			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
15-3057	31567596			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
16-3057	31567597			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
17-3057	31567598			
Layer 1:	Plaster Gray, Granular No Skim Coat Found.		None Detected	100% NON FIBROUS MATERIAL
18-3057	31567599			
Layer 1:	Flooring Tan, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
19-3057	31567600			
Layer 1:	Flooring Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Mohammed Hashim

Reel Hashim

Analyst: **MOHAMMED B. HASHIM**

Reviewed By: **Reel Hashim, Analyst**

Total Number of Pages in Report: 3

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WO Label:

WorkOrderKey



V: \ 902 \ 902751

Submitting Co. Harendra Management Group	Lab Use- WO # 4001-12-729	Phone # 414-383-4800
P.O. Box 811305	Acct # 4001	Fax # & E-mail 414-383-4805 djacobsen@harendra.com
New Berlin, WI 53151		

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 3057**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Aab ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 193.1.4/B <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	Metals-Total Conc: <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
1-3057										
2-3057										
3-3057										
4-3057										
5-3057										
6-3057										
7-3057										
8-3057										
9-3057										
10-3057										
11-3057										
12-3057										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>8/8/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/>
--	--	---

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

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

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

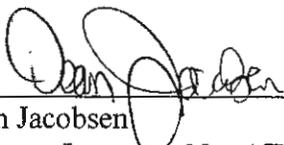
**1 Family Dwelling
3330 North 6th Street
Milwaukee, Wisconsin**

For:

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

HMG Report No.: 12-0210.3330

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

November 2012

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IV. Findings and Observations.....3

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I. INTRODUCTION

Harena 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 3330 North 6th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On October 23, 2012, HMG conducted an asbestos inspection of a one family dwelling and garage scheduled for mechanical demolition, located at 3330 North 6th 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 buildings.
2. Sampling and documentation of observable suspect materials. Category I nonfriable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3330	1 st floor – front entry – under floor tile – tar paper	Negative	N/A	MPT
2-3330	1 st floor – southwest bedroom – under floor tile – tar paper	Negative	N/A	MPT
3-3330	1 st floor – northwest bedroom – under floor tile – tar paper	Negative	N/A	MPT
4-3330	1 st floor – living room - west window – glazing compound	Negative	N/A	MPG
5-3330	2 nd floor – east room - east window – glazing compound	Negative	N/A	MPG
6-3330	Basement - east window – glazing compound	Negative	N/A	MPG
7-3330a	2 nd floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
7-3330b	2 nd floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
8-3330a	1 st floor – pantry – north wall – plaster base coat	Negative	N/A	SPI
8-3330b	1 st floor – pantry – north wall – plaster skim coat	Negative	N/A	SPI
9-3330	1 st floor – northwest bedroom – east wall – plaster	Negative	N/A	SPI
10-3330	1 st floor – southwest bedroom – south wall – plaster	Negative	N/A	SPI
11-3330	1 st floor – living room – north wall – plaster	Negative	N/A	SPI
12-3330a	1 st floor – east bedroom – ceiling – drywall	Negative	N/A	MDW
12-3330b	1 st floor – east bedroom – ceiling – joint compound	Negative	N/A	MDW
13-3330	1 st floor – east bedroom – west wall – drywall	Negative	N/A	MDW
14-3330	1 st floor – east bedroom – east wall – drywall	Negative	N/A	MDW
15-3330	Basement – stair – brown linoleum	Negative	N/A	MFLn
16-3330	Basement – on chimney – flue packing	Negative	N/A	TFP
17-3330	Basement – east side - <5" diameter aircell pipe insulation	Positive 40% Chrysotile	6 Ln. Ft.	TA5
18-3330	Attic – on floor – blown in insulation	Negative	N/A	MBI
19-3330	Attic – on floor – blown in insulation	Negative	N/A	MBI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20-3330	Attic – on floor – blown in insulation	Negative	N/A	MBI
21-3330	Exterior – garage – under asphalt siding – tar paper #2	Negative	N/A	MPT2
22-3330	Quality Assurance/ Quality Control Sample of Sample 1-3330	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	700 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	300 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,300 Sq. Ft.
1 st	Front Entry/Bedroom/ Kitchen/Bathroom/Pantry	Floor Tile & Mastic	670 Sq. Ft.
1 st	Bathroom	Wall Mastic	150 Sq. Ft.
2 nd	Hall/Bedrooms	Floor Tile & Mastic	500 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MPT	Tar Paper
MPT2	Tar Paper #2
MFLn	Brown Linoleum
MBI	Blown in Insulation
MPG	Window Glazing Compound
TFP	Flue Packing
TA5	<5" Diameter Aircell Pipe Insulation
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 removal [REDACTED]

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building 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 industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

OTHER ENVIRONMENTAL ISSUES

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

- * 1 Gas Meter in Basement
- * 1 Quart Motor Oil in Garage

VIII. LABORATORY RESULTS

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

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

Using SLI A6

ACCOUNT #: 4001-12-783
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 10/24/2012
DATE ANALYZED: 10/28/2012
DATE REPORTED: 10/29/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-0210.330
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-3330	31660165			
Layer 1:	Fibrous Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
2-3330	31660166			
Layer 1:	Fibrous Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
3-3330	31660167			
Layer 1:	Fibrous Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
4-3330	31660168			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
5-3330	31660169			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 4

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Account - Workorder 4001-12-783 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-3330	31660170			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
7-3330	31660171			
Layer 1:	Plaster Gray, Granular		None Detected	1% ANIMAL HAIR 99% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
8-3330	31660172			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
9-3330	31660173			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
10-3330	31660174			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
11-3330	31660175			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
12-3330	31660176			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 4

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Account - Workorder 4001-12-783 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
13-3330	31660177			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
14-3330	31660178			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
15-3330	31660179			
Layer 1:	Flooring Brown, Fibrous		None Detected	20% CELLULOSE FIBER 25% SYNTHETIC FIBER 55% NON FIBROUS MATERIAL
16-3330	31660180			
Layer 1:	Brittle Material Gray, Brittle		None Detected	100% NON FIBROUS MATERIAL
17-3330	31660181			
Layer 1:	Fibrous Material Gray, Fibrous		40% CHRYSOTILE	55% CELLULOSE FIBER 5% NON FIBROUS MATERIAL
18-3330	31660182			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
19-3330	31660183			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
20-3330	31660184			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
21-3330	31660185			
Layer 1:	Fibrous Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 25% SYNTHETIC FIBER 20% NON FIBROUS MATERIAL

Total Number of Pages In Report: 4

Results relate only to samples as received by the laboratory.

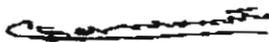
Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-783 (Continued)

Page 4 (Continued)

Client	SLI	Sample	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Sample No.	Sample/ Layer ID	Identification/ Layer Name		
22-3330	31660186			
Layer 1:	Fibrous Material		None Detected	55% CELLULOSE FIBER
	Black, Bituminous/Fibrous			25% SYNTHETIC FIBER
				20% NON FIBROUS MATERIAL



Analyst: **SAMANI ABDELFADEL**



Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 4

Results relate only to samples as received by the laboratory.

Visit www.slabin.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-fragile, 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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e-mail: info@slabinc.com



Submitting Co. Haranda Management Group	Lab Use- WO # 1001-2783	Phone # 414-383-4800
P.O. Box 611306	Acct # 4001	Fax # & E-mail 414-383-4805 djacobsen@haranda.com
New Berlin, WI 53151		

Project Name: **DNS** Special Instructions (include requests for special reporting or data packages):
 Project Location: **DO NOT ANALYZE MASTICS**
 Project Number: **12-0210.3330**
 PO Number: State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg. Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
1-3330										
2-3330										
3-3330										
4-3330										
5-3330										
6-3330										
7-3330										
8-3330										
9-3330										
10-3330										
11-3330										
12-3330										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/23/12 17:00</u>	<input checked="" type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <u>9110</u>
--	--	---



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e-mail: info@slabinc.com

WO Label:

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210, 3330**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dual (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others: _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-3330										
14-3330										
15-3330										
16-3330										
17-3330										
18-3330										
19-3330										
20-3330										
21-3330										
22-3330										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/23/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <u>910</u>
--	--	---

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen

W131s6781 Kipling Dr

Menasha WI 53150-3401

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

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**1 Family Dwelling & Garage
2418 North 9th 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.: 13-0105.2418
Contract No.: 360-13-0745**


Dean Jacobsen
Asbestos Inspector No. AII - 14370

Prepared by:

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

February 2013

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

IV. Findings and Observations.....3

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2418 North 9th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On February 8, 2013, HMG conducted an asbestos inspection of a one family dwelling and garage scheduled for mechanical demolition, located at 2418 North 9th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2418	Exterior – on north wall under aluminum siding – paper insulation	Negative	N/A	MPI
2-2418	Exterior – on east wall under aluminum siding – paper insulation	Negative	N/A	MPI
3-2418	Exterior – on south wall under aluminum siding – paper insulation	Negative	N/A	MPI
4-2418	1 st floor – kitchen floor – west side – tan ceramic tile	Negative	N/A	MCTMt
5-2418	1 st floor – kitchen floor – east side – tan ceramic tile	Negative	N/A	MCTMt
6-2418	1 st floor – bathroom floor – tan ceramic tile	Negative	N/A	MCTMt
7-2418	1 st floor – kitchen floor – west side – grout	Negative	N/A	MCTG
8-2418	1 st floor – kitchen floor – east side – grout	Negative	N/A	MCTG
9-2418	1 st floor – bathroom floor – grout	Negative	N/A	MCTG
10-2418	1 st floor – kitchen floor – west side under ceramic tile – cement board	Negative	N/A	MCB
11-2418	1 st floor – kitchen floor – east side under ceramic tile – cement board	Negative	N/A	MCB
12-2418	1 st floor – bathroom floor – under ceramic tile – cement board	Negative	N/A	MCB
13-2418	1 st floor – bathroom – on walls – blue ceramic tile	Negative	N/A	MCTMb
14-2418	1 st floor – northeast bedroom – east window – glazing compound	Negative	N/A	MPG
15-2418	Attic – west window – glazing compound	Negative	N/A	MPG
16-2418	Basement – south window – glazing compound	Negative	N/A	MPG
17-2418a	Attic – east room – east wall – drywall	Negative	N/A	MDW
17-2418b	Attic – east room – east wall – joint compound	Negative	N/A	MDW
18-2418a	1 st floor – stair – west wall – drywall	Negative	N/A	MDW
18-2418b	1 st floor – stair – west wall – joint compound	Negative	N/A	MDW
19-2418a	1 st floor – kitchen – east wall – drywall	Negative	N/A	MDW
19-2418b	1 st floor – kitchen – east wall – joint compound	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20-2418	1 st floor – stair – north wall – fiberboard	Negative	N/A	MFB
21-2418	1 st floor – northeast bedroom – north wall – fiberboard	Negative	N/A	MFB
22-2418	1 st floor – northeast bedroom – west wall – fiberboard	Negative	N/A	MFB
23-2418	Basement – on stair – tan and gold linoleum	Negative	N/A	MFLtd
24-2418	Basement – on return – duct paper	Positive 60% Chrysotile	2 Sq. Ft.	TDW
25-2418	Basement – on north side of chimney – gray flue packing	Negative	N/A	TFPy
26-2418	Basement – on east side of chimney – white flue packing	Negative	N/A	TFPw
27-2418	1 st floor – pantry – east wall – plaster	Negative	N/A	SPI
28-2418a	1 st floor – dining room – north wall – plaster	Negative	N/A	SPI
28-2418b	1 st floor – dining room – north wall – texture	Negative	N/A	SPI
29-2418a	1 st floor – northwest bedroom – south wall – plaster	Negative	N/A	SPI
29-2418b	1 st floor – northwest bedroom – south wall – texture	Negative	N/A	SPI
30-2418a	1 st floor – foyer – south wall – plaster	Negative	N/A	SPI
30-2418b	1 st floor – foyer – south wall – texture	Negative	N/A	SPI
31-2418a	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
31-2418b	1 st floor – living room – east wall – texture	Negative	N/A	SPI
32-2418	Quality Assurance/ Quality Control Sample of Sample 13-2418	Negative	N/A	QAQC
33-2418	Quality Assurance/ Quality Control Sample of Sample 23-2418	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	1,000 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,600 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	270 Sq. Ft.
1 st	Kitchen/Bathroom/Pantry/Bedrooms/Entry	Floor Tile & Mastic	400 Sq. Ft.
1 st	Bathroom	Wall Mastic	100 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPI	Paper Insulation
MCTMt	Tan Ceramic Tile
MCTMb	Blue Ceramic Tile
MCTG	Grout
MCB	Cement Board
MPG	Window Glazing Compound
MDW	Drywall/Joint Compound
MFB	Fiberboard
MFLtd	Tan & Gold Linoleum
TFPw	White Flue Packing
TFPy	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 duct paper and aircell may be within walls and ceilings. Exploratory demolition required for exact quantity.

