

CONTRACT AND BID DOCUMENTS

For

DEMOLITION PROJECT

Bid Opening February 14, 2014 at 9:00 AM

Milwaukee Wisconsin

DEPARTMENT OF NEIGHBORHOOD SERVICES

CITY OF MILWAUKEE

CONDEMNATION DIVISION

Room 105

841 North Broadway

Milwaukee, Wisconsin 53202-3650

**WHEN SUBMITTING A BID FOR THIS PROJECT, PLEASE USE
FORMS INCLUDED IN THIS PACKET**

5.0.0

TECHNICAL SPECIFICATIONS

(for this contract only)

5.1.0. PARCEL LOCATION AND DESCRIPTION OF STRUCTURES FOR BID OPENING ON Friday, February 14, 2014 at 9:00 A.M.

Parcel numbers, street addresses, approximate sizes of main structures to be demolished under this contract are listed on Section 5.7.0.

5.2.0. WORK BY OTHERS

Certain disconnections from utilities to be made by others are noted under sec. 4.3.23, entitled "Utility Services: Protection and Disconnection."

5.3.0. WORK NOT INCLUDED IN CONTRACT

- A. Work mentioned in Technical Specifications as not being a part of this contract.
- B. Replacing of curb and walk removed in connection with demolition of street walk basements (sidewalk vaults).
- C. Trees which are not damaged and are not obstructions to demolition as interpreted by the Commissioner or unless otherwise noted in the Technical Specifications.

5.4.0. DEMOLITION WORK WITHIN PARCELS

- A. The structures, including foundation walls, columns, piers, floors, partitions, and attached appurtenances shall be removed down to a level two feet below the present ground level unless otherwise noted in Section 5.6.0 SCHEDULE OF DETAILED WORK WITHIN PARCELS and in any case two feet below the accepted finished grade by any method allowable under the City Building Code except for the following provisions.
- B. It shall be understood that the Contractor shall take whatever precautions are necessary to protect the City sidewalk. The Contractor shall also provide protection to the electric power poles and lines.
- C. The Contractor shall remove all portions of footing and foundation walls to a depth of two feet below finish grade unless otherwise noted in Section 5.6.0 SCHEDULE OF DETAILED WORK WITHIN PARCELS. All building concrete slabs, concrete stoops and concrete stairs to the buildings are also to be removed.
- D. All material and debris, which would be disallowed for use as, fill by sec. 4.5.6. is to be completely removed from the site and properly disposed of in accordance with all Environmental Requirements (as defined in sec. 4.5.1. above), except with the express advance, written permission of the Commissioner.
- E. All concrete or masonry floors below existing grade shall be broken up to pieces no larger than approximately one foot in all directions to permit fill to drain.

5.5.0. SCHEDULE OF DRAWINGS

None.

5.6.0. SCHEDULE OF DETAILED WORK WITHIN PARCELS

FAILURE TO REQUEST OPEN BASEMENT INSPECTION WILL RESULT IN THE INSPECTOR REQUIRING COMPLETE REEXCAVATION OF THE PARCEL.

CONTRACTOR IS REQUIRED TO CONTACT THIS DEPARTMENT TO ARRANGE FOR AN INSPECTION IF ADDITIONAL ASBESTOS-CONTAINING MATERIALS ARE FOUND IN THE BUILDING AFTER ASBESTOS ABATEMENT ACTIVITIES OR DEMOLITION HAS COMMENCED.

IF MORE THAN 5 WASTE TIRES ARE REMOVED FROM SITE, THEY MUST BE TRANSPORTED BY A LICENSED WASTE TIRE TRANSPORTER. LICENSED TRANSPORTER MUST BE LISTED IN THE LIST OF SUBCONTRACTORS SUBMITTED WITH THE BID DOCUMENTS IF OTHER THAN PRIME CONTRACTOR. FOR INFORMATION ON LICENSED TRANSPORTERS, CONTACT CITY OF MILWAUKEE WASTE TIRE COORDINATOR AT 414-286-5028.

MANAGEMENT OF ANY MERCURY-CONTAINING PRODUCTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

MANAGEMENT OF ANY PCB'S OR PCB-CONTAINING PRODUCTS AND MERCURY-CONTAINING PRODUCTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, INCLUDING CHAPTER NR157 OF THE WISCONSIN ADMINISTRATIVE CODE.

ANY REFRIGERANTS ON SITE MUST BE RECLAIMED BY A CERTIFIED CFC RECLAIMER. CERTIFIED RECLAIMER MUST BE LISTED IN THE LIST OF SUBCONTRACTORS SUBMITTED WITH THE BID DOCUMENTS IF OTHER THAN PRIME CONTRACTOR.

REQUIRED EROSION CONTROL MEASURES FOR PARCELS: CONTRACTOR SHALL BE REPOSIBLE FOR OBTAINING AN EROSION CONTROL PERMIT AND INSTALLING CONTROL MEASURES PER THE REQUIREMENTS OF CHAPTER 290 OF THE MILWAUKEE CODE OF ORDINANCES. MEASURES MUST BE IN PLACE PRIOR TO DEMOLITION ACTIVITIES COMMENCING. CONTROL MEASURES MUST BE INTACT AT FINAL INSPECTION AND ARE TO REMAIN ON SITE.

5.6.0. SCHEDULE OF DETAILED WORK WITHIN PARCELS

(ALL WORK TO BE DONE IN ACCORDANCE WITH THE CITY OF MILWAUKEE DEPARTMENT OF NEIGHBORHOOD SERVICES DEMOLITION AND SITE CLEARANCE GENERAL SPECIFICATIONS (1999 REVISION))

NOTE: The City of Milwaukee has contacted WE energies to cut off the gas and electric for these parcels.

Parcel 1 2333 North 17th St-2 story wood frame duplex

Remove dwelling, sidewalks, clothes poles, concrete steps and two (2) oil tanks in basement
All else to remain.

BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG

6 days to complete

Parcel 2 2836 North 18th St-1.5 story wood frame 1 family dwelling

Remove dwelling, fences, sidewalks, concrete steps, and railings
All else to remain.

NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG

4 days to complete

Parcel 3 2449-51 North 21st St-2 story wood frame duplex

Remove dwelling, sidewalks, and concrete steps,
All else to remain.

NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM

8 days to complete

Parcel 4 2776 North 21st St-1.5 story wood frame duplex and 1 story masonry garage.

Remove dwelling, garage, fences, garage slabs, sidewalks, concrete steps, railings, (one) 1 oil tank in basement and one (1) curb cut

All else to remain

Note: no alley access

NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG WAS UNABLE TO GAIN ACCESS TO ALL AREAS OF THE DWELLING. ON-SITE MONITORING BY A CERTIFIED ASBESTOS SPECIALIST WILL BE REQUIRED DURING DEMOLITION. THIS COST SHOULD BE INCLUDED IN THE BID PRICE BECAUSE DEMOLITION WILL RESULT IN THE DISCONTINUANCE OF THE USE OF AN EXISTING DRIVEWAY, REMOVAL OF THE DRIVEWAY AND RESTORATION OF THE STREET PAVEMENT, CURB, GUTTER AND SIDEWALK SHALL BE A CONDITION OF THE ISSUANCE OF THE DEMOLITION PERMIT IN ACCORDANCE WITH THE SECTION 218-6-10 OF THE MILWAUKEE CODE OR ORDINANCES. THE COST OF STREET PAVEMENT, CURB, GUTTER AND SIDEWALK REMOVAL AND REPLACEMENT IS TO BE INCLUDED IN THE BID PRICE. CONCRETE WORK MUST BE DONE BY A LICENSE CONCRETE CONTRACTOR UNDER DPW PERMIT IN ACCORDANCE WITH DPW SPECIFICATIONS. ANY AND ALL APPLICABLE PERMIT FEES ARE TO BE INCLUDED IN THE BID PRICE. TYPE 1 BARRICADES WITH FLASHERS MUST BE PLACED IN THE ROAD AFTER CURB REMOVAL. BARRICADES MUST BE PLACED AT EACH END OF WALL

4 days to complete

Parcel 5 2655 North 23rd St-1.5 story wood frame single family dwelling

Remove dwelling, fences, parking slabs, sidewalks, and concrete steps

All else to remain.

NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG WAS UNABLE TO GAIN ACCESS TO ALL AREAS OF THE DWELLING. ON-SITE MONITORING BY A CERTIFIED ASBESTOS SPECIALIST WILL BE REQUIRED DURING DEMOLITION. THIS COST SHOULD BE INCLUDED IN THE BID PRICE

5 days to complete

Parcel 6 2038 N. 28th St-2 story wood frame single family dwelling

Remove dwelling, retaining wall at garage slab, fences, garage slabs, sidewalks bushes & shrubs.

All else to remain.

NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG

7 days to complete

- Parcel 7 2404-04A North 33rd St-2 story wood frame duplex
- Remove dwelling, sidewalks bushes and shrubs.
All else to remain.
NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG
- 6 days to complete
- Parcel 8 2122 North 34th St-2 story wood frame duplex
- Remove dwelling, garage slabs, sidewalks, concrete steps, bushes and shrubs.
All else to remain.
NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG
- 9 days to complete
- Parcel 9 2420-22 North 34th St-2 story wood frame duplex and
1 story masonry garage
- Remove dwelling, garage sidewalks, and concrete steps
All else to remain.
NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG
- 6 days to complete
- Parcel 10 2511 North 37th St-1.5 story wood frame single family dwelling
- Remove dwelling, fences, sidewalks, concrete steps bushes and shrubs.
All else to remain.
NOTE: BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG
- 8 days to complete

Parcel 11 1426 West Groeling Ave-1 story wood frame single family dwelling and 1 story steel garage
Remove dwelling, garage (north, south, east) fences, sidewalks, concrete steps, trees (2 pine trees front) and driveway approach 1 curb cut.
All else to remain.
Note: No alley access
BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG
BECAUSE DEMOLITION WILL RESULT IN THE DISCONTINUANCE OF THE USE OF AN EXISTING DRIVEWAY, REMOVAL OF THE DRIVEWAY AND RESTORATION OF THE STREET PAVEMENT, CURB, GUTTER AND SIDEWALK SHALL BE A CONDITION OF THE ISSUANCE OF THE DEMOLITION PERMIT IN ACCORDANCE WITH THE SECTION 218-6-10 OF THE MILWAUKEE CODE OR ORDINANCES. THE COST OF STREET PAVEMENT, CURB, GUTTER AND SIDEWALK REMOVAL AND REPLACEMENT IS TO BE INCLUDED IN THE BID PRICE. CONCRETE WORK MUST BE DONE BY A LICENSE CONCRETE CONTRACTOR UNDER DPW PERMIT IN ACCORDANCE WITH DPW SPECIFICATIONS. ANY AND ALL APPLICABLE PERMIT FEES ARE TO BE INCLUDED IN THE BID PRICE. TYPE 1 BARRICADES WITH FLASHERS MUST BE PLACED IN THE ROAD AFTER CURB REMOVAL. BARRICADES MUST BE PLACED AT EACH END OF WALL

8 days to complete

Parcel 12 1361 West Wright St-2 story wood frame duplex
Remove dwelling, three (3) retaining walls, patio, sidewalks, concrete steps, and railings
All else to remain. **BID PRICE MUST INCLUDE THE PROPER REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIALS OR ANY OTHER HAZARDOUS MATERIALS LISTED IN THE REPORT FROM HMG**

5 days to complete

Any waste tires at the site must be transported by a LICENSED WASTE TIRE TRANSPORTER. Licensed transporter must be listed in the list of subcontractors submitted with the bid documents – if other than prime contractor. For information on LICENSED TRANSPORTERS, contact the CITY OF MILWAUKEE WASTE TIRE COORDINATOR at 414-286-5028.

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CONTRACTOR IS REQUIRED TO CONTACT THIS DEPARTMENT TO ARRANGE FOR AN INSPECTION IF ADDITIONAL ASBESTOS-CONTAINING MATERIALS ARE FOUND IN THE BUILDING AFTER ASBESTOS ABATEMENT ACTIVITIES OR DEMOLITION HAS COMMENCED.

Any refrigerants on site must be reclaimed by a Certified CFC Reclaimer

. ***** LOCAL BUSINESS ENTERPRISE CONTRACTING STANDARDS *****
NOTE: BIDS THAT ARE ISSUED ON OR AFTER AUGUST 10, 2009 INCLUDE A LOCAL BUSINESS ENTERPRISE (LBE) BID INCENTIVE IN ACCORDANCE WITH CHAPTER 365 OF THE MILWAUKEE CODE OF ORDINANCES, PAGES 16 THROUGH 18. INFORMATION REGARDING THE LBE INCENTIVE CAN BE FOUND BY CLICKING ON THE LINK BELOW.

<http://www.city.milwaukee.gov/ImportantInformation359.htm>

IT IS YOUR RESPONSIBILITY AS A BIDDER TO FAMILIARIZE YOURSELF WITH THIS ORDINANCE PRIOR TO SUBMITTING YOUR BID.

LOCAL BUSINESS ENTERPRISE MEANS A BUSINESS WHICH:

- IS LOCATED WITHIN THE GEOGRAPHICAL BOUNDARIES OF THE CITY OF MILWAUKEE. NOTE: POST OFFICE BOX NUMBERS AND RESIDENTIAL ADDRESSES SHALL NOT SUFFICE TO ESTABLISH STATUS AS A LOCAL BUSINESS ENTERPRISE (LBE).
- HAS BEEN LOCATED AND DOING BUSINESS IN THE CITY FOR AT LEAST ONE (1) YEAR.
- IS SUBJECT TO LOCAL REAL ESTATE TAXES AND IS NOT DELINQUENT IN THE PAYMENT OF ANY LOCAL TAXES OR HAS ENTERED INTO AN AGREEMENT TO PAY ANY DELINQUENCY AND IS ABIDING BY THE TERMS OF THE AGREEMENT.

THE NOTARIZED LOCAL BUSINESS ENTERPRISE PROGRAM AFFIDAVIT OF COMPLIANCE MUST BE SUBMITTED WITH YOUR BID IN ORDER TO BE CONSIDERED FOR LBE STATUS.

DEMOLITION PROJECT OPENING 2-14-14
LOCATION AND DESCRIPTION OF BUILDINGS TO BE DEMOLISHED

Parcel Number	Address	Stories	Construc.	Occupancy	Families	Owner	Cubic Footage
1)	2333 North 17 th St	2.0	frame	dwelling	2	Private	22,000
2)	2836 North 18 th St	1.5	frame	dwelling	1	Private	14,000
3)	2449-51 North 21 st St	2.0	frame	dwelling	2	Private	33,750
4)	2776 North 21 st St	1.5 1.0	frame masonry	dwelling garage	1	Private	20,000 2,000
5)	2655 North 23 rd St	1.5	frame	dwelling	1	Private	12,000
6)	2038 North 28 th St	2.0	frame	dwelling	1	Private	27,000
7)	2404 04A North 33 rd St	2.0	frame	dwelling	2	Private	24,750
8)	2122 North 34 th St	2.0	frame	dwelling	2	Private	39,240
9)	2420 North 34 th St	2.0 1.0	frame masonry	dwelling garage	2	Private	30,750 4,500
10)	2511 North 37 th St.	1.5	frame	dwelling	1	Private	17,500
11)	1426 West Groeling Ave	1.0 1.0	frame steel	dwelling garage	1	Private	11,200 3,240
12)	1361-63 West Wright St	2.0	frame	dwelling	2	Private	17,000

Demolition contractor has the responsibility of verifying the listed information before bid is submitted. Bid is to be based upon contractor's own inspection of the structures and sites. No guarantee is made as to the accuracy of the above listed information, and the bid/contract shall not be invalidated by any errors in the descriptions and sizes listed.

BUILDING INSPECTION DEMOLITION PROJECTS

FORMAL BIDS

The complete Bid Documents shall include three Bids for Demolition forms, one Noncollusion Affidavit of Prime Bidder, one Bid Bond form, one Bid Bond Form Affidavit, one Certificate as to Corporate Principal a complete List of Subcontractors, a completed Form B (Affidavit of Compliance with the Small Business, Enterprise Provisions), and the Price Break down sheet. LBE forms must be filled out and included to be considered as Local Business Enterprise.

The demolition contractor must include the plumbing contractor and the asbestos contractor certified CFC reclaimer, licensed waste tires transporters and concrete contractor in the list of Subcontractors. The contractor is responsible for any and all asbestos in buildings, and the cost should be included in bids at the time of bid opening.