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

- N/A Fluorescent Lights

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

- N/A Neon

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

- N/A Old Thermostats

- N/A Aquastats

- N/A Firestats

- N/A Manometers

- N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

- N/A Mercury Flame Sensors by pilot lights

- N/A Manometers, Thermometers, Gauges

- N/A Pressure-trol

- N/A Float or Level Controls

- N/A Space Heaters

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS

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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, EPA 600/M4-82-020

Using SLI A6

ACCOUNT #: 4001-13-848
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 2/11/2013
DATE ANALYZED: 2/14/2013
DATE REPORTED: 2/14/2013

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 13-0105.2418
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2418	31777153			
Layer 1:	Fibrous Material Beige/Silver, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
2-2418	31777154			
Layer 1:	Fibrous Material Beige/Silver, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
3-2418	31777155			
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
4-2418	31777156			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
5-2418	31777157			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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. The EPA states that any asbestos found in vermiculite is a concern and the sample should be treated as asbestos containing material.

Account - Workorder 4001-13-848 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2418	31777158			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
7-2418	31777159			
Layer 1:	Hard Material Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
8-2418	31777160			
Layer 1:	Hard Material Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
9-2418	31777161			
Layer 1:	Hard Material Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
10-2418	31777162			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
11-2418	31777163			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
12-2418	31777164			
Layer 1:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
13-2418	31777165			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
14-2418	31777166			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

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

Account - Workorder 4001-13-848 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
15-2418	31777167			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
16-2418	31777168			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
17-2418	31777169			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
18-2418	31777170			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
19-2418	31777171			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
20-2418	31777172			
Layer 1:	Fibrous Material Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
21-2418	31777173			
Layer 1:	Fibrous Material Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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Account - Workorder 4001-13-848 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
22-2418	31777174			
Layer 1:	Fibrous Material Tan, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
23-2418	31777175			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
24-2418	31777176			
Layer 1:	Insulation Beige, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
25-2418	31777177			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
26-2418	31777178			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
27-2418	31777179			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
28-2418	31777180			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
	Layer 2:	Textured Material White, Granular	None Detected	100% NON FIBROUS MATERIAL
29-2418	31777181			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
	Layer 2:	Textured Material White, Granular	None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

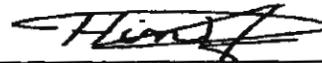
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Account - Workorder 4001-13-848 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
30-2418	31777182			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
31-2418	31777183			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
32-2418	31777184			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
33-2418	31777185			
Layer 1:	Flooring Red/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL


Analyst: **MOHAMMED B. HASHIM**

Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

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e-mail: info@slabinc.com

WO L WorkOrderKey



V : \ 936 \ 936698

Submitting Co. Harenda Management Group	Lab Use-WO# 4001-B-548	Phone #	414-383-4800
P.O. Box 511305	Acct#	Fax # & E-mail	
New Berlin, WI 53151	4001	414-383-4805 djacobsen@harenda.com	

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **13-0105.248**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.11.41.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-248										
2-248										
3-248										
4-248										
5-248										
6-248										
7-248										
8-248										
9-248										
10-248										
11-248										
12-248										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE <i>[Signature]</i> DATE/TIME 2/18/13 17:00	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <i>[Handwritten: 2-11-13]</i>
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e-mail: info@slabinc.com

WO Label:

Submitting Co. Harenda Management Group	Lab Use-WO # 4001-13-848	Phone # Fax # & E-mail	414-383-4800 414-383-4805 djacobsen@harenda.com
P.O. Box 511305	Acct # 4001		
New Berlin, WI 53151			

Project Name: DNS	Special Instructions [include requests for special reporting or data packages]
Project Location:	DO NOT ANALYZE MASTICS
Project Number: 13-0105.2418	
PO Number:	State Of Collection WI

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.11.4/1.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Voi
						Start	Stop	Start	Stop	
13-2418										
14-2418										
15-2418										
16-2418										
17-2418										
18-2418										
19-2418										
20-2418										
21-2418										
22-2418										
23-2418										
24-2418										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>2/8/13 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/> Sample return requested <input type="checkbox"/> Ambient temp <input type="checkbox"/> Ice °C pH Cl <input type="checkbox"/> R <input type="checkbox"/> X
--	---	---

Chain of Custody documentation continues internally within lab/clients and conditions page 2.

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By:

STATE OF WISCONSIN

Dept. of Health Services

Dean J. Jacobsen

WI3486781 - Kaping Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
AIL-14370	Exp. 12/01/2013	12/12/1963	Male

Training due by: 12/01/2013



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling & Garage
2225-27 North 44th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.2225
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

November 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2225-27 North 44th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, duct paper, linoleum, window glazing compound, drywall, and flue packing and 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 November 4, 2013, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for mechanical demolition, located at 2225-27 North 44th Street, 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 assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2225	2 nd floor – west bedroom – north wall – plaster	Negative	N/A	SPI
2-2225	2 nd floor – hall closet – south wall – plaster	Negative	N/A	SPI
3-2225	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
4-2225	Attic – stair – west wall – plaster	Negative	N/A	SPI
5-2225	Basement – stair – ceiling – plaster	Negative	N/A	SPI
6-2225	Basement – on boilers and ducts – duct paper	Positive 70% Chrysotile	275 Sq. Ft.	TDW
7-2225	1 st floor – living room – on wall vent – duct paper	Positive 65% Chrysotile	Reference 6-2225	TDW
8-2225	1 st floor – dining room – on wall vent – duct paper	Positive 70% Chrysotile	Reference 6-2225	TDW
9-2225	1 st floor – rear hall – south window – glazing compound	Negative	N/A	MPG
10-2225	2 nd floor – living room – east window – glazing compound	Trace <1% Chrysotile	N/A	MPG
11-2225	Attic – east window – glazing compound	Positive 2% Chrysotile	44 Windows	MPG
12-2225	1 st floor – west bedroom – north wall – texture	Negative	N/A	STX
13-2225	1 st floor – front entry – ceiling – texture	Negative	N/A	STX
14-2225	1 st floor – dining room – south wall – texture	Negative	N/A	STX
15-2225	1 st floor – west bedroom closet – yellow and green linoleum	Negative	N/A	MFLlg
16-2225	1 st floor - bathroom – cream and black linoleum	Negative	N/A	MFLck
17-2225	2 nd floor – bathroom – under floor tile – fiberboard	Negative	N/A	MFB
18-2225	2 nd floor – kitchen – under floor tile – fiberboard	Negative	N/A	MFB
19-2225	2 nd floor – kitchen – under floor tile – fiberboard	Negative	N/A	MFB
20-2225	2 nd floor – living room – south wall – drywall	Negative	N/A	MDW
21-2225	Garage – interior – south wall – drywall #2	Negative	N/A	MDW2
22-2225	Garage – interior – ceiling – drywall #2	Negative	N/A	MDW2
23-2225	Garage – interior – east wall – drywall #2	Negative	N/A	MDW2
24-2225	Attic – east side – green and cream linoleum	Negative	N/A	MFLgc
25-2225	Basement – on chimney – flue packing	Negative	N/A	TFP

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 st	Kitchen/Bathroom/Hall	Floor Tile & Mastics	120 Sq. Ft.
2 nd	Bathroom/Kitchen	Floor Tile & Mastics	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall
MDW2	Drywall Garage
MFLlg	Yellow & Green Linoleum
MFLck	Cream & Black Linoleum
MFLgc	Green & Cream Linoleum
MFB	Fiberboard
MPG	Glazing Compound
TFP	Flue Packing

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

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS - 2 Breaker Boxes & 2 Electric Meters in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>1</u>	Oil Tanks – Basement
<u>N/A</u>	Well Abandonment
<u>10</u>	Junk Auto Tires – Garage
<u>N/A</u>	Junk Vehicles

* 2 Gas Meters on Exterior

* 1 Gallon Ammonia & Bleach in 2nd Floor Dining Room

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 228921	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 11/07/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 11/12/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2225

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2225	Homogeneous	White Plaster	Asbestos Not Present	Cellulose <1 Wollastonite <1 Glass Fiber <1 Hair 2	Sand CaCO3 Paint
002	2-2225	Homogeneous	White Plaster	Asbestos Not Present	Cellulose <1 Glass Fiber <1 Hair 2	Sand CaCO3 Paint
003	3-2225	Homogeneous	White Plaster	Asbestos Not Present	Cellulose <1 Glass Fiber <1 Hair 2	Sand CaCO3 Paint
004	4-2225	Homogeneous	White Plaster	Asbestos Not Present	Cellulose <1 Hair 2	Sand CaCO3 Paint
005	5-2225	Homogeneous	White Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2 Hair 2	Sand CaCO3 Paint
006	6-2225	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 228921	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 11/07/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 11/12/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2225

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7-2225	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 10	Binder
008	8-2225	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder
009	9-2225	Homogeneous	Black Window Glazing	Asbestos Not Present	NA	CaCO3
010	10-2225	Homogeneous	White Window Glazing	Asbestos Present Chrysotile <1	Talc 2	CaCO3
011	11-2225	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	Cellulose 2	CaCO3
012	12-2225	Homogeneous	Purple/Yellow Texture	Asbestos Not Present	NA	CaCO3 Perlite Binder
013	13-2225	Homogeneous	Purple/Yellow Texture	Asbestos Not Present	NA	CaCO3 Binder

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 228921	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 11/07/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 11/12/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2225

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-2225	Homogeneous	Purple/Yellow Texture	Asbestos Not Present	NA	CaCO3 Binder
015	15-2225	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
016	16-2225	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 10	Vinyl Binder
017	17-2225	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
018	18-2225	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
019	19-2225	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
020	20-2225	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum

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

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

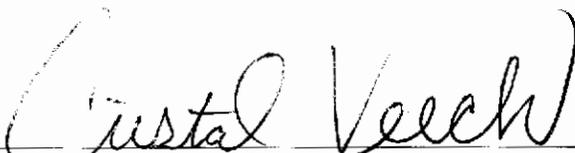


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 228921 Client: Harenda Management Group
Account Number: B929 Jolene Harenda
Date Received: 11/07/2013 1237 West Bruce St.
Received By: Joanna Mueller Milwaukee, WI 53204
Date Analyzed: 11/12/2013 Project: DNS
Analyzed By: Cristal Veech Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116 Project Number: 13-2000-068.2225

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21-2225	Homogeneous	White Sheetrock Vinyl	Asbestos Not Present	Cellulose 10	Gypsum
022	22-2225	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
023	23-2225	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
024	24-2225	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
025	25-2225	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3


Cristal Veech, Analyst

11/12/2013
Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>228921</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-068.2225	
SAMPLED BY: Name:	Date:	P.O. Number:	

Report Results (<input checked="" type="checkbox"/> one box)	
<input type="checkbox"/> QuanTEM Website	
<input checked="" type="checkbox"/> Other <u>email</u>	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	11/5/13 1700	FedEx	<i>J. Mueller</i>	11/7/13 9:20