Successful bidder will be required to submit a completed Form A regarding participation before the contract will be awarded.

If any bidder has any questions as to the Bid Documents or Specifications, please contact this office by calling 286-2500.



ASBESTOS INSPECTION REPORT

Job Site:

**2 Family Dwelling
2333 North 17th 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.: 12-0210.2333
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

December 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 2333 North 17th Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On December 7, 2012, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2333 North 17th 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, window glazing compound, linoleum, leveling compound, flue packing, duct paper, ceiling tile, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2333	Exterior – east wall under wood siding – paper insulation	Negative	N/A	MPI
2-2333	Exterior – south wall under wood siding – paper insulation	Negative	N/A	MPI
3-2333	Exterior – north wall under wood siding – paper insulation	Negative	N/A	MPI
4-2333	1 st floor – pantry – tan and black linoleum	Negative	N/A	MFLtk
5-2333	1 st floor – pantry – north window – glazing compound	Negative	N/A	MPG
6-2333	2 nd floor – kitchen – west window – glazing compound	Negative	N/A	MPG
7-2333	Basement – south window – glazing compound	Negative	N/A	MPG
8-2333	2 nd floor – bathroom – north room – cream and gray linoleum	Negative	N/A	MFLcy
9-2333	2 nd floor – bathroom – south room – beige linoleum	Negative	N/A	MFLe
10-2333	2 nd floor – bathroom – at east door – leveling compound	Negative	N/A	MLC
11-2333	2 nd floor – dining room – west side – tan linoleum	Positive 20% Chrysotile	15 Sq. Ft.	MFLt
12-2333a	2 nd floor – east bedroom – south wall – plaster base coat	Negative	N/A	SPI
12-2333b	2 nd floor – east bedroom – south wall – plaster skim coat	Negative	N/A	SPI
13-2333a	2 nd floor – living room – west wall – plaster base coat	Negative	N/A	SPI
13-2333b	2 nd floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
14-2333a	2 nd floor – dining room – north wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14-2333b	2 nd floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
15-2333a	2 nd floor – pantry – east wall – plaster base coat	Negative	N/A	SPI
15-2333b	2 nd floor – pantry – east wall – plaster skim coat	Negative	N/A	SPI
16-2333a	Basement – west room – ceiling – plaster base coat	Negative	N/A	SPI
16-2333b	Basement – west room – ceiling – plaster skim coat	Negative	N/A	SPI
17-2333a	1 st floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
17-2333b	1 st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPI
18-2333a	1 st floor – center bedroom – west wall – plaster base coat	Negative	N/A	SPI
18-2333b	1 st floor – center bedroom – west wall – plaster skim coat	Negative	N/A	SPI
19-2333	2 nd floor – kitchen – east side – tan and brown linoleum	Positive 20% Chrysotile	216 Sq. Ft.	MFLtn
20-2333	2 nd floor – kitchen – center – tan and brown linoleum	Positive 20% Chrysotile	Reference #19-2333	MFLtn
21-2333	2 nd floor – kitchen – west side – tan and brown linoleum	Positive 20% Chrysotile	Reference #19-2333	MFLtn
22-2333	Basement – on chimney – flue packing	Positive 2% Chrysotile	1 Sq. Ft.	TFP
23-2333	Basement – on boot – duct paper	Positive 60% Chrysotile	90 Sq. Ft.	TDW
24-2333	Basement – on return seam – duct paper	Positive 60% Chrysotile	Reference #23-2333	TDW
25-2333	2 nd floor – east bedroom – on west wall duct – duct paper	Positive 60% Chrysotile	Reference #23-2333	TDW
26-2333	1 st floor – dining room – west side – 2' x 4' rough texture ceiling tile	Negative	N/A	MSCT24R
27-2333	1 st floor – dining room – center – 2' x 4' rough texture ceiling tile	Negative	N/A	MSCT24R
28-2333	1 st floor – dining room – east side – 2' x 4' rough texture ceiling tile	Negative	N/A	MSCT24R
29-2333a	1 st floor – bathroom – east wall – drywall	Negative	N/A	MDW
29-2333b	1 st floor – bathroom – east wall – joint compound	Negative	N/A	MDW
30-2333a	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
30-2333b	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
31-2333	2 nd floor – stair – south wall – drywall	Negative	N/A	MDW
32-2333	1 st floor – living room – 2' x 4' grooved ceiling tile	Negative	N/A	MSCT24G
33-2333	Quality Assurance/ Quality Control Sample of Sample 4-2333	Negative	N/A	QAQC
34-2333	Quality Assurance/ Quality Control Sample of Sample 8-2333	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	1,100 Sq. Ft.
1 st	Living Room/Dining Room/Bedrooms/Kitchen/Bathroom	Floor Tile & Mastic	1,000 Sq. Ft.
1 st	Pantry	Floor Mastic	30 Sq. Ft.
2 nd	Kitchen/Bathroom/Dining Room	Floor Mastic	320 Sq. Ft.
2 nd	Dining Room	Floor Tile & Mastic	180 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPI	Paper Insulation
MPG	Window Glazing Compound
MFLtk	Tan & Black Linoleum
MFLcy	Cream & Gray Linoleum
MFLe	Beige Linoleum
MFLt	Tan Linoleum
MLC	Leveling Compound
MSCT24R	2' x 4' Rough Texture Ceiling Tile
MSCT24G	2' x 4' Grooved Ceiling Tile
MDW	Drywall/Joint Compound
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: 3 ducts observed going into basement ceiling with duct paper. Additional duct paper may be discovered 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.

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 2 nd 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 – 2 Furnaces and 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 – 1 Breaker Box & 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> 1 </u>	Transformers – Basement
<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> 2 </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 in Basement

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 Method' 600/R-93/116, EPA 600/M4-82-020

Using SLI A6

ACCOUNT #: 4001-12-821
CLIENT: Harenda Management Group
ADDRESS: 1237 West Bruce Street
 Milwaukee, WI 53204

DATE COLLECTED:
DATE RECEIVED: 12/10/2012
DATE ANALYZED: 12/12/2012
DATE REPORTED: 12/12/2012

PROJECT NAME: DNS**JOB LOCATION:****PROJECT NO.:** 12-0210.2333**PO NO.:****SampleType:** BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
1-2333	31710605	Layer 1: Fibrous Material Red, Fibrous	None Detected	65% CELLULOSE FIBER 15% METAL FOIL 20% NON FIBROUS MATERIAL
2-2333	31710606	Layer 1: Fibrous Material Red, Fibrous	None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
3-2333	31710607	Layer 1: Fibrous Material Red, Fibrous	None Detected	65% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 20% NON FIBROUS MATERIAL
4-2333	31710608	Layer 1: Flooring Beige, Org.Bound/Fibrous	None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
5-2333	31710609	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.

Visit www.slabin.com for current certifications.

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

Account - Workorder 4001-12-821 (Continued)

Page 2 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
6-2333	31710610			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
7-2333	31710611			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
8-2333	31710612			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
9-2333	31710613			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
10-2333	31710614			
Layer 1:	Granular Material Beige, Granular		None Detected	100% NON FIBROUS MATERIAL
11-2333	31710615			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
12-2333	31710616			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
13-2333	31710617			
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: 5

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Account - Workorder 4001-12-821 (Continued)

Page 3 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
14-2333	31710618			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
15-2333	31710619			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
16-2333	31710620			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
17-2333	31710621			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
18-2333	31710622			
Layer 1:	Plaster Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Skim Coat White, Granular		None Detected	100% NON FIBROUS MATERIAL
19-2333	31710623			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

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Account - Workorder 4001-12-821 (Continued)

Page 4 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
20-2333	31710624			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
21-2333	31710625			
Layer 1:	Flooring Beige, Org.Bound/Fibrous		20% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
22-2333	31710626			
Layer 1:	Granular Material Gray, Granular		2% CHRYSOTILE	98% NON FIBROUS MATERIAL
23-2333	31710627			
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
24-2333	31710628			
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
25-2333	31710629			
Layer 1:	Insulation White, Fibrous		60% CHRYSOTILE	20% CELLULOSE FIBER 10% MINERAL/GLASS WOOL 10% NON FIBROUS MATERIAL
26-2333	31710630			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
27-2333	31710631			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
28-2333	31710632			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

Total Number of Pages in Report: 5

Results relate only to samples as received by the laboratory.

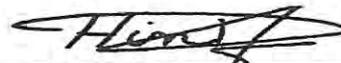
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Account - Workorder 4001-12-821 (Continued)

Page 5 (Continued)

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
29-2333	31710633			
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
30-2333	31710634			
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
31-2333	31710635			
Layer 1:	Drywall Beige, Powdery No Joint Compound Found.		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
32-2333	31710636			
Layer 1:	Ceiling Tile Beige, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
33-2333	31710637			
Layer 1:	Flooring Beige/Black, Org.Bound/Fibrous		None Detected	35% CELLULOSE FIBER 15% MINERAL/GLASS WOOL 50% NON FIBROUS MATERIAL
34-2333	31710638			
Layer 1:	Flooring Tan, 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

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WO L#
 WorkOrderKey

 V: \ 926 \ 926453

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

Submitting Co. **Harenda Management Group**

P.O. Box 511305
 New Berlin, WI 53151

Lab Use-WO # **4001-12-821**

Acct # **4001**

Project Name: **DNS**

Project Location: **DO NOT ANALYZE MASTICS**

Project Number: **12-0210, 2333**

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 checked="" type="checkbox"/> 2 business day* <input type="checkbox"/> 3 business days* <input type="checkbox"/> 5 business days* <input type="checkbox"/> Full TCLP (10d) <input type="checkbox"/> Weekend* * not available for all tests Schedule rush organics, multi-metals & weekend tests in advance.	All samples on form should be of SAME matrix type. Use additional forms as needed. <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> _____ <input type="checkbox"/> Soil <input type="checkbox"/> _____	Asbestos Air / Fiber Counts <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <input type="checkbox"/> _____ Miscellaneous Tests: <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> _____	Asbestos Bulk / Asb ID <input checked="" type="checkbox"/> PLM (EPA 600, 1982) <input type="checkbox"/> PLM (EPA Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP 198.1/4/6 <input type="checkbox"/> CAELAP (EPA Interim) <input type="checkbox"/> TEM (Chatfield) <input type="checkbox"/> _____ FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED: _____	Metals-Total Conc. <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> _____ 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	
1-2333										
2-2333										
3-2333										
4-2333										
5-2333										
6-2333										
7-2333										
8-2333										
9-2333										
10-2333										
11-2333										
12-2333										

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 **12/7/12 17:00**

R E C E I V E D
 DEC 10 11:30
 CS 2463 8:30

FX
 UPS
 USM
 HD
 DB
 WB: _____



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

WO Label:

Submitting Co. Harenda Management Group	Lab Use- WO #	Acct #	Phone #	414-383-4800
P.O. Box 511305			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: **12-0210, 2333**

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 checked="" type="checkbox"/> 2 business day* <input 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 198.17.4/6 <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 (ft ²)	Type ¹ A, B, P, E	Time ²		Flow Rate ³		Total ⁴ Air Vol
						Start	Stop	Start	Stop	
13-2333										
14-2333										
15-2333										
16-2333										
17-2333										
18-2333										
19-2333										
20-2333										
21-2333										
22-2333										
23-2333										
24-2333										

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 12/7/12 17:00
--	---

RECEIVED

DEC 10 2012

[Handwritten: 2463 8:34]

BY: TIWA OLACBAJU

<input checked="" type="checkbox"/> FX <input checked="" 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 #

Acct #

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, Z333

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 checked="" type="checkbox"/> 2 business day* <input 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"/> Resp. Dust (NIOSH 0500) <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	
25-2333										
26-2333										
27-2333										
28-2333										
29-2333										
30-2333										
31-2333										
32-2333										
33-2333										
34-2333										

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

Sampled by
NAME _____
SIGNATURE _____
DATE/TIME _____

Relinquished to lab by
NAME Dean Jacobsen
SIGNATURE *[Signature]*
DATE/TIME 12/7/12 17:00

RECEIVED
DEC 10
2463 8:30
BY: TWA CLACAN

FX
 UPS
 USM
 HD
 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"
AI-14370	Exp: 12/01/2013	12/12/1963	Male

Training due by: 12/01/2013



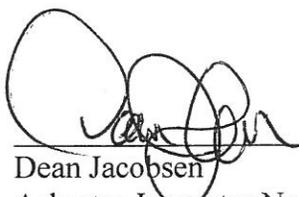
ASBESTOS INSPECTION REPORT

Job Site:
“Fire Damaged”
1 Family Dwelling
2836 North 18th Street
Milwaukee, Wisconsin

For:

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

HMG Report No.: 13-2000-068.2904
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

June 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 2836 North 18th Street, Milwaukee, Wisconsin.

The inspection included texture, plaster, tar paper, window glazing compound, drywall/joint compound, fiberboard and duct wrap 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 17, 2013, HMG conducted an asbestos inspection of a one family dwelling scheduled for mechanical demolition, located at 2836 North 18th 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) texture, plaster, tar paper, window glazing compound, drywall/ joint compound, fiberboard and duct wrap. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2836	2 nd floor – west room – south wall – texture	Negative	N/A	STX
2-2836	2 nd floor – hallway – ceiling – texture	Negative	N/A	STX
3-2836	2 nd floor – hallway – north wall – texture	Negative	N/A	STX
4-2836	Stairwell – west wall – texture	Negative	N/A	STX
5-2836	1 st floor – living room – west wall – texture	Negative	N/A	STX
6-2836a	2 nd floor – west room – south wall – plaster skim coat	Trace <1% Chrysotile	N/A	SP1
6-2836a	POINT COUNT ANALYSIS	Trace <0.25% Chrysotile	N/A	SP1
6-2836b	2 nd floor – west room – south wall – plaster base coat	Negative	N/A	SP1
7-2836a	Stairwell – west wall – plaster skim coat	Negative	N/A	SP1
7-2836b	Stairwell – west wall – plaster base coat	Negative	N/A	SP1
8-2836a	1 st floor – dining room – east wall – plaster skim coat	Negative	N/A	SP1
8-2836b	1 st floor – dining room – east wall – plaster base coat	Negative	N/A	SP1
9-2836a	1 st floor – north bedroom – south wall – plaster skim coat	Negative	N/A	SP1
9-2836b	1 st floor – north bedroom – south wall – plaster base coat	Negative	N/A	SP1
10-2836a	1 st floor – kitchen – south wall – plaster skim coat	Negative	N/A	SP1
10-2836b	1 st floor – kitchen – south wall – plaster base coat	Negative	N/A	SP1
11-2836	2 nd floor – west room – south wall – black tar paper	Negative	N/A	MPT
12-2836	2 nd floor – south bedroom – east wall – black tar paper	Negative	N/A	MPT
13-2836	2 nd floor – north bedroom – west wall – black tar paper	Negative	N/A	MPT
14-2836	2 nd floor – west room – west window – window glazing compound	Negative	N/A	MPG
15-2836	1 st floor – bathroom – north window – window glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
16-2836	Basement – west area – south west window – window glazing compound	Negative	N/A	MPG
17-2836a	2 nd floor – east room – south wall – drywall	Negative	N/A	MDW
17-2836b	2 nd floor – east room – south wall – joint compound	Negative	N/A	MDW
18-2836a	2 nd floor – north bedroom – south wall – drywall	Negative	N/A	MDW
18-2836b	2 nd floor – north bedroom – south wall – joint compound	Negative	N/A	MDW
19-2836a	1 st floor – living room – ceiling – Drywall	Negative	N/A	MDW
19-2836b	1 st floor – living room – ceiling – Joint Compound	Negative	N/A	MDW
19-2836c	1 st floor – living room – ceiling – Plaster	Negative	N/A	MDW
20-2836	Basement – west area – west ceiling – fiberboard <i>***This includes 1st floor north bedroom</i>	Positive 70% Chrysotile	40 Sq. Ft.	MFB
21-2836	Basement – west area – south ceiling – drywall	Negative	N/A	MDW #2
22-2836	Basement – west area – north ceiling – drywall	Negative	N/A	MDW #2
23-2836	Basement – east area – ceiling – drywall	Negative	N/A	MDW #2
24-2836	Basement – west area center boot – duct wrap	Positive 65% Chrysotile	5 Sq. Ft.	TDW
25-2836	1 st floor – kitchen – ceiling – texture # 2	Negative	N/A	STX #2
26-2836a	1 st floor – dining room – on floor – texture # 2	Negative	N/A	STX #2
26-2836b	1 st floor – dining room – on floor – drywall	Negative	N/A	STX #2
27-2836	1 st floor – north bedroom – south wall – texture #2	Negative	N/A	STX #2
28-2836	Quality Assurance/Quality Control Sample of Sample # 12-2836	Negative	N/A	QA/QC
29-2836	Quality Assurance/Quality Control Sample of Sample # 14-2836	Negative	N/A	QA/QC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	396 Sq. Ft.
2 nd	West Bedroom	Floor Tile & Mastic	144 Sq. Ft.