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	To	Description	Volume / Area	Comments / Notes
1	1-2225	<input checked="" type="checkbox"/>		
2	2-2225	<input type="checkbox"/>		
3	3-2225	<input type="checkbox"/>		
4	4-2225	<input type="checkbox"/>		
5	5-2225	<input type="checkbox"/>		
6	6-2225	<input type="checkbox"/>		
7	7-2225	<input type="checkbox"/>		
8	8-2225	<input type="checkbox"/>		
9	9-2225	<input type="checkbox"/>		
10	10-2225	<input checked="" type="checkbox"/>		



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	228921
Accept	Reject

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

#	Sample ID	Status	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2225	<input checked="" type="checkbox"/>			
12	12-2225	<input type="checkbox"/>			
13	13-2225	<input type="checkbox"/>			
14	14-2225	<input type="checkbox"/>			
15	15-2225	<input type="checkbox"/>			
16	16-2225	<input type="checkbox"/>			
17	17-2225	<input type="checkbox"/>			
18	18-2225	<input type="checkbox"/>			
19	19-2225	<input type="checkbox"/>			
20	20-2225	<input type="checkbox"/>			
21	21-2225	<input type="checkbox"/>			
22	22-2225	<input type="checkbox"/>			
23	23-2225	<input type="checkbox"/>			
24	24-2225	<input type="checkbox"/>			
25	25-2225	<input checked="" type="checkbox"/>			
26	26	<input type="checkbox"/>			
27		<input type="checkbox"/>			
28		<input type="checkbox"/>			
29		<input type="checkbox"/>			
30		<input type="checkbox"/>			

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**2 Family Dwelling
3224 North Achilles 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.: 12-0210.3224
Contract No.: 360-12-0553**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

March 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3224 North Achilles Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On March 21, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 3224 North Achilles Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3224	Exterior – north wall under shingle siding – tar paper	Negative	N/A	MPT
2-3224	Exterior – south wall under shingle siding – tar paper	Negative	N/A	MPT
3-3224	Exterior – east wall under shingle siding – tar paper	Negative	N/A	MPT
4-3224a	2 nd floor – kitchen floor – west side – pink and white ceramic tile/mortar	Negative	N/A	MCTMpw
4-3224b	2 nd floor – kitchen floor – west side – grout	Negative	N/A	MCTMpw
5-3224a	2 nd floor – kitchen floor – north side – pink and white ceramic tile/mortar	Negative	N/A	MCTMpw
5-3224b	2 nd floor – kitchen floor – north side – grout	Negative	N/A	MCTMpw
6-3224a	2 nd floor – kitchen floor – east side – pink and white ceramic tile/mortar	Negative	N/A	MCTMpw
6-3224b	2 nd floor – kitchen floor – east side – grout	Negative	N/A	MCTMpw
7-3224a	2 nd floor – northwest bedroom – west wall – drywall	Negative	N/A	MDW
7-3224b	2 nd floor – northwest bedroom – west wall – joint compound	Negative	N/A	MDW
8-3224a	2 nd floor – kitchen – north wall – drywall	Negative	N/A	MDW
8-3224b	2 nd floor – kitchen – north wall – joint compound	Negative	N/A	MDW
9-3224a	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
9-3224b	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
10-3224a	2 nd floor – bathroom – on walls – pink ceramic tile	Negative	N/A	MCTMp
10-3224b	2 nd floor – bathroom – on walls – grout	Negative	N/A	MCTMp
11-3224a	2 nd floor – kitchen – on west wall – white and gray ceramic tile	Negative	N/A	MCTMwy
11-3224b	2 nd floor – kitchen – on west wall – grout	Negative	N/A	MCTMwy
12-3224	Attic – on floor – blown in insulation	Negative	N/A	MBI
13-3224	Attic – on floor – blown in insulation	Negative	N/A	MBI
14-3224	Attic – on floor – blown in insulation	Negative	N/A	MBI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15-3224	Attic – on exterior of vertical tank against chimney – gray insulation	Positive 3% Chrysotile	24 Sq. Ft.	TTE
16-3224	Basement – on south side of chimney – top layer – light gray flue packing	Negative	N/A	TFPyLight
17-3224	Basement – on south side of chimney – bottom layer – gray flue packing	Negative	N/A	TFPy
18-3224	Basement – on west side of chimney – bottom layer – white flue packing	Positive 3% Chrysotile	1 Sq. Ft.	TFPw
19-3224a	1 st floor – kitchen floor – west side – beige ceramic tile/mortar	Negative	N/A	MCTMe
19-3224b	1 st floor – kitchen floor – west side – grout	Negative	N/A	MCTMe
20-3224a	1 st floor – kitchen floor – center – beige ceramic tile/mortar	Negative	N/A	MCTMe
20-3224b	1 st floor – kitchen floor – center – grout	Negative	N/A	MCTMe
21-3224a	1 st floor – kitchen floor – east side – beige ceramic tile/mortar	Negative	N/A	MCTMe
21-3224b	1 st floor – kitchen floor – east side – grout	Negative	N/A	MCTMe
22-3224	2 nd floor – kitchen floor – west side under ceramic tile – fiberboard	Negative	N/A	MFB
23-3224	2 nd floor – kitchen floor – center under ceramic tile – fiberboard	Negative	N/A	MFB
24-3224	2 nd floor – kitchen floor – east side under ceramic tile – fiberboard	Negative	N/A	MFB
25-3224a	1 st floor – front entry – north wall – plaster base coat	Negative	N/A	SPI
25-3224b	1 st floor – front entry – north wall – texture	Negative	N/A	STX
26-3224a	1 st floor – front entry – west wall – plaster base coat	Negative	N/A	SPI
26-3224b	1 st floor – front entry – west wall – texture	Negative	N/A	STX
27-3224a	1 st floor – front entry – south wall – plaster base coat	Negative	N/A	SPI
27-3224b	1 st floor – front entry – south wall – texture	Negative	N/A	STX
28-3224	1 st floor – northeast bedroom – north wall – texture #2	Negative	N/A	STX2
29-3224	1 st floor – northwest bedroom – south wall – texture #2	Negative	N/A	STX2
30-3224	1 st floor – living room – east wall – texture #2	Negative	N/A	STX2
31-3224a	1 st floor – kitchen – north wall – plaster #2	Negative	N/A	SPI2
31-3224b	1 st floor – kitchen – north wall – drywall	Negative	N/A	SPI2
31-3224c	1 st floor – kitchen – north wall – joint compound	Negative	N/A	SPI2
32-3224a	1 st floor – kitchen – east wall – plaster #2	Negative	N/A	SPI2
32-3224b	1 st floor – kitchen – east wall – drywall	Negative	N/A	SPI2
32-3224c	1 st floor – kitchen – east wall – joint compound	Negative	N/A	SPI2
33-3224a	1 st floor – living room – south wall – plaster #2	Negative	N/A	SPI2
33-3224b	1 st floor – living room – south wall – drywall	Negative	N/A	SPI2
33-3224c	1 st floor – living room – south wall – joint compound	Negative	N/A	SPI2
34-3224	1 st floor – bathroom – tub wall – white ceramic tile	Negative	N/A	MCTMw
35-3224a	1 st floor – bathroom floor – cream ceramic tile/mortar	Negative	N/A	MCTMc

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
35-3224b	1 st floor – bathroom floor – grout	Negative	N/A	MCTMc
36-3224	1 st floor – living room – under floor tile – tar paper #2	Negative	N/A	MPT2
37-3224	Quality Assurance/ Quality Control Sample of Sample 15-3224	Positive 4% Chrysotile	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	2,000 Sq. Ft.
1 st	Kitchen/Living Room	Floor Tile & Mastic	350 Sq. Ft.
1 st	Bathroom	Wall Mastic	60 Sq. Ft.
2 nd	Bathroom/Kitchen	Wall Mastic	150 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
STX	Texture
STX2	Texture #2
MPT	Tar Paper
MPT2	Tar Paper #2
MCTMpw	Pink & White Ceramic Tile
MCTMp	Pink Ceramic Tile
MCTMwy	White & Gray Ceramic Tile
MCTMe	Beige Ceramic Tile
MCTMw	White Ceramic Tile
MCTMc	Cream Ceramic Tile
MBI	Blown in Insulation
MDW	Drywall/Joint Compound
MFB	Fiberboard
TFPy	Gray Flue Packing
TFPyLight	Light Gray Flue Packing
TFPw	White Flue Packing
TTE	Exterior Tank Insulation
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Electric Meters & 2 Breaker Boxes in the Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters on Exterior

VIII. LABORATORY RESULTS

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AIHA/ELLAP 100627, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

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

Using SLI A6

ACCOUNT #: 4001-12-629
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 3/22/2012
DATE ANALYZED: 3/26/2012
DATE REPORTED: 3/27/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-0210.3224
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-3224	31397390			
Layer 1:	Roofing Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
2-3224	31397391			
Layer 1:	Roofing Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
3-3224	31397392			
Layer 1:	Roofing Material Black, Bituminous/Fibrous		None Detected	55% CELLULOSE FIBER 35% SYNTHETIC FIBER 10% NON FIBROUS MATERIAL
4-3224	31397393			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-629 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
5-3224	31397394			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
6-3224	31397395			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
7-3224	31397396			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
8-3224	31397397			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
9-3224	31397398			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
10-3224	31397399			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Account - Workorder 4001-12-629 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
	Layer 2:	Grout White, Granular	None Detected	100% NON FIBROUS MATERIAL
11-3224	31397400			
	Layer 1:	Ceramic Tile Beige, Hard	None Detected	100% NON FIBROUS MATERIAL
	Layer 2:	Grout White, Granular	None Detected	100% NON FIBROUS MATERIAL
12-3224	31397401			
	Layer 1:	Fibrous Material Gray, Fibrous	None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
13-3224	31397402			
	Layer 1:	Fibrous Material Gray, Fibrous	None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
14-3224	31397403			
	Layer 1:	Fibrous Material Gray, Fibrous	None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
15-3224	31397404			
	Layer 1:	Powdery Material Gray, Powdery	3% CHRYSOTILE	7% CELLULOSE FIBER 90% NON FIBROUS MATERIAL
16-3224	31397405			
	Layer 1:	Granular Material Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
17-3224	31397406			
	Layer 1:	Granular Material Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
18-3224	31397407			
	Layer 1:	Granular Material Gray, Granular	3% CHRYSOTILE	5% MINERAL/GLASS WOOL 92% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Account - Workorder 4001-12-629 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
19-3224	31397408			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
20-3224	31397409			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
21-3224	31397410			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
22-3224	31397411			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	75% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
23-3224	31397412			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	75% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
24-3224	31397413			
Layer 1:	Powdery Material Gray, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
25-3224	31397414			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Account - Workorder 4001-12-629 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
26-3224	31397415			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
27-3224	31397416			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
28-3224	31397417			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
29-3224	31397418			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
30-3224	31397419			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
31-3224	31397420			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 3:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Account - Workorder 4001-12-629 (Continued)

Page 6 (Continued)

Client Sample No.	SLJ Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
32-3224	31397421			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Drywall White, Powdery		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
Layer 3:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
33-3224	31397422			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Drywall White, Powdery		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
Layer 3:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
34-3224	31397423			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
35-3224	31397424			
Layer 1:	Ceramic Tile Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
36-3224	31397425			
Layer 1:	Flooring Brown, Fibrous		None Detected	25% CELLULOSE FIBER 30% SYNTHETIC FIBER 45% NON FIBROUS MATERIAL
37-3224	31397426			
Layer 1:	Powdery Material Gray, Powdery		4% CHRYSOTILE	10% CELLULOSE FIBER 80% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Account - Workorder 4001-12-629 (Continued)

Page 7 (Continued)

Client	SLI	Sample	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Sample No.	Sample/ Layer ID	Identification/ Layer Name		
38-3224	31397427			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL

Analyst: **SAMANI ABDELFADEL**

Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 7

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WorkOrderKey



Submitting Co. Harenda Management Group	Lab Use- WO# 4001-12-629	Phone # 414-383-4800
P.O. Box 511305	Acct# 4001	Fax # & E-mail 414-383-4805 djacobsen@harenda.com
New Berlin, WI 53151		

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210-3224**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-matrix & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aquaria <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198, 11, 4, 6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/>	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> <input type="checkbox"/> Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, B, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-3224										
2-3224										
3-3224										
4-3224										
5-3224										
6-3224										
7-3224										
8-3224										
9-3224										
10-3224										
11-3224										
12-3224										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>3/21/12 17:00</u>
--	---

RECEIVED
 MAR 22 2012
 BY: UR 10:30
 WB: 6756



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WO Label:

Submitting Co. Haranda Management Group	Lab Use- WO #	Phone # Fax # & E-mail
P.O. Box 514305	Acct #	414-383-4800 414-383-4805 djacobsen@haranda.com
New Berlin, WI 53151	4001	

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 3224**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Asbestos Air / Fiber Counts	Asbestos Bulk / Asb:ID	Metals - Total Conc.
<input type="checkbox"/> 2 hours*	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	<input type="checkbox"/> PCM (NIOSH 7400)	<input checked="" type="checkbox"/> PLM (EPA 600, 1982)	<input type="checkbox"/> Lead
<input type="checkbox"/> Same day*		<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> RCRA Metals
<input type="checkbox"/> 1 business day*		<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> PLM (Qualitative only)	
<input type="checkbox"/> 2 business day*			<input type="checkbox"/> NYELAP 198.1/4/8	
<input checked="" type="checkbox"/> 3 business days*			<input type="checkbox"/> Miscellaneous Tests	<input type="checkbox"/> Metals-Extract
<input type="checkbox"/> 5 business days*			<input type="checkbox"/> Total Dust (NIOSH 0500)	<input type="checkbox"/> TCLP / Lead
<input type="checkbox"/> Full TCLP (10d)			<input type="checkbox"/> Resp. Dust (NIOSH 0500)	<input type="checkbox"/> TCLP / RCRA Metals
<input type="checkbox"/> Weekend*			<input type="checkbox"/> Silica - FTIR (NIOSH 7602)	<input type="checkbox"/> TCLP / Full (w/ organics)
* not available for all tests			<input type="checkbox"/> Silica - XRD (NIOSH 7500)	<input type="checkbox"/> Others
Schedule rush organics, multi-metals & weekend tests in advance.				

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, B, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-3224										
14-3224										
15-3224										
16-3224										
17-3224										
18-3224										
19-3224										
20-3224										
21-3224										
22-3224										
23-3224										
24-3224										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>3/21/12 17:00</u>	<input checked="" type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <u>67516</u>
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WO Label:

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.3224**

PO Number: State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aquatics <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> HI-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> HI-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/8 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A, B, P, E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
25-3224										
26-3224										
27-3224										
28-3224										
29-3224										
30-3224										
31-3224										
32-3224										
33-3224										
34-3224										
35-3224										
36-3224										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>3/21/12 17:00</u>	 <u>10:39</u> WB: <u>6756</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB <input type="checkbox"/> _____
--	---	-------------------------------------	---

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean Y. Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

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

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
212 East Hadley 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.: 11-0209.212
Contract No.: 360-11-0553**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

March 2011

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 212 East Hadley Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On February 28, 2011, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 212 East Hadley Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-212	1 st floor – exterior – south wall – transite siding	Positive 15% Chrysotile	2,200 Sq. Ft.	MTP
2-212	1 st floor – exterior – west wall – transite siding	Positive 15% Chrysotile	Reference 1-212	MTP
3-212	1 st floor – exterior – north wall – transite siding	Positive 15% Chrysotile	Reference 1-212	MTP
4-212	1 st floor – exterior – south wall – under transite siding – paper insulation	Negative	N/A	MPI
5-212	1 st floor – exterior – west wall – under transite siding – paper insulation	Negative	N/A	MPI
6-212	1 st floor – exterior – north wall – under transite siding – paper insulation	Negative	N/A	MPI
7-212	Basement – patch on north wall – stucco	Negative	N/A	STC
8-212a	2 nd floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
8-212b	2 nd floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
9-212a	2 nd floor – southeast bedroom closet – west wall – plaster base coat	Negative	N/A	SPI
9-212b	2 nd floor – southeast bedroom closet – west wall – plaster skim coat	Negative	N/A	SPI
10-212a	2 nd floor – stair – north wall – plaster base coat	Negative	N/A	SPI
10-212b	2 nd floor – stair – north wall – plaster skim coat	Negative	N/A	SPI
11-212a	1 st floor – pantry – north wall – plaster base coat	Negative	N/A	SPI
11-212b	1 st floor – pantry – north wall – plaster skim coat	Negative	N/A	SPI
12-212a	1 st floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
12-212b	1 st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
13-212	2 nd floor – kitchen – west side – under floor tile and plywood – gray and red linoleum	Positive 20% Chrysotile	140 Sq. Ft.	MFLyr
14-212	2 nd floor – kitchen – east side – under 2 layers floor tile and plywood – beige linoleum	Positive 20% Chrysotile	50 Sq. Ft.	MFLe

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15-212	2 nd floor – southeast bedroom closet – gray linoleum	Negative	N/A	MFLy
16-212a	2 nd floor – kitchen – west wall – drywall	Negative	N/A	MDW
16-212b	2 nd floor – kitchen – west wall – joint compound	Negative	N/A	MDW
17-212a	1 st floor – living room – north wall – drywall	Negative	N/A	MDW
17-212b	2 nd floor – living room – north wall – joint compound	Negative	N/A	MDW
18-212a	1 st floor – dining room – west wall – drywall	Negative	N/A	MDW
18-212b	2 nd floor – dining room – west wall – joint compound	Negative	N/A	MDW
19-212	2 nd floor – dining room – ceiling – plaster #2	Negative	N/A	SPI2
20-212	2 nd floor – dining room – south wall – plaster #2	Negative	N/A	SPI2
21-212	2 nd floor – living room – ceiling – plaster #2	Negative	N/A	SPI2
22-212	2 nd floor – living room – west wall – texture coat	Negative	N/A	STX
23-212	2 nd floor – living room – south wall – texture coat	Negative	N/A	STX
24-212	2 nd floor – living room – east wall – texture coat	Negative	N/A	STX
25-212a	2 nd floor – bathroom – south wall – plaster #3 base coat	Negative	N/A	SPI3
25-212b	2 nd floor – bathroom – south wall – plaster #3 skim coat	Negative	N/A	SPI3
26-212a	2 nd floor – southeast bedroom – east wall – plaster #3 base coat	Negative	N/A	SPI3
26-212b	2 nd floor – southeast bedroom – east wall – plaster #3 skim coat	Negative	N/A	SPI3
27-212a	2 nd floor – southeast bedroom – north wall – plaster #3 base coat	Negative	N/A	SPI3
27-212b	2 nd floor – southeast bedroom – north wall – plaster #3 skim coat	Negative	N/A	SPI3
28-212	2 nd floor – kitchen floor – 6 th layer – tar paper	Negative	N/A	MPT
29-212	2 nd floor – southeast bedroom closet floor – 3 rd layer – tar paper	Negative	N/A	MPT
30-212	1 st floor – dining room – under carpet – tar paper	Negative	N/A	MPT
31-212a	2 nd floor – bathroom – on tub wall – white ceramic tile	Negative	N/A	MCTMw
31-212b	2 nd floor – bathroom – on tub wall – grout	Negative	N/A	MCTMw
32-212	2 nd floor – bathroom – under ceramic tile – concrete board	Negative	N/A	MCB
33-212	Attic – south side under floor – blown in insulation	Negative	N/A	MBI
34-212	Attic – center under floor – blown in insulation	Negative	N/A	MBI
35-212	Attic – north side under floor – blown in insulation	Negative	N/A	MBI
36-212	Attic – north window – glazing compound	Negative	N/A	MPG
37-212	Basement – on chimney – flue packing	Negative	N/A	TFP
38-212	1 st floor – front entry – under carpet – yellow linoleum	Positive 20% Chrysotile	60 Sq. Ft.	MFLI
40-212	1 st floor – southeast bedroom – under carpet – white linoleum	Positive 20% Chrysotile	90 Sq. Ft.	MFLw
41-212	1 st floor – bathroom – cream and tan linoleum	Positive 20% Chrysotile	35 Sq. Ft.	MFLct
42-212	1 st floor – kitchen – ceiling south side – texture coat #2	Negative	N/A	STX2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
43-212	1 st floor – kitchen – ceiling north side – texture coat #2	Negative	N/A	STX2
44-212	1 st floor – bathroom – ceiling – texture coat #2	Negative	N/A	STX2
45-212	Quality Assurance/Quality Control Sample of 7-212	Negative	N/A	QAQC
46-212	Quality Assurance/Quality Control Sample of 13-212	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	700 Sq. Ft.
1 st / 2 nd	Dwelling	Asphalt Shingle Siding (Under Transite)	2,200 Sq. Ft.
1 st	Kitchen/Stair/Pantry/Dining Room	Floor Tile & Mastic	500 Sq. Ft.
1 st	Bathroom/Front Entry/Bedrooms	Floor & Wall Mastic	270 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Tile & Mastic	250 Sq. Ft.
2 nd	Bathroom/Bedroom	Floor & Wall Mastic	60 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
SPI3	Plaster #3
STX	Texture Coat
STX2	Texture Coat #2
STC	Stucco
MDW	Drywall/Joint Compound
MTP	Transite
MPI	Paper Insulation
MFLyr	Gray & Red Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLl	Yellow Linoleum
MFLet	Beige & Tan Linoleum
MFLw	White Linoleum
MFLct	Cream & Tan Linoleum
MCTMw	White Ceramic Tile
MPT	Tar Paper
MCB	Concrete Board
MBI	Blown in Insulation
MPG	Window Glazing Compound
TFP	Flue Packing
QA/QC	Quality Assurance/Quality Control Sample

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

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

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

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters in Basement

* 1 Gallon Paint in Attic

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

Excellence in Service and Technology

AIHA/ELLAP 100527, NVLAP 101150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

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

Using SLI A6

ACCOUNT #: 4001-11-336
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 3/1/2011
DATE ANALYZED: 3/6/2011
DATE REPORTED: 3/7/2011

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 11-0208.212
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-212	30922737			
Layer 1:	Transite Green, Fibrous		15% CHRYSOTILE	85% NON FIBROUS MATERIAL
2-212	30922738			
Layer 1:	Transite Green, Hard		15% CHRYSOTILE	85% NON FIBROUS MATERIAL
3-212	30922739			
Layer 1:	Transite Green, Hard		15% CHRYSOTILE	85% NON FIBROUS MATERIAL
4-212	30922740			
Layer 1:	Paper Silver, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
5-212	30922741			
Layer 1:	Paper Silver, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-212	30922742			
Layer 1:	Paper Silver, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
7-212	30922743			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
8-212	30922744			
Layer 1:	Plaster Gray, Granular		None Detected	1% ANIMAL HAIR 99% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
9-212	30922745			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
10-212	30922746			
Layer 1:	Plaster Gray, Granular		None Detected	<1% ANIMAL HAIR 100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
11-212	30922747			
Layer 1:	Plaster Gray, Granular		None Detected	1% ANIMAL HAIR 99% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
12-212	30922748			
Layer 1:	Plaster Gray, Granular		None Detected	1% ANIMAL HAIR 99% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
13-212	30922749			
Layer 1:	Flooring Yellow, Fibrous		20% CHRYSOTILE	25% CELLULOSE FIBER 55% NON FIBROUS MATERIAL
14-212	30922750			
Layer 1:	Flooring Yellow, Fibrous		20% CHRYSOTILE	25% CELLULOSE FIBER 55% NON FIBROUS MATERIAL
15-212	30922751			
Layer 1:	Flooring Tan, Fibrous		None Detected	40% CELLULOSE FIBER 60% NON FIBROUS MATERIAL
16-212	30922752			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
17-212	30922753			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Skim Coat mw, Granular		None Detected	100% NON FIBROUS MATERIAL
18-212	30922754			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
19-212	30922755			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
20-212	30922756			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
21-212	30922757			
Layer 1:	Granular Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
22-212	30922758			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
23-212	30922759			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
24-212	30922760			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
25-212	30922761			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
26-212	30922762			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