Homogeneous Material Codes

STX	Texture
SPI	Plaster
MPT	Tar Paper
MPG	Window Glazing Compound
MDW	Drywall/Joint Compound
MFB	Fiberboard
MDW #2	Drywall No. 2
TDW	Duct Wrap
STX #2	Texture No. 2
QAQC	Quality Assurance Quality Control

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 wrap may be discovered between structural walls and ceilings. Exploratory demolition is required for exact quantity.

Note#5: Estimated cost for friable asbestos removal



V. EXCLUSIONS

Roof visible only from ground. No other area's or materials 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 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 – Basement
<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 – 1 st floor bathroom |
| <u>N/A</u> | High Intensity Discharge
-Metal Halide
-High Pressure Sodium
-Mercury Vapor |
| <u>N/A</u> | Neon |
| <u>N/A</u> | Switches for lighting using mercury relays
-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches. |

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

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. 221676	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/20/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 05/28/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2836

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
002	2-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
003	3-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
004	4-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005	5-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
006	6-2836	Layered	White Skim Coat	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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



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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2836

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7-2836	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
007a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8-2836	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9-2836	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
010	10-2836	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 221676	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 05/20/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 05/28/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2836

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11-2836	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
012	12-2836	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
013	13-2836	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
014	14-2836	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15-2836	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	16-2836	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2836

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17-2836	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
017a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
018	18-2836	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
019	19-2836	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
019b		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Binder

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

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



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Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2836

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20-2836	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	NA	Binder
021	21-2836	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
022	22-2836	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
023	23-2836	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
024	24-2836	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 25	Binder
025	25-2836	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26-2836	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 221676 Account Number: B929 Date Received: 05/20/2013 Received By: Joanna Mueller Date Analyzed: 05/28/2013 Analyzed By: Gayle Ooten Methodology: EPA/600/R-93/116 Client: Harenda Management Group Jolene Harenda P.O. Box 511305 New Berlin, WI 53151-2105 Project: DNS Project Location: Milwaukee, WI Project Number: 13-2000-068.2836

Table with 7 columns: QuanTEM Sample ID, Client Sample ID, Composition, Color / Description, Asbestos (%), Non-Asbestos Fiber (%), Non Fibrous. Rows include samples 026a, 027, 028, and 029 with their respective analysis results.

Handwritten signature of Gayle Ooten, Analyst

5/28/2013 Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Lab No. 221676
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI
No.	Sample ID (to Characters Max)	Description	Comments / Notes
11	11-2836		Do NOT Analyze/Mark
12	12-2836		
13	13-2836		
14	14-2836		
15	15-2836		
16	16-2836		
17	17-2836		
18	18-2836		
19	19-2836		
20	20-2836		
21	21-2836		
22	22-2836		
23	23-2836		
24	24-2836		
25	25-2836		
26	26-2836		
27	27-2836		
28	28-2836		
29	29-2836		
30			

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"
AI-14370	Exp. 12/01/2013	12/12/1963	Male

Training due by: 12/01/2013



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**Two Family Dwelling
2449-51 North 21st Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-399.2449
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2449-51 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall, linoleum, ceramic tile, fiberboard, duct paper, flue pack, window glazing compound, insulation pad, and paper 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 December 10, 2013, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2449-51 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055.

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 included plaster, drywall, linoleum, ceramic tile, fiberboard, duct paper, flue pack, window glazing compound, insulation pad, and paper insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2499a	1 st floor – living room – east wall – patch layer	Negative	N/A	SPI
1-2499b	1 st floor – living room – east wall – plaster	Negative	N/A	SPI
2-2499	1 st floor – dining room – north wall – plaster	Negative	N/A	SPI
3-2499a	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
3-2499b	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
4-2499a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
4-2499b	1 st floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
5-2499	2 nd floor – north bedroom – south wall – plaster	Negative	N/A	SPI
6-2499	2 nd floor – dining room – east wall – plaster	Negative	N/A	SPI
7-2499	2 nd floor – living room – west wall – plaster	Negative	N/A	SPI
8-2499	1 st floor – kitchen – east wall – drywall	Negative	N/A	MDW
9-2499	1 st floor – west bedroom – south wall – drywall	Negative	N/A	MDW
10-2499	1 st floor – bathroom – north wall – drywall	Negative	N/A	MDW
15-2449a	1 st floor – bathroom – tub wall – blue ceramic tile	Negative	N/A	MCTMb
15-2449b	1 st floor – bathroom – tub wall – grout	Negative	N/A	MCTMb
16-2449	1 st floor – hall – tan linoleum	Negative	N/A	MFLt
17-2449	2 nd floor – bathroom floor – fiberboard	Negative	N/A	MFB
18-2449	1st floor – dining room – on wall duct – duct paper	Positive 65% Chrysotile	110 Sq. Ft.	TDW
19-2449	2nd floor – kitchen – on wall duct – duct paper	Positive 70% Chrysotile	Reference 18-2449	TDW
20-2449	Basement – on returns – duct paper	Positive 70% Chrysotile	Reference 18-2449	TDW
21-2449a	Basement – on chimney bottom layer – white flue packing	Negative	N/A	TFPw
21-2449b	Basement – on chimney top layer – gray flue packing	Negative	N/A	TFPw
22-2449	1 st floor – kitchen – south window – glazing compound	Negative	N/A	MPG
23-2449	2nd floor – west bedroom – west window – glazing compound	Positive 3% Chrysotile	40 Windows	MPG
24-2449	Basement – south window – glazing compound	Positive 3% Chrysotile	Reference 23-2449	MPG
25-2449	Basement – on east wall – insulation pad	Positive 15% Chrysotile	1 Sq. Ft.	TIP

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
26-2449	1 st floor – front entry – under floor tile – paper insulation	Negative	N/A	MPI

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	Hall/Kitchen/Bathroom/Stair	Floor Tile & Mastics	300 Sq. Ft.
2nd	Kitchen	Floor Tile & Mastic	130 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall
MCTMb	Blue Ceramic Tile
MFLt	Tan Linoleum
MFB	Fiberboard
MPG	Glazing Compound
MPI	Paper Insulation
MFLI	Yellow Linoleum
TFPy	Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper
TIP	Insulation Pad

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.

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

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<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>4</u>	Fluorescent Lights – 1 st & 2 nd Floors
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Water Meter & 10 Gallons Paint in Basement

* 25 Gallons Paint in 1st Floor Kitchen & West Bedroom

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. 229899	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/11/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399-2449

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2449	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2-2449	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3-2449	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4-2449	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229899

Account Number: B929

Date Received: 12/11/2013

Received By: Joanna Mueller

Date Analyzed: 12/13/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

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

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399-2449

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5-2449	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6-2449	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
007	7-2449	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8-2449	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
009	9-2449	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
010	10-2449	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
011	15-2449	Layered	Blue Plastic	Asbestos Not Present	NA	Plastic

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229899	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/11/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399-2449

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
012	16-2449	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
013	17-2449	Homogeneous	Gray Fiberboard	Asbestos Not Present	Cellulose 90	Binder
014	18-2449	Homogeneous	White Insulation	Asbestos Present Chrysotile 65	Cellulose 30	Binder
015	19-2449	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
016	20-2449	Homogeneous	White Insulation	Asbestos Present Chrysotile 70	Cellulose 25	Binder
017	21-2449	Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229899

Account Number: B929

Date Received: 12/11/2013

Received By: Joanna Mueller

Date Analyzed: 12/13/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399-2449

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	22-2449	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	23-2449	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
020	24-2449	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3

Gayle Ooten, Analyst

12/13/2013

Date of Report

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

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For Lab Use Only
 Lab No. 229899
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 13-2000-399.2449 PO Number:	
--	--	--	--

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 12/10/13 800	VIA FedEx	RECEIVED BY <i>J. Muller</i>	DATE & TIME 12/11/13 10:30
---	-----------------------------	--------------	---------------------------------	-------------------------------

REQUESTED SERVICES (Please check the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	PLM		TEM		TURNAROUND TIME								
							<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> Particle ID	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Dust- Presence / Absence
1	1-2449	<input checked="" type="checkbox"/>																	
2	2-2449	<input type="checkbox"/>																	
3	3-2449	<input type="checkbox"/>																	
4	4-2449	<input type="checkbox"/>																	
5	5-2449	<input type="checkbox"/>																	
6	6-2449	<input type="checkbox"/>																	
7	7-2449	<input type="checkbox"/>																	
8	8-2449	<input type="checkbox"/>																	
9	9-2449	<input type="checkbox"/>																	
10	10-2449	<input checked="" type="checkbox"/>																	



ASBESTOS CHAIN OF CUSTODY
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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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For Lab Use Only
Lab No. <u>229899</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	15-2449	<input checked="" type="checkbox"/>				
12	16-2449	<input type="checkbox"/>				
13	17-2449	<input type="checkbox"/>				
14	18-2449	<input type="checkbox"/>				
15	19-2449	<input type="checkbox"/>				
16	20-2449	<input type="checkbox"/>				
17	21-2449	<input type="checkbox"/>				
18	22-2449	<input type="checkbox"/>				
19	23-2449	<input type="checkbox"/>				
20	24-2449	<input checked="" type="checkbox"/>				Do Not Analyze Mastic
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229948

Account Number: B929

Date Received: 12/12/2013

Received By: Joanna Mueller

Date Analyzed: 12/13/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2449

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	25-2449	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 15	Cellulose	3 CaCO3 Binder
002	26-2449	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
002a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60 Tar

Cristal Veech, Analyst

12/13/2013

Date of Report

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

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IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN
Dept. of Health Services

Jazmin K C Spears
1237 W Bruce St
Milwaukee WI 53204-1218

		198 lbs	5' 08"
All-111055	Exp: 03/27/2014	10/19/1974	Male

Training due by: 03/27/2014



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
2776 North 21st Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-399.2776
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2776 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall/joint compound, linoleum, tar paper, fiberboard, ceramic tile, window glazing compound, 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 December 10, 2013, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 2776 North 21st 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 included plaster, drywall/joint compound, linoleum, tar paper, fiberboard, ceramic tile, window glazing compound, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2776a	Attic – south wall – joint compound	Negative	N/A	MDW
1-2776a	Attic – south wall – drywall	Negative	N/A	MDW
2-2776a	1 st floor – rear hall – east wall – joint compound	Negative	N/A	MDW
2-2776b	1 st floor – rear hall – east wall – joint compound 2 nd layer	Negative	N/A	MDW
2-2776c	1 st floor – rear hall – east wall – drywall	Negative	N/A	MDW
3-2776a	1 st floor – bathroom – west wall – joint compound	Negative	N/A	MDW
3-2776a	1 st floor – bathroom – west wall – drywall	Negative	N/A	MDW
4-2776a	Basement – stair – west wall – plaster skim coat	Negative	N/A	SPI
4-2776b	Basement – stair – west wall – plaster base coat	Negative	N/A	SPI
5-2776	1 st floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPI
6-2776a	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
6-2776b	1 st floor – living room – south wall – plaster base coat	Negative	N/A	SPI
7-2776a	1 st floor – south room – south wall – plaster skim coat	Negative	N/A	SPI
7-2776b	1 st floor – south room – south wall – plaster base coat	Negative	N/A	SPI
8-2776a	1 st floor – pantry – east wall – patch layer	Negative	N/A	SPI
8-2776b	1 st floor – pantry – east wall – plaster skim coat	Negative	N/A	SPI
8-2776c	1 st floor – pantry – east wall – plaster base coat	Negative	N/A	SPI
9-2776	1 st floor – closet – under plywood – brown linoleum #2	Negative	N/A	MFLn2
10-2776	1 st floor – hall – under plywood – brown linoleum #2	Negative	N/A	MFLn2
11-2776	1 st floor – bathroom – under plywood – brown linoleum #2	Negative	N/A	MFLn2
12-2776a	1 st floor – bathroom – under brown linoleum – tar paper	Negative	N/A	MPT
12-2776b	1 st floor – bathroom – under tar paper – gray linoleum	Negative	N/A	MFLy

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
13-2776	1 st floor – kitchen floor – bottom layer – tar paper	Negative	N/A	MPT
14-2776	1 st floor – closet floor – bottom layer – tar paper	Negative	N/A	MPT
15-2776	Attic – north wall – fiberboard	Negative	N/A	MFB
16-2776	Attic stair – north wall – fiberboard	Negative	N/A	MFB
17-2776	Attic – ceiling – fiberboard	Negative	N/A	MFB
18-2776	1 st floor – kitchen – west side under plywood – brown linoleum	Negative	N/A	MFLn
19-2776	1 st floor – kitchen – center under plywood – brown linoleum	Negative	N/A	MFLn
20-2776	1 st floor – kitchen – east side under plywood – brown linoleum	Negative	N/A	MFLn
21-2776	1 st floor – closet floor – cream ceramic tile	Negative	N/A	MCTMc
22-2776	1 st floor – south room – south window – glazing compound	Negative	N/A	MPG
23-2776	1 st floor – living room – north window – glazing compound	Negative	N/A	MPG
24-2776	Basement – north window – glazing compound	Negative	N/A	MPG
25-2776	Basement – on chimney – flue packing	Positive 20% Chrysotile	1 Sq. Ft.	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	900 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	130 Sq. Ft.
1 st	Living Room/Kitchen/ Bathroom/South Room	Floor Tile & Mastic	620 Sq. Ft.
1 st	Hall/Closet	Floor Mastic	70 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall/Joint Compound
MFB	Fiberboard
MFLn	Brown Linoleum
MFLn2	Brown Linoleum #2
MFLy	Gray Linoleum
MPT	Tar Paper
MCTMc	Cream Ceramic Tile
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: Estimated cost for friable asbestos removal [REDACTED]

V. EXCLUSIONS

Garage interior not accessible. Basement floor covered with debris and only partially accessible. Roofs 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, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229935

Account Number: B929

Date Received: 12/12/2013

Received By: Joanna Mueller

Date Analyzed: 12/12/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2776

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2776	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Sheetrock	Asbestos Not Present	NA	Gypsum
002	2-2776	Layered	White Texture	Asbestos Not Present	NA	Sand CaCO3 Paint
002a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
002b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	3 Gypsum
003	3-2776	Layered	White Texture	Asbestos Not Present	NA	Sand CaCO3 Paint
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum

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

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



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Milwaukee, WI 53204

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4-2776	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004a		Layered	White Plaster	Asbestos Not Present	Glass Fiber Hair	4 Sand 2 CaCO3
005	5-2776	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 3 CaCO3 Paint
006	6-2776	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	<1 Sand 2 CaCO3
007	7-2776	Layered	Blue Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	Hair	<1 Sand CaCO3

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229935

Account Number: B929

Date Received: 12/12/2013

Received By: Joanna Mueller

Date Analyzed: 12/12/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2776

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2776	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
008b		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	3 Sand 2 CaCO3
009	9-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose	30 Tar Binder
010	10-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose	30 Tar Binder
011	11-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose	30 Tar Binder
012	12-2776	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar

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Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2776

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Gray Flooring	Asbestos Not Present	Cellulose 60 Synthetic 40	
013	13-2776	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
014	14-2776	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
015	15-2776	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 90	Paint
016	16-2776	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 95	Binder
017	17-2776	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 95	Binder
018	18-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Binder

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Quantem Lab No. 229935

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Date Received: 12/12/2013

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Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2776

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019	19-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Binder
020	20-2776	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 30	Binder
021	21-2776	Homogeneous	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
022	22-2776	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
023	23-2776	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
024	24-2776	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
025	25-2776	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/12/2013	Project: DNS
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Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2776

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Cristal Veech, Analyst

12/12/2013

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 229935
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other email

Contact Information
 Company: **Harenda Management Group** Phone: **(414) 383-4800**
 Contact: **Dean Jacobsen** Cell Phone:
 Account #: **B929** E-mail: **djacobsen@harenda.com**
 SAMPLED BY: Name: Date:
Project Information
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **13-2000-399-2776**
 P.O. Number:

RELINQUISHED BY: [Signature] DATE & TIME: 12/11/13 1800 VIA: FedEx
 RECEIVED BY: [Signature] DATE & TIME: 12/12/13 10:45

REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM		TEM		TURNAROUND TIME
		Air- AHERA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Color	Volume / Area (as applicable)	Comments / Notes
1	1-2776	<input checked="" type="checkbox"/>				
2	2-2776	<input type="checkbox"/>				
3	3-2776	<input type="checkbox"/>				
4	4-2776	<input type="checkbox"/>				
5	5-2776	<input type="checkbox"/>				
6	6-2776	<input type="checkbox"/>				
7	7-2776	<input type="checkbox"/>				
8	8-2776	<input type="checkbox"/>				
9	9-2776	<input type="checkbox"/>				
10	10-2776	<input checked="" type="checkbox"/>				Do Not Analyze / Asstc



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. 229935
 Accept Reject

Project Information		Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2776				Do Not Analyze ↓
12	12-2776				
13	13-2776				
14	14-2776				
15	15-2776				
16	16-2776				
17	17-2776				
18	18-2776				
19	19-2776				
20	20-2776				
21	21-2776				
22	22-2776				
23	23-2776				
24	24-2776				
25	25-2776				
26					
27					
28					
29					
30					

IX. HMG CERTIFICATION

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services



Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

		150 lbs	5' 01"
AII-156385	Exp: 09/26/2014	09/08/1971	Female

Training due by: 09/26/2014



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
2655 North 23rd 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.: 13-2000-399.2665
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2655 North 23rd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On December 10, 2013, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2655 North 23rd 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 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 included plaster, texture, drywall/joint compound, window glazing compound, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2655a	1 st floor – living room – south wall – patch layer	Trace <1% Chrysotile	N/A	SPI
1-2655a	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	SPI
1-2655b	1 st floor – living room – south wall – plaster	Negative	N/A	SPI
2-2655a	1 st floor – bathroom – ceiling – patch layer	Negative	N/A	SPI
2-2655b	1 st floor – bathroom – ceiling – plaster skim coat	Negative	N/A	SPI
2-2655c	1 st floor – bathroom – ceiling – plaster base coat	Negative	N/A	SPI
3-2655a	1 st floor – dining room – west wall – patch layer	Negative	N/A	SPI
3-2655b	1 st floor – dining room – west wall – plaster skim coat	Negative	N/A	SPI
3-2655c	1 st floor – dining room – west wall – plaster base coat	Negative	N/A	SPI
4-2655a	1 st floor – pantry – east wall – patch layer	Negative	N/A	SPI
4-2655b	1 st floor – pantry – east wall – plaster skim coat	Negative	N/A	SPI
4-2655c	1 st floor – pantry – east wall – plaster base coat	Negative	N/A	SPI
5-2655a	1 st floor – kitchen – north wall – patch layer	Negative	N/A	SPI
5-2655b	1 st floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
5-2655c	1 st floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
6-2655	1 st floor – north bedroom – east wall – plaster	Negative	N/A	SPI
7-2655	Basement – stair – west wall – plaster	Negative	N/A	SPI
8-2655a	1 st floor – front entry – north wall – joint compound	Negative	N/A	MDW
8-2655b	1 st floor – front entry – north wall – drywall	Negative	N/A	MDW
9-2655	2 nd floor – hall – south wall – drywall	Negative	N/A	MDW
10-2655a	2 nd floor – bedroom – north wall – joint compound	Negative	N/A	MDW
10-2655b	2 nd floor – bedroom – north wall – drywall	Negative	N/A	MDW
15-2655	1 st floor – living room – west wall – texture	Negative	N/A	STX
16-2655	1 st floor – bathroom – south wall – texture	Negative	N/A	STX
17-2655	2 nd floor – hall – ceiling – texture	Negative	N/A	STX
18-2655	1 st floor – dining room closet – green linoleum	Negative	N/A	MFLg
19-2655	1 st floor – living room – north window – glazing compound	Negative	N/A	MPG
20-2655	1 st floor – kitchen – west window – glazing compound	Negative	N/A	MPG
21-2655	Basement – south window – glazing compound	Negative	N/A	MPG

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	500 Sq. Ft.
1 st	Kitchen/Bathroom/Dining Room	Floor Tile & Mastics	200 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MDW	Drywall/Joint Compound
MFLg	Green Linoleum
MPG	Glazing Compound

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

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

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

V. EXCLUSIONS

Basement flooded and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & 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

<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 – Basement
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 229900	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/11/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/16/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2655

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2655	Layered	White Joint Compound	Asbestos Present Chrysotile <1	Cellulose	2 Gypsum Perlite Paint
001a		Layered	White Plaster	Asbestos Not Present	Glass Fiber	3 Sand CaCO3
002	2-2655	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Perlite Paint
002a		Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3
002b		Layered	White Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 4 CaCO3
003	3-2655	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Perlite Paint
003a		Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3

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

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



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Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/16/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2655

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003b		Layered	White Plaster	Asbestos Not Present	Glass Fiber 3	Sand CaCO3
004	4-2655	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Perlite Paint
004a		Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3
004b		Layered	White Plaster	Asbestos Not Present	Hair <1	Sand CaCO3
005	5-2655	Layered	Brown Mastic	Asbestos Not Present	Cellulose 3	Binder
005a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005b		Layered	White Plaster	Asbestos Not Present	Glass Fiber 2 Hair 4	Sand CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229900	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/11/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/16/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2655

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	6-2655	Homogeneous	White Plaster	Asbestos Not Present	Hair 3	Sand CaCO3 Paint
007	7-2655	Homogeneous	White Plaster	Asbestos Not Present	Glass Fiber Hair <1 3	Sand CaCO3 Paint
008	8-2655	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
009	9-2655	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint
010	10-2655	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite

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Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 12/11/2013	1237 West Bruce St.
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Date Analyzed: 12/16/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2655

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	15-2655	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012	16-2655	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	Gypsum Paint
013	17-2655	Homogeneous	White Texture	Asbestos Not Present	Cellulose 5	Gypsum Paint
014	18-2655	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 30	Tar Binder
015	19-2655	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	20-2655	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

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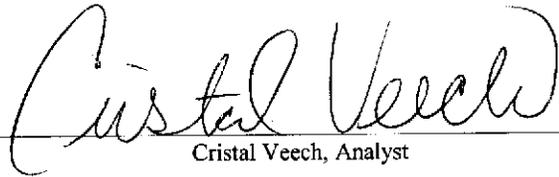


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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 229900	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/11/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/16/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2655

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	21-2655	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3


Cristal Veech, Analyst

12/16/2013
Date of Report

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (☑ one box)
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input type="checkbox"/> QuanTEM Website
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-399.2655	<input checked="" type="checkbox"/> Other email
SAMPLED BY: [Signature]	Date:	P.O. Number:	

RELINQUISHED BY: [Signature]	DATE & TIME: 12/10/13 1800	VIA: FedEx	RECEIVED BY: [Signature]	DATE & TIME: 12/11/13
------------------------------	----------------------------	------------	--------------------------	-----------------------

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2655	<input checked="" type="checkbox"/>				
2	2-2655	<input type="checkbox"/>				
3	3-2655	<input type="checkbox"/>				
4	4-2655	<input type="checkbox"/>				
5	5-2655	<input type="checkbox"/>				
6	6-2655	<input type="checkbox"/>				
7	7-2655	<input type="checkbox"/>				
8	8-2655	<input type="checkbox"/>				
9	9-2655	<input type="checkbox"/>				
10	10-2655	<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>22990</u>	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)	Comments / Notes
11	15-2655			
12	16-2655			
13	17-2655			
14	18-2655			Do Not Analyze/Waste
15	19-2655			
16	20-2655			
17	21-2655			
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230322

Account Number: B929

Date Received: 12/26/2013

Received By: Sherrie Leftwich

Date Analyzed: 12/27/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: PT CT for 229900, DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399-2655

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2655	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 0.25 400 Point Count	NA	CaCO3

Cristal Veech, Analyst

12/27/2013

Date of Report

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

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LABORATORIES
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For Lab Use Only
Lab No. 230322
Accept Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information: Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 SAMPLED BY: Name: <i>Dean Jacobsen</i>		Project Information: Project Name: DNS Project Location: Milwaukee, WI Project ID: 13-2000-399.2655 P.O. Number:	
Phone: (414) 383-4800 Cell Phone: Email: djacobsen@harenda.com Date:	RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 12/26/13 10:00	VIA Email
RECEIVED BY <i>S. Hoffmeyer</i>	DATE & TIME 12/26/13 3:55		