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

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
27-212	30922763			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
28-212	30922764			
Layer 1:	Flooring Tan, Fibrous		None Detected	25% CELLULOSE FIBER 20% SYNTHETIC FIBER 55% NON FIBROUS MATERIAL
29-212	30922765			
Layer 1:	Flooring Brown, Fibrous		None Detected	25% CELLULOSE FIBER 20% SYNTHETIC FIBER 55% NON FIBROUS MATERIAL
30-212	30922766			
Layer 1:	Flooring Brown, Fibrous		None Detected	25% CELLULOSE FIBER 20% SYNTHETIC FIBER 55% NON FIBROUS MATERIAL
31-212	30922767			
Layer 1:	Ceramic Tile White, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White, Granular		None Detected	100% NON FIBROUS MATERIAL
32-212	30922768			
Layer 1:	Granular Material Gray, Granular		None Detected	5% MINERAL/GLASS WOOL 95% NON FIBROUS MATERIAL
33-212	30922769			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

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

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
34-212	30922770			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
35-212	30922771			
Layer 1:	Fibrous Material Gray, Fibrous		None Detected	90% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
36-212	30922772			
Layer 1:	Granular Material Tan, Granular		None Detected	100% NON FIBROUS MATERIAL
37-212	30922773			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
38-212	30922774			
Layer 1:	Flooring Green, Fibrous		20% CHRYSOTILE	25% CELLULOSE FIBER 55% NON FIBROUS MATERIAL
40-212	30922775			
Layer 1:	Flooring Green, Fibrous		20% CHRYSOTILE	25% CELLULOSE FIBER 55% NON FIBROUS MATERIAL
41-212	30922776			
Layer 1:	Flooring Yellow, Fibrous		20% CHRYSOTILE	25% CELLULOSE FIBER 55% NON FIBROUS MATERIAL
42-212	30922777			
Layer 1:	Flooring Cream, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
43-212	30922778			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL

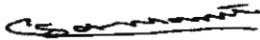
Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

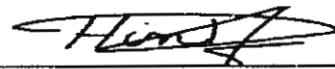
Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation 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.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
44-212	30922779			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
45-212	30922780			
Layer 1:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
46-212	30922781			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
47-212	30922782			
Layer 1:	Flooring Brown, Fibrous		None Detected	40% CELLULOSE FIBER 60% NON FIBROUS MATERIAL



Analyst:

SAMANI ABDEFDIESEL



Reviewed By:

Hind Eldanaf, Microscopy Supervisor

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

Visit www.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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WO# WorkOrderKey

 V: 17971797861

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

Project Name: **DNS** Special Instructions (include requests for special reporting or data packages)
 Project Location: _____ DO NOT ANALYZE MASTICS
 Project Number: **11-0209. 212**
 PO Number: _____ State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-212										
2-212										
3-212										
4-212										
5-212										
6-212										
7-212										
8-212										
9-212										
10-212										
11-212										
12-212										

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

Sampled by _____ Relinquished to lab by _____
 NAME _____ NAME **Dean Jacobsen**
 SIGNATURE _____ SIGNATURE
 DATE/TIME _____ DATE/TIME **2/28/11 17:00**

MAR 1 - 2011

FX UPS USM HD DB

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

Chain-of-Custody documentation contained internally within lab. Terms and conditions page 2.



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WO Label:

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **11-0209.212**

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

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input checked="" type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.17.4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-212										
14-212										
15-212										
16-212										
17-212										
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19-212										
20-212										
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22-212										
23-212										
24-212										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE DATE/TIME 2/28/11 17:00	 vrs
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Sample return requested Ambient temp Ice °C pH Cl R S X Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.



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WO Label:

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

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **11-0209-212**

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

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg. Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
25-212										
26-212										
27-212										
28-212										
29-212										
30-212										
31-212										
32-212										
33-212										
34-212										
35-212										
36-212										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>2/28/11 17:00</u>	<input checked="" type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB MAR 1 - 2011 WB <u>5000</u>
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Submitting Co. Harenda Management Group	Lab Use- WO #	Phone #	414-383-4800
P.O. Box 511305	Acct #	Fax # & E-mail	
New Berlin, WI 53151		4001	414-383-4805 djacobsen@harenda.com

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **11-0209. Z1Z**

PO Number: State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg. Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
37-212										
38-212										
39-212										
40-212										
41-212										
42-212										
43-212										
44-212										
45-212										
46-212										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>2/28/11 17:00</u>	 Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.	<input checked="" type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB <u>3080</u>
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Sample return requested Ambient temp Ice °C pH Cl R S X

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Water Damaged
2 Family Dwelling
2963B 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.: 12-0210.2963B
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

May 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2963B North Richards Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 23, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2963B 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, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2963B	1 st floor – south bedroom – south window – glazing compound	Negative	N/A	MPG
2-2963B	2 nd floor – dining room – north window – glazing compound	Negative	N/A	MPG
3-2963B	Basement – south window – glazing compound	Negative	N/A	MPG
4-2963B	1 st floor – front porch – top layer – gray and beige linoleum	Negative	N/A	MFLye
5-2963B	1 st floor – front porch – 2 nd layer – brown and tan linoleum	Negative	N/A	MFLnt
6-2963B	1 st floor – front porch – 3 rd layer – gray and green linoleum	Negative	N/A	MFLyg
7-2963B	2 nd floor – bedroom – under carpet – brown linoleum	Negative	N/A	MFLn
8-2963B	2 nd floor – living room closet – cream/gray/red linoleum	Negative	N/A	MFLcyr
9-2963B	2 nd floor – bathroom – green linoleum	Negative	N/A	MFLg
10-2963B	2 nd floor – rear stair – ceiling – plaster	Negative	N/A	SPI
11-2963Ba	2 nd floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
11-2963Bb	2 nd floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
12-2963Ba	2 nd floor – living room – north wall – plaster base coat	Negative	N/A	SPI
12-2963Bb	2 nd floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
13-2963Ba	1 st floor – south bedroom – east wall – plaster base coat	Negative	N/A	SPI
13-2963Bb	1 st floor – south bedroom – east wall – plaster skim coat	Negative	N/A	SPI
14-2963Ba	1 st floor – north bedroom – south wall – plaster base coat	Negative	N/A	SPI
14-2963Bb	1 st floor – north bedroom – south wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15-2963Ba	2 nd floor – dining room – west wall – drywall	Negative	N/A	MDW
15-2963Bb	2 nd floor – dining room – west wall – joint compound	Negative	N/A	MDW
16-2963Ba	1 st floor – front entry – west wall – drywall	Negative	N/A	MDW
16-2963Bb	1 st floor – front entry – west wall – joint compound	Negative	N/A	MDW
17-2963Ba	1 st floor – kitchen – ceiling – drywall	Negative	N/A	MDW
17-2963Bb	1 st floor – kitchen – ceiling – joint compound	Negative	N/A	MDW
18-2963B	1 st floor – dining room – ceiling – plaster #2	Negative	N/A	SP12
19-2963B	1 st floor – dining room – ceiling – plaster #2	Negative	N/A	SP12
20-2963B	1 st floor – dining room – ceiling – plaster #2	Negative	N/A	SP12
21-2963B	1 st floor – kitchen – west side under debris and 2 layers floor tile – orange and gray linoleum	Positive 20% Chrysotile	200 Sq. Ft.	MFLoy
22-2963B	1 st floor – kitchen – east side under debris and 2 layers floor tile – orange and gray linoleum	Positive 20% Chrysotile	Reference 21-296B	MFLoy
23-2963B	1 st floor – kitchen – north side under debris and 2 layers floor tile – orange and gray linoleum	Positive 20% Chrysotile	Reference 21-296B	MFLoy
24-2963B	1 st floor – kitchen – west side 6 th layer – tar paper	Negative	N/A	MPT
25-2963B	1 st floor – kitchen – east side 6 th layer – tar paper	Negative	N/A	MPT
26-2963B	1 st floor – kitchen – north side 6 th layer – tar paper	Negative	N/A	MPT
27-2963B	1 st floor – kitchen – west side bottom layer – gray paper insulation	Negative	N/A	MPIy
28-2963B	1 st floor – kitchen – east side bottom layer – gray paper insulation	Negative	N/A	MPIy
29-2963B	1 st floor – bedroom – west side bottom layer – gray paper insulation	Negative	N/A	MPIy
30-2963Ba	1 st floor – bathroom floor – red and gray ceramic tile/grout	Negative	N/A	MCTMry
30-2963Bb	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMry
31-2963B	1 st floor – bathroom floor – grout	Negative	N/A	MCTMG
32-2963B	Basement – on west side of chimney – light gray flue packing	Negative	N/A	TFPyLight
33-2963B	Basement – on east side of chimney – top layer – gray flue packing	Negative	N/A	TFPy
34-2963B	Basement – on east side of chimney – bottom layer – dark gray flue packing	Negative	N/A	TFPydark
35-2963B	Basement – on ceiling southeast corner – tan paper insulation	Negative	N/A	MPIt
36-2963B	Basement – west room - <5" diameter aircell pipe insulation	Positive 60% Chrysotile	2 Ln. Ft.	TA5
37-2963B	Basement – west room - <5" diameter pipe insulation fitting	Positive 60% Chrysotile	3 Fittings	TF5
38-2963B	Quality Assurance/ Quality Control Sample of Sample 4-2963B	Negative	N/A	QAQC
39-2963B	Quality Assurance/ Quality Control Sample of Sample 7-2963B	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	850 Sq. Ft.
1 st	Kitchen/Bedroom	Floor Tile & Mastic	850 Sq. Ft.
1 st	Kitchen	Wall Mastic	160 Sq. Ft.
2 nd	Bathroom/Bedroom	Floor Mastic	120 Sq. Ft.
2 nd	Kitchen	Floor Tile & Mastic	180 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MPG	Window Glazing Compound
MFLye	Gray & Beige Linoleum
MFLnt	Tan & Brown Linoleum
MFLyg	Gray & Green Linoleum
MFLn	Brown Linoleum
MFLcyr	Cream/Gray/Red Linoleum
MFLg	Green Linoleum
MFLoy	Orange & Gray Linoleum
MFLn	Brown Linoleum
MPT	Tar Paper
MPIy	Gray Paper Insulation
MPIt	Tan Paper Insulation
MDW	Drywall/Joint Compound
MCTMry	Red & Gray Ceramic Tile
MCTMG	Grout
TFPylight	Light Gray Flue Packing
TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TA5	<5" Diameter Aircell Pipe Insulation
TF5	<5" Diameter Pipe Insulation Fitting
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 and fittings may be within walls and ceilings. Exploratory demolition required for exact quantity.

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

V. EXCLUSIONS

2nd floor rear stairs damaged and unsafe – not accessible. No access to attic. Roof visible only from ground. No visible or accessible areas or material were excluded from this scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

- 1 Fluorescent Lights – 1st Floor Kitchen,
- 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

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters and 1 Water Meter in Basement

* Animal Feces on Floor in 1st Floor Dining Room and 2nd Floor Kitchen

VIII. LABORATORY RESULTS

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

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

Using SLI A6

ACCOUNT #: 4001-12-685
 CLIENT: Harenda Management Group
 ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
 DATE RECEIVED: 5/25/2012
 DATE ANALYZED: 5/25/2012
 DATE REPORTED: 5/29/2012

PROJECT NAME: DNS
 JOB LOCATION:
 PROJECT NO.: 12-0210.2963
 PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1	31474463	2963		
Layer 1:	Granular Material Beige/Brown, Bituminous		None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
2	31474464	2963		
Layer 1:	Granular Material Beige/Brown, Granular		None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
3	31474465	2963		
Layer 1:	Granular Material Beige/Brown, Granular		None Detected	2% CELLULOSE FIBER 98% NON FIBROUS MATERIAL
4	31474466	2963		
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
5	31474467	2963		
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: 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.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6	31474468	2963		
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
7	31474469	2963		
Layer 1:	Flooring Beige/Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
8	31474470	2963		
Layer 1:	Flooring Beige/Black/Red, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
9	31474471	2963		
Layer 1:	Flooring Beige/Gray, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
10	31474472	2963		
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
11	31474473	2963		
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
12	31474474	2963		
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
13	31474475	2963		
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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Account - Workorder 4001-12-685 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
14	31474476	2963		
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
15	31474477	2963		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
16	31474478	2963		
Layer 1:	Drywall White, Powdery		None Detected	96% NON FIBROUS MATERIAL 4% CELLULOSE FIBER
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
17	31474479	2963		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
18	31474480	2963		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
19	31474481	2963		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
20	31474482	2963		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
21	31474483	2963		
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
22	31474484	2963		
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
23	31474485	2963		
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
24	31474486	2963		
Layer 1:	Fibrous Material Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
25	31474487	2963		
Layer 1:	Fibrous Material Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
26	31474488	2963		
Layer 1:	Fibrous Material Black, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
27	31474489	2963		
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
28	31474490	2963		
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

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Account - Workorder 4001-12-685 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
29	31474491	2963		
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
30	31474492	2963		
Layer 1:	Ceramic Tile Brick, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
31	31474493	2963		
Layer 1:	Ceramic Tile Brick, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Hard Material Gray, Hard		None Detected	100% NON FIBROUS MATERIAL
32	31474494	2963		
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
33	31474495	2963		
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
34	31474496	2963		
Layer 1:	Granular Material Beige/Black, Granular		None Detected	100% NON FIBROUS MATERIAL
35	31474497	2963		
Layer 1:	Fibrous Material Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
36	31474498	2963		
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-685 (Continued)

Page 6 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
37	31474499	2963		
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
38	31474500	2963		
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
39	31474501	2963		
Layer 1:	Flooring Red/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Mohammed B. Hashim

Analyst: **MOHAMMED B. HASHIM**

Hind Eldanaf

Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 6

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WO Lab
 WorkOrderKey

 V : \ 887 \ 887689

Submitting Co. **Harenda Management Group** Lab Use-WO # **4001-12-685**
 P.O. Box **611305** Acct # **4001** Phone # **414-383-4800**
 New Berlin, WI 53151 Fax # & E-mail **414-383-4805 djacobsen@harenda.com**

Project Name: **DNS** Special Instructions (include requests for special reporting or data packages)
 Project Location: **DO NOT ANALYZE MASTICS**
 Project Number: **12-0210.2983**
 PO Number: State Of Collection **WI**

Turn Around Time: 2 hours* Same day* 1 business day* 2 business day* 3 business days* 5 business days* Full TCLP (10d) Weekend*
 * not available for all tests
 Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE):
 Air Solid Aqueous Waste Bulk Wastewater HI-Vol Filter (PM10) Water, Drinking HI-Vol Filter (TSP) Compliance Oil Wipe Paint Wipe, Composite Sludge Soil

Tests / Analytes (Select ALL that Apply):
Asbestos Air / Fiber Counts
 PCM (NIOSH 7400) TEM (AHERA) TEM (EPA Level II)
Miscellaneous Tests
 Total Dust (NIOSH 0500) Resp. Dust (NIOSH D600) Silica - FTIR (NIOSH 7602) Silica - XRD (NIOSH 7500)
Asbestos Bulk / Asb ID
 PLM (EPA 800, 1982) PLM (EPA Point Count) PLM (Qualitative only) NYELAP 198.1/4/B CAELAP (EPA Interim) TEM (Chatfield)
FOR ASBESTOS AIR:
 TYPE OF RESPIRATOR USED:

Metals-Total Conc.
 Lead RCRA Metals
Metals-Extract
 TCLP / Lead TCLP / RCRA Metals TCLP / Full (w/ organics)
 Others:

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
1-2963										
2-2963										
3-2963										
4-2963										
5-2963										
6-2963										
7-2963										
8-2963										
9-2963										
10-2963										
11-2963										
12-2963										

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

Sampled by: NAME _____ SIGNATURE _____ DATE/TIME _____
 Relinquished to lab by: NAME **Dean Jacobsen** SIGNATURE _____ DATE/TIME **5/24/12 17:00**

FX UPS USM HD DB

5578

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 2512 West Cary Street, Richmond, Virginia 23220-5117
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Submitting Co. **Maronda Management Group** Lab Use- WO# **4001-12-685**
 P.O. Box **511305** Acct# **4001** Phone # **414-383-4800**
 New Berlin, WI 53181 Fax # & E-mail **414-383-4805 djacobsen@maronda.com**

Project Name: **DNS** Special Instructions [Include requests for special reporting or data packages]
 Project Location: **DO NOT ANALYZE MASTICS**
 Project Number: **12-0210.2963**
 PO Number: State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-2963										
14-2963										
15-2963										
16-2963										
17-2963										
18-2963										
19-2963										
20-2963										
21-2963										
22-2963										
23-2963										
24-2963										

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

Sampled by NAME _____ Relinquished to lab by NAME Dean Jacobsen
 SIGNATURE _____ SIGNATURE [Signature]
 DATE/TIME _____ DATE/TIME 5/24/12 17:00

SX UPS USM HD DB



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WO Label:

Submitting Co. **Harenda Management Group**

Lab Use- WO # **4001-12-025**

Acct # **4001**

Phone # **414-383-4800**

Fax # & E-mail **414-383-4805**

djacobsen@harenda.com

P.O. Box 811305

New Berlin, WI 53151

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.2963**

PO Number: **4001** State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business days* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> HI-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> HI-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/8 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chattfield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals-Total Conc <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
25-2963										
26-2963										
27-2963										
28-2963										
29-2963										
30-2963										
31-2963										
32-2963										
33-2963										
34-2963										
35-2963										
36-2963										

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

Sampled by _____ Relinquished to lab by _____
 NAME _____ NAME **Dean Jacobsen**
 SIGNATURE _____ SIGNATURE *Dean Jacobsen*
 DATE/TIME _____ DATE/TIME **5/24/12 17:00**

- FX
 - UPS
 - USM
 - HD
 - DB
- WB **3578**

IX. HMG CERTIFICATION



LEAD(PB) RISK ASSESSOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W134s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5' 08"
LRA-14370	Exp: 08/30/2012	12/12/1963	Male

Training due by: 08/30/2012.



ASBESTOS INSPECTION REPORT
Job Site:

2 Family Dwelling
3226 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.: 12-0210.3226
Contract No.: 360-12-0553

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

Dean Jacobsen
Asbestos Inspector No. AII - 14370

Prepared by:

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

May 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3226 North Richards Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On May 9, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 3226 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, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3226	Exterior – west wall under shingle siding – paper insulation	Negative	N/A	MPI
2-3226	1 st floor – front entry – under floor tile – tan linoleum	Positive 20% Chrysotile	20 Sq. Ft.	MFLt
3-3226	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
4-3226	2 nd floor – south bedroom – south window – glazing compound	Negative	N/A	MPG
5-3226	Attic – east window – glazing compound	Negative	N/A	MPG
6-3226	1 st floor – bathroom – under floor tile – beige linoleum	Negative	N/A	MFLe
7-3226a	1 st floor – kitchen – north wall – drywall	Negative	N/A	MDW
7-3226b	1 st floor – kitchen – north wall – joint compound	Negative	N/A	MDW
8-3226a	2 nd floor – north bedroom – south wall – drywall	Negative	N/A	MDW
8-3226b	2 nd floor – north bedroom – south wall – joint compound	Negative	N/A	MDW
9-3226a	2 nd floor – south bedroom – east wall – drywall	Negative	N/A	MDW
9-3226b	2 nd floor – south bedroom – east wall – joint compound	Negative	N/A	MDW
10-3226	2 nd floor – rear stair – gray linoleum	Negative	N/A	MFLy
11-3226	2 nd floor – kitchen – under floor tile east side – tar paper	Negative	N/A	MPT
12-3226	2 nd floor – kitchen – under floor tile west side – tar paper	Negative	N/A	MPT
13-3226	2 nd floor – pantry – under floor tile – tar paper	Negative	N/A	MPT
14-3226	2 nd floor – south bedroom – 1' x 1' white ceiling tile	Negative	N/A	MSCT11w
15-3226	2 nd floor – bathroom – under floor tile and plywood – white and black linoleum	Negative	N/A	MFLwk
16-3226a	2 nd floor – living room – east wall – plaster base coat	Negative	N/A	SPI
16-3226b	2 nd floor – living room – east wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17-3226a	2 nd floor – front stair - west wall – plaster base coat	Negative	N/A	SPI
17-3226b	2 nd floor – front stair - west wall – plaster skim coat	Negative	N/A	SPI
18-3226a	2 nd floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
18-3226b	2 nd floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
19-3226a	2 nd floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
19-3226b	2 nd floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
20-3226a	1 st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
20-3226b	1 st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPI
21-3226a	1 st floor – south bedroom – west wall – plaster base coat	Negative	N/A	SPI
21-3226b	1 st floor – south bedroom – west wall – plaster skim coat	Negative	N/A	SPI
22-3226	1 st floor – north bedroom – north wall – plaster base coat	Negative	N/A	SPI
22-3226	1 st floor – north bedroom – north wall – plaster skim coat	Negative	N/A	SPI
23-3226	2 nd floor – living room – south end – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
24-3226	2 nd floor – living room – north end – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
25-3226	2 nd floor – living room – east end – 1' x 1' smooth ceiling tile	Negative	N/A	MSCT11S
26-3226	2 nd floor – living room – in west wall – blown in insulation	Negative	N/A	MBI
27-3226	Attic – west side under floor – blown in insulation	Negative	N/A	MBI
28-3226	Attic – east side under floor – blown in insulation	Negative	N/A	MBI
29-3226	Basement – on south boot and northwest return – duct paper	Positive 60% Chrysotile	6 Sq. Ft.	TDW
30-3226	Basement – on chimney – flue packing	Negative	N/A	TFP
31-3226a	Basement – north wall – plaster #2 base coat	Negative	N/A	SPI2
31-3226b	Basement – north wall – plaster #2 skim coat	Negative	N/A	SPI2
32-3226a	Basement – north wall – plaster #2 base coat	Negative	N/A	SPI2
32-3226b	Basement – north wall – plaster #2 skim coat	Negative	N/A	SPI2
33-3226a	Basement – east wall – plaster #2 base coat	Negative	N/A	SPI2
33-3226b	Basement – east wall – plaster #2 skim coat	Negative	N/A	SPI2
34-3226	1 st floor – kitchen – west side under floor tile and plywood – beige and brown linoleum	Negative	N/A	MFLen
35-3226	1 st floor – kitchen – east side under floor tile and plywood – beige and brown linoleum	Negative	N/A	MFLen
36-3226	1 st floor – kitchen – north side under floor tile and plywood – beige and brown linoleum	Positive 20% Chrysotile	190 Sq. Ft.	MFLen
37-3226	1 st floor – kitchen – north side under beige and brown linoleum – white linoleum	Positive 20% Chrysotile	160 Sq. Ft.	MFLw
38-3226	1 st floor – pantry – top layer – tan and gray linoleum	Negative	N/A	MFLty

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
39-3226	1 st floor – pantry – 2 nd layer – brown linoleum	Negative	N/A	MFLn
40-3226	Quality Assurance/ Quality Control Sample of Sample 6-3226	Negative	N/A	QAQC
41-3226	Quality Assurance/ Quality Control Sample of Sample 10-3226	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	1,200 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	2,900 Sq. Ft.
1 st	Front Entry/Kitchen/Bathroom	Floor Tile & Mastic	280 Sq. Ft.
1 st	Stair/Pantry	Floor Mastic	150 Sq. Ft.
2 nd	Kitchen/Pantry/Bathroom	Floor Tile & Mastic	900 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MPI	Paper Insulation
MPT	Tar Paper
MFLt	Tan Linoleum
MFLe	Beige Linoleum
MFLy	Gray Linoleum
MFLwk	White & Black Linoleum
MFLen	Beige & Brown Linoleum
MFLw	White Linoleum
MFLty	Tan & Gray Linoleum
MFLn	Brown Linoleum
MDW	Drywall/Joint Compound
MPG	Window Glazing Compound
MSCT11w	1' x 1' White Ceiling Tile
MSCT11S	1' x 1' Smooth Ceiling Tile
MBI	Blown in Insulation
TFP	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

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 1 Water Heater 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

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

- * 10 Gallons Paint on 1st Floor, 3 Gallon Paint on 2nd Floor
- * 1 Lawn Mower in 1st Floor Bedroom
- * 2 Gas Meters on Exterior
- * 1 Water Meter in Basement

VIII. LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

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

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

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

Using SLI A6

ACCOUNT #: 4001-12-673
CLIENT: Harena Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 5/10/2012
DATE ANALYZED: 5/14/2012
DATE REPORTED: 5/15/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-0210.3226
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-3226	31456483			
Layer 1:	Fibrous Material Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
2-3226	31456484			
Layer 1:	Linoleum Beige/White, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
3-3226	31456485			
Layer 1:	Granular Material Beige/Brown, Granular		None Detected	100% NON FIBROUS MATERIAL
4-3226	31456486			
Layer 1:	Granular Material Beige/Brown, Granular		None Detected	100% NON FIBROUS MATERIAL
5-3226	31456487			
Layer 1:	Granular Material Beige/Brown, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-673 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-3226	31456488			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
7-3226	31456489			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
8-3226	31456490			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
9-3226	31456491			
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
10-3226	31456492			
Layer 1:	Sheet Flooring Beige/Green, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
11-3226	31456493			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
12-3226	31456494			
Layer 1:	Sheet 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: 6

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Account - Workorder 4001-12-673 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
13-3226	31456495			
Layer 1:	Sheet Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
14-3226	31456496			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
15-3226	31456497			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
16-3226	31456498			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
17-3226	31456499			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
18-3226	31456500			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
19-3226	31456501			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

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Account - Workorder 4001-12-673 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
20-3226	31456502			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
21-3226	31456503			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
22-3226	31456504			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
23-3226	31456505			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
24-3226	31456506			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
25-3226	31456507			
Layer 1:	Ceiling Tile Brown, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages In Report: 6

Results relate only to samples as received by the laboratory.

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

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
26-3226	31456508			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
27-3226	31456509			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
28-3226	31456510			
Layer 1:	Insulation Beige, Fibrous		None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
29-3226	31456511			
Layer 1:	Insulation Beige, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
30-3226	31456512			
Layer 1:	Hard Material Beige, Hard		None Detected	100% NON FIBROUS MATERIAL
31-3226	31456513			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
32-3226	31456514			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
33-3226	31456515			
Layer 1:	Plaster Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

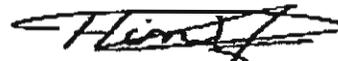
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Account - Workorder 4001-12-673 (Continued)

Page 6 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Textured Material White, Granular		None Detected	100% NON FIBROUS MATERIAL
34-3226	31456516			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
35-3226	31456517			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
36-3226	31456518			
Layer 1:	Sheet Flooring Beige/White, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
37-3226	31456519			
Layer 1:	Sheet Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
38-3226	31456520			
Layer 1:	Sheet Flooring Tan, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
39-3226	31456521			
Layer 1:	Sheet Flooring Tan/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
40-3226	31456522			
Layer 1:	Sheet Flooring Beige/Brown, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
41-3226	31456523			
Layer 1:	Sheet Flooring Beige/Brown, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL


Analyst: **MOHAMMED B. HASHIM**

Reviewed By: **Hind Eldanaf, Microscopy Supervisor**

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory.

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



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WOL#

WorkOrderKey



Submitting Co.

Harenda Management Group

Lab Use-WO #
Acct #

4001-12-673

Phone #
Fax #
&
E-mail

414-383-4800

414-383-4805

djacobsen@harenda.com

P.O. Box 511305

New Berlin, WI 53181

4001

Project Name: DNS

Special Instructions (include requests for special reporting or data packages)

Project Location:

DO NOT ANALYZE MASTICS

Project Number: 12-0210.3226

PO Number:

State Of Collection WI

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-media & surfactant tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input checked="" type="checkbox"/> HI-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> HI-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, D, F, C	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-3226										
2-3226										
3-3226										
4-3226										
5-3226										
6-3226										
7-3226										
8-3226										
9-3226										
10-3226										
11-3226										
12-3226										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE DATE/TIME <u>5/9/12 17:00</u>	<input checked="" type="checkbox"/> PX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB:
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WO Label:

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

Project Name: **DNS** *Special instructions include requests for special reporting or data packages!*

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.3226**

PO Number: State Of Collection **WI**

Turn-Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> Soil	Asbestos Air / Filter Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500)	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/8 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield)	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others

Sample #	Data Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-3226										
14-3226										
15-3226										
16-3226										
17-3226										
18-3226										
19-3226										
20-3226										
21-3226										
22-3226										
23-3226										
24-3226										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE <i>[Signature]</i> DATE/TIME 5/9/12 17:00	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <i>[Signature]</i>
--	--	---

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



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WO Label:

Submitting Co.

Harenda Management Group

LAB Use- WO #

Phone #
Fax #
&
E-mail

414-383-4800

414-383-4805

djacobsen@harenda.com

4001

P.O. Box 511305

New Berlin, WI 53151

Project Name: DNS

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

Project Location:

DO NOT ANALYZE MASTICS

Project Number: 12-0210.3226

State Of Collection WI

PO Number:

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Aqueous <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Oil <input type="checkbox"/> Paint <input type="checkbox"/> Sludge <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Waste <input type="checkbox"/> Wastewater <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Compliance <input type="checkbox"/> Wipe <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> _____ <input type="checkbox"/> _____	Asbestos Air / Filter Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____ <input type="checkbox"/> _____	Asbestos Bulk / Asb/D <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/8 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chattfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals: Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals: Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others: _____ <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, B, F, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
25-3226										
26-3226										
27-3226										
28-3226										
29-3226										
30-3226										
31-3226										
32-3226										
33-3226										
34-3226										
35-3226										
36-3226										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>5/9/12 17:00</u>	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB Wt. <u>6187</u>
--	--	--

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen

W151s6781 Kipling Dr

Muskego WI 53150-3401

		160 lbs	5'08"
All-14370	Exp. 12/01/2012	12/12/1963	Male

Training due by: 12/01/2012



ASBESTOS INSPECTION REPORT

Job Site:

**2 Family Dwelling
527 West Ring 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.: 12-0210.527
Contract No.: 360-12-0553**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

March 2012

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 527 West Ring Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, transite, tar paper, drywall/joint compound, insulation pad, flue packing, blown in insulation, window glazing compound, linoleum, ceramic tile, concrete board, aircell pipe insulation, cardboard pipe insulation, and fittings 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 527 West Ring Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-527	Exterior – north wall – transite siding	Positive 20% Chrysotile	2,800 Sq. Ft.	MTP
2-527	Exterior – east wall – transite siding	Positive 20% Chrysotile	Reference 1-527	MTP
3-527	Exterior – south wall – transite siding	Positive 20% Chrysotile	Reference 1-527	MTP
4-527	Exterior – north wall under transite siding – tar paper	Negative	N/A	MPT
5-527	Exterior – east wall under transite siding – tar paper	Negative	N/A	MPT
6-527	Exterior – south wall under transite siding – tar paper	Negative	N/A	MPT
7-527	Basement – south window – glazing compound	Negative	N/A	MPG
8-527	2 nd floor – bathroom – west window – glazing compound	Negative	N/A	MPG
9-527	1 st floor – living room – north window – glazing compound	Negative	N/A	MPG
10-527	Attic – stair – on landing – gray linoleum	Negative	N/A	MFLy
11-527	2 nd floor – southwest bedroom – north wall – texture	Negative	N/A	STX
12-527	2 nd floor – kitchen – east wall – texture	Negative	N/A	STX
13-527	2 nd floor – dining room – west wall – texture	Negative	N/A	STX
14-527	1 st floor – hall – north wall – texture	Negative	N/A	STX
15-527	1 st floor – dining room – south wall – texture	Negative	N/A	STX
16-527	2 nd floor – southwest bedroom closet – north wall – plaster	Negative	N/A	SPI
17-527	2 nd floor – west center bedroom – east wall – plaster	Negative	N/A	SPI
18-527	2 nd floor – bathroom – east wall – plaster	Negative	N/A	SPI
19-527	2 nd floor – front stair – west wall – plaster	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20-527	1 st floor – rear stair – north wall – plaster	Negative	N/A	SP1
21-527	1 st floor – bathroom – east wall – plaster	Negative	N/A	SP1
22-527	1 st floor – northwest bedroom – west wall – plaster	Negative	N/A	SP1
23-527	2 nd floor – southwest bedroom – ceiling – texture #2	Negative	N/A	STX2
24-527	2 nd floor – west center bedroom – ceiling – texture #2	Negative	N/A	STX2
25-527	2 nd floor – living room – ceiling – texture #2	Negative	N/A	STX2
26-527	1 st floor – kitchen – ceiling – texture #2	Negative	N/A	STX2
27-527	1 st floor – west center bedroom – ceiling – texture #2	Negative	N/A	STX2
28-527	1 st floor – front stair landing – cream linoleum	Negative	N/A	MFLc
29-527	Attic – on south wall – insulation pad	Positive 55% Chrysotile	1 Sq. Ft.	TIP
30-527	Attic – on chimney – gray flue packing	Negative	N/A	TFPy
31-527	Attic – north side under floor – blown in insulation	Negative	N/A	MBI
32-527	Attic – center under floor – blown in insulation	Negative	N/A	MBI
33-527	Attic – south side under floor – blown in insulation	Negative	N/A	MBI
34-527a	2 nd floor – kitchen floor – south side – brown ceramic tile	Negative	N/A	MCTMn
34-527b	2 nd floor – kitchen floor – south side – mortar	Negative	N/A	MCTMn
35-527a	2 nd floor – kitchen floor – north side – brown ceramic tile	Negative	N/A	MCTMn
35-527b	2 nd floor – kitchen floor – north side – mortar	Negative	N/A	MCTMn
36-527a	1 st floor – kitchen floor – brown ceramic tile	Negative	N/A	MCTMn
36-527b	1 st floor – kitchen floor – mortar	Negative	N/A	MCTMn
37-527	2 nd floor – kitchen floor – south side – grout	Negative	N/A	MCTMG
38-527	2 nd floor – kitchen floor – north side – grout	Negative	N/A	MCTMG
39-527	1 st floor – kitchen floor – grout	Negative	N/A	MCTMG
40-527	2 nd floor – kitchen floor – south side – under ceramic tile – concrete board	Negative	N/A	MCB
41-527	2 nd floor – kitchen floor – north side – under ceramic tile – concrete board	Negative	N/A	MCB
42-527	1 st floor – kitchen floor – under ceramic tile – concrete board	Negative	N/A	MCB
43-527	2 nd floor – kitchen – near stair door – leveling compound	Negative	N/A	MLC
44-527	2 nd floor – kitchen – under concrete board – white linoleum	Negative	N/A	MFLw
45-527	1 st floor – kitchen – under concrete board south side – white linoleum	Negative	N/A	MFLw
46-527	1 st floor – kitchen – under concrete board north side – white linoleum	Negative	N/A	MFLw
47-527a	2 nd floor – bathroom – on tub wall – tan ceramic tile	Negative	N/A	MCTMt
47-527b	2 nd floor – bathroom – on tub wall – grout	Negative	N/A	MCTMt

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
48-527	Basement – north side - <5" diameter aircell pipe insulation	Positive 55% Chrysotile	110 Ln. Ft.	TA5
49-527	Basement – center - <5" diameter aircell pipe insulation	Positive 65% Chrysotile	Reference 48-527	TA5
50-527	Basement – center - <5" diameter aircell pipe insulation	Positive 55% Chrysotile	Reference 48-527	TA5
51-527	Basement – north side - <5" diameter cardboard pipe insulation	Positive 65% Chrysotile	110 Ln. Ft.	TC5
52-527	Basement – center - <5" diameter cardboard pipe insulation	Positive 55% Chrysotile	Reference 51-527	TC5
53-527	Basement – south side - <5" diameter cardboard pipe insulation	Positive 55% Chrysotile	Reference 51-527	TC5
54-527	Basement – <5" diameter pipe insulation fitting	Positive 55% Chrysotile	50 Fittings	TF5
55-527	Basement – on west side of chimney – white flue packing	Positive 55% Chrysotile	1 Sq. Ft.	TFPw
56-527	Basement – on east side of chimney – light gray flue packing	Negative	N/A	TFPylight
57-527	Quality Assurance/ Quality Control Sample of Sample 10-527	Negative	N/A	QAQC
58-527	Quality Assurance/ Quality Control Sample of Sample 28-527	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	Bedroom/Bathroom/Kitchen/Stair	Floor & Wall Mastic	330 Sq. Ft.
2 nd	Bathroom/Kitchen/Bedroom	Floor Mastic	500 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
MTP	Transite
MPT	Tar Paper
MFLy	Gray Linoleum
MFLw	White Linoleum
MFLen	Beige & Brown Linoleum
MFLep	Beige & Pink Linoleum
MFLc	Cream Linoleum
MPG	Window Glazing Compound
MDW	Drywall/Joint Compound
MBI	Blown in Insulation
MCTMn	Brown Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMG	Grout
MCB	Concrete Board
MLC	Leveling Compound

Homogeneous Material Codes

TIP	Insulation Pad
TFPy	Gray Flue Packing
TFPylight	Light Gray Flue Packing
TFPw	White Flue Packing
TA5	<5" Diameter Aircell Pipe Insulation
TC5	<5" Diameter Cardboard Pipe Insulation
TF5	<5" Diameter Pipe Insulation Fitting
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, cardboard, and fittings may be within walls and ceilings. Exploratory demolition required for exact quantity.

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Attic. 2 Breaker Boxes in Basement.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 2 Gas Meters & 1 Water Meter in Basement

VIII. LABORATORY RESULTS

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

Using SLI A6

ACCOUNT #: 4001-12-630
CLIENT: Harena Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 3/22/2012
DATE ANALYZED: 3/26/2012
DATE REPORTED: 3/27/2012

PROJECT NAME: DNS
JOB LOCATION:
PROJECT NO.: 12-0210.527
PO NO.:

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-527	31397451			
Layer 1:	Transite Gray, Hard		20% CHRYSOTILE	80% NON FIBROUS MATERIAL
2-527	31397452			
Layer 1:	Transite Gray, Hard		20% CHRYSOTILE	80% NON FIBROUS MATERIAL
3-527	31397453			
Layer 1:	Transite Gray, Hard		20% CHRYSOTILE	80% NON FIBROUS MATERIAL
4-527	31397454			
Layer 1:	Felt Black, Fibrous		None Detected	75% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
5-527	31397455			
Layer 1:	Felt Black, Fibrous		None Detected	75% CELLULOSE FIBER 25% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

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

Account - Workorder 4001-12-630 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-527	31397456			
Layer 1:	Felt Black, Fibrous		None Detected	75% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
7-527	31397457			
Layer 1:	Caulk Red/Black, Granular		None Detected	100% NON FIBROUS MATERIAL
8-527	31397458			
Layer 1:	Caulk Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
9-527	31397459			
Layer 1:	Caulk Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
10-527	31397460			
Layer 1:	Felt Black, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
11-527	31397461			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
12-527	31397462			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
13-527	31397463			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
14-527	31397464			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-630 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
15-527	31397465			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
16-527	31397466			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
17-527	31397467			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
18-527	31397468			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
19-527	31397469			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
20-527	31397470			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
21-527	31397471			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
22-527	31397472			
Layer 1:	Plaster Green, Granular		None Detected	100% NON FIBROUS MATERIAL
23-527	31397473			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-630 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
24-527	31397474			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
25-527	31397475			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
26-527	31397476			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
27-527	31397477			
Layer 1:	Textured Ceiling White, Granular		None Detected	100% NON FIBROUS MATERIAL
28-527	31397478			
Layer 1:	Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
29-527	31397479			
Layer 1:	Fibrous Material Tan, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
30-527	31397480			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
31-527	31397481			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
32-527	31397482			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-630 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analyze Results	
			Asbestos Fibers	Other Materials
33-527	31397483			
Layer 1:	Insulation Gray, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
34-527	31397484			
Layer 1:	Ceramic Tile Brown, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
35-527	31397485			
Layer 1:	Ceramic Tile Brown, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
36-527	31397486			
Layer 1:	Ceramic Tile Brown, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
37-527	31397487			
Layer 1:	Grout Brown, Granular		None Detected	100% NON FIBROUS MATERIAL
38-527	31397488			
Layer 1:	Grout Brown, Granular		None Detected	100% NON FIBROUS MATERIAL
39-527	31397489			
Layer 1:	Grout Brown, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Account - Workorder 4001-12-630 (Continued)

Page 6 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
40-527	31397490			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
41-527	31397491			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
42-527	31397492			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
43-527	31397493			
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
44-527	31397494			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
45-527	31397495			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
46-527	31397496			
Layer 1:	Flooring White, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
47-527	31397497			
Layer 1:	Ceramic Tile Tan, Hard		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Grout White/Gray, Granular Unable to separate individual layers.		None Detected	100% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-630 (Continued)

Page 7 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
48-527	31307498			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
49-527	31397499			
Layer 1:	Fibrous Material White, Fibrous		65% CHRYSOTILE	20% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
50-527	31397500			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
51-527	31397501			
Layer 1:	Fibrous Material White, Fibrous		65% CHRYSOTILE	20% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
52-527	31397502			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
53-527	31397503			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
54-527	31397504			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
55-527	31397505			
Layer 1:	Fibrous Material White, Fibrous		55% CHRYSOTILE	20% CELLULOSE FIBER 25% NON FIBROUS MATERIAL
56-527	31397506			
Layer 1:	Flooring Beige, Granular		None Detected	100% NON FIBROUS MATERIAL

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Account - Workorder 4001-12-630 (Continued)

Page 8 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
57-527	31397507			
Layer 1:	Flooring Beige/Black, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL
58-527	31397508			
Layer 1:	Flooring Beige, Fibrous		None Detected	35% CELLULOSE FIBER 65% NON FIBROUS MATERIAL

Analyst: HALA A. OSMAN

Reviewed By: Hind Eldanaf, Microscopy Supervisor

Total Number of Pages In Report: 8

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New Berlin, WI 53151

Acct #

4001

Phone #

414-383-4800

Fax #

414-383-4805

E-mail

djacobsen@harenda.com

Project Name: DNS

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

Project Location:

DO NOT ANALYZE MASTICS

Project Number: 12-0210. 527

PO Number:

State Of Collection

WI

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____	Metals - Total Conc: <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ Metals - Extract: <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> Others _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, B, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
1-527										
2-527										
3-527										
4-527										
5-527										
6-527										
7-527										
8-527										
9-527										
10-527										
11-527										
12-527										

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

Sampled by
NAME _____
SIGNATURE _____
DATE/TIME _____

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

RECEIVED
MAR 22
10:30
WB: 6766



SCHNEIDER LABORATORIES, INC.

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www.slabinc.com e-mail: info@slabinc.com

WO Label:

Phone # **414-383-4800**

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

Submitting Co. **Haranda Management Group**

P.O. Box **B11305**

New Berlin, WI **53151**

Lab Use-WO# **4001**

Acct # **4001**

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

Project Locations: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210. 527**

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

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bid, Material)	Wiped Area (ft ²)	Type ¹ A,B,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-527										
14-527										
15-527										
16-527										
17-527										
18-527										
19-527										
20-527										
21-527										
22-527										
23-527										
24-527										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE _____ DATE/TIME: 3/21/12 17:00
--	---

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10:72

WB: **6756**

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

Project Name: **DNS** Special Instructions [include requests for special reporting or data packages]
 Project Location: **DO NOT ANALYZE MASTICS**
 Project Number: **12-0210.527**
 PO Number: _____ State Of Collection **WI**

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

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Dtdg, Material)	Wiped Area (ft ²)	Type ¹ A,D,P,E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
25-527										
26-527										
27-527										
28-527										
29-527										
30-527										
31-527										
32-527										
33-527										
34-527										
35-527										
36-527										

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

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

RECEIVED
 LR 19:30
 WB: 6758



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WO Label:

Submitting Co.

Harenda Management Group

Lab Use- WO #

Acct #

Phone #
Fax #
&
E-mail

414-383-4800

414-383-4805

djacobson@harenda.com

4001

P.O. Box 511305

New Berlin, WI 53101

Project Name: DNS

Special Instructions (Include requests for special reporting or data packages)

Project Location:

DO NOT ANALYZE MASTICS

Project Number: 12-0210. 527

State Of Collection

WI

PC Number:

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* <small>* not available for all tests</small> <small>Schedule rush organics, multi-metals & weekend tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/8 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield)	Metals - Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals - Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft ²)	Type ¹ A, D, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
37-527										
38-527										
39-527										
40-527										
41-527										
42-527										
43-527										
44-527										
45-527										
46-527										
47-527										
48-527										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME Dean Jacobsen SIGNATURE DATE/TIME 3/21/12 17:00	 BY: LR 10:30 WB: 6756
--	--	------------------------------



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

Submitting Co. **Harenda Management Group**

Lab Use-WO #

Acc#

F.O. Box 511305

New Berlin, WI 53151

4001

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

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210.527**

PO Number:

State Of Collection **WI**

Turn Around Time	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that Apply)		
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business day* <input checked="" type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composites <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0500) <input type="checkbox"/> Silica - FTIR (NIOSH 7802) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 800, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.17.41.6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ <input type="checkbox"/> _____ Metals-Extract <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) <input type="checkbox"/> _____ Others <input type="checkbox"/> _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A R P E	Time²		Flow Rate³		Total⁴ Air Vol
						Start	Stop	Start	Stop	
49-527										
50-527										
51-527										
52-527										
53-527										
54-527										
55-527										
56-527										
57-527										
58-527										

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

Sampled by NAME _____ SIGNATURE _____ DATE/TIME _____	Relinquished to lab by NAME <u>Dean Jacobsen</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>3/21/12 17:00</u>	[Stamp] [Stamp] [Stamp] [Stamp]	<input type="checkbox"/> FX <input type="checkbox"/> UPS <input type="checkbox"/> USM <input type="checkbox"/> HD <input type="checkbox"/> DB WB: <u>42756</u>
--	---	--	---

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen

W131s6781 Kipling Dr

Muskego WI 53150-3401

160 lbs	5' 08"
---------	--------

AH-14370	Exp: 12/01/2012	12/12/1963	Male
----------	-----------------	------------	------

Training due by: 12/01/2012

Copy