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2655	<input checked="" type="checkbox"/>		Joint Compound		Quantem Sample ID 001
2		<input type="checkbox"/>				Quantem Lab # 229900
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
2038 North 28th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-399.2038
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2038 North 28th Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall, window glazing compound, joint compound patch, ceramic tile, linoleum, ceiling tile, duct paper, paper insulation, 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 December 16, 2013, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2038 North 28th Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I 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 included plaster, drywall, window glazing compound, joint compound patch, ceramic tile, linoleum, ceiling tile, duct paper, paper insulation, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – west bedroom – south wall – plaster skim coat	Negative	N/A	SPI
1b	1 st floor – west bedroom – south wall – plaster base coat	Negative	N/A	SPI
2a	1 st floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
2b	1 st floor – living room – east wall – plaster base coat	Negative	N/A	SPI
3a	1 st floor – front entry – north wall – plaster skim coat	Negative	N/A	SPI
3b	1 st floor – front entry – north wall – plaster base coat	Negative	N/A	SPI
4	1 st floor – dining room – south wall – plaster	Negative	N/A	SPI
5a	2 nd floor – south bedroom – south wall – plaster skim coat	Negative	N/A	SPI
5b	2 nd floor – south bedroom – south wall – plaster base coat	Negative	N/A	SPI
6a	2 nd floor – southwest bedroom – west wall – plaster skim coat	Negative	N/A	SPI
6b	2 nd floor – southwest bedroom – west wall – plaster base coat	Negative	N/A	SPI
7	2 nd floor – hall – south wall – plaster skim coat	Negative	N/A	SPI
8a	2 nd floor – northwest bedroom – south wall – joint compound	Negative	N/A	MDW
8b	2 nd floor – northwest bedroom – south wall – drywall	Negative	N/A	MDW
9	1 st floor – kitchen – east wall – joint compound	Negative	N/A	MDW
10	1 st floor – dining room – east wall – joint compound	Negative	N/A	MDW
11	1 st floor – west bedroom – south window – glazing compound	Trace <1% Chrysotile	N/A	MPG
11	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MPG
12	1 st floor – living room – south window – glazing compound	Negative	N/A	MPG
13	2 nd floor – southeast bedroom – south window – glazing compound	Negative	N/A	MPG

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14	2 nd floor – northwest bedroom – on north wall – joint compound patch	Negative	N/A	MJC
15	2 nd floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
16	1 st floor – front stair – brown and green linoleum	Negative	N/A	MFLng
17	2 nd floor – southeast bedroom – blue linoleum	Negative	N/A	MFLb
18	2 nd floor – south bedroom – brown/tan/red linoleum	Negative	N/A	MFLntr
19	Attic – northeast corner – red/green/white linoleum	Negative	N/A	MFLrgw
20	Attic – southwest corner – brown and blue linoleum	Negative	N/A	MFLnb
21	Attic – northwest corner – brown/red/green linoleum	Negative	N/A	MFLnrg
22	Attic – west – white and blue linoleum	Negative	N/A	MFLwb
23	Attic – northeast – brown and black linoleum	Negative	N/A	MFLnk
24	1 st floor – rear stair landing – gold linoleum	Positive 25% Chrysotile	120 Sq. Ft.	MFLd
25	Basement – on chimney – flue packing	Negative	N/A	TFP
26	Attic – stair – tan linoleum	Negative	N/A	MFLt
27	1 st floor – living room – 2' x 4' ceiling tile	Negative	N/A	MSCT24
28	1 st floor – pantry – brown and black linoleum	Negative	N/A	MFLnk
29	Basement – on boots and returns – duct paper	Positive 60% Chrysotile	6 Sq. Ft.	TDW
30	2 nd floor – southwest bedroom – brown/black/red linoleum	Negative	N/A	MFLnkr
31	Exterior – under wood siding – paper insulation	Negative	N/A	MPI

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.
2 nd	Hall/Stair/Bedrooms/Kitchen	Floor Tile & Mastics	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MDW	Drywall
MPG	Glazing Compound
MTP	Transite
MJC	Joint Compound Patch
MCTM	Ceramic Tile
MFLng	Brown & Green Linoleum
MFLb	Blue Linoleum
MFLntr	Brown/Tan/Red Linoleum
MFLrgw	Red/Green/White Linoleum
MFLnb	Brown & Blue Linoleum
MFLnrg	Brown/Red/Green Linoleum
MFLwb	White & Blue Linoleum
MFLnk	Brown & Black Linoleum
MFLd	Gold Linoleum
MFLt	Tan Linoleum

Homogeneous Material Codes

MFLnk	Brown & Black Linoleum
MFLnkr	Brown/Black/Red Linoleum
MSCT24	2' x 4' Ceiling Tile
MPI	Paper Insulation
TFP	Flue Packing
TDW	Duct Paper

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

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

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

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

Note#5: Estimated cost for friable asbestos removal

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the

Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>3</u>	Refrigerators, Freezers, Chillers – 1 st Floor, Basement
<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>3</u>	Fluorescent Lights – 1 st Floor Dining Room, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace & 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>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>3</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

* 10 Gallons Paint & 1 Gas Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230093
 Account Number: B929

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

Date Received: 12/17/2013
 Received By: Joanna Mueller

Date Analyzed: 12/19/2013
 Analyzed By: Gayle Ooten

Project: DNS

Project Location: Milwaukee, WI

Methodology: EPA/600/R-93/116

Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230093	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/17/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/19/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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

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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 230093	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/17/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/19/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2038

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
010	10	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
011	11	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
012	12	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230093

Account Number: B929

Date Received: 12/17/2013

Received By: Joanna Mueller

Date Analyzed: 12/19/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
017	17	Homogeneous	Blue Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
018	18	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
019	19	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
020	20	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 35	CaCO3 Binder
021	21	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
022	22	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230093

Account Number: B929

Date Received: 12/17/2013

Received By: Joanna Mueller

Date Analyzed: 12/19/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
024	24	Homogeneous	Cream Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
025	25	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3

Gayle Ooten, Analyst

12/19/2013

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

www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only

Lab No. 230093

Accept Reject

Report Results (one box)

QuanTEM Website

Other email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-399.2038	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	12/16/13 1800	Fed Ex	<i>[Signature]</i>	12/17/13 1100

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY
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For Lab Use Only
Lab No. <u>230093</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			
12	12	<input type="checkbox"/>			
13	13	<input type="checkbox"/>			
14	14	<input type="checkbox"/>			
15	15	<input type="checkbox"/>			
16	16	<input type="checkbox"/>			
17	17	<input type="checkbox"/>			Do Not Test / Notice
18	18	<input type="checkbox"/>			
19	19	<input type="checkbox"/>			
20	20	<input type="checkbox"/>			
21	21	<input type="checkbox"/>			
22	22	<input type="checkbox"/>			
23	23	<input type="checkbox"/>			
24	24	<input type="checkbox"/>			
25	25	<input checked="" type="checkbox"/>			
26	26	<input type="checkbox"/>			
27	27	<input type="checkbox"/>			
28	28	<input type="checkbox"/>			
29	29	<input type="checkbox"/>			
30	30	<input type="checkbox"/>			



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230176

Account Number: B929

Date Received: 12/19/2013

Received By: Joanna Mueller

Date Analyzed: 12/19/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	26	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar

Gayle Ooten, Analyst

12/19/2013

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.



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 Lab No. 20176
 Accept Reject
 Report Results (one box)
 QuanTEM Website
 Other_email

Contact Information
 Company: **Harendra Management Group** Phone: **(414) 383-4800**
 Contact: **Dean Jacobsen** Cell Phone:
 Account #: **B929** E-mail: **djacobsen@harendra.com**
 Project Name: **DNS**
 Project Location: **Milwaukee, WI**
 Project ID: **13-2000-399.2038**
 P.O. Number:

RELINQUISHED BY [Signature] **DATE & TIME** 12/17/13 1700 **VIA** FedEx **RECEIVED BY** [Signature] **DATE & TIME** 12/19/13 10:20

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230382

Account Number: B929

Date Received: 12/30/2013

Received By: Alex Raymond

Date Analyzed: 12/30/2013

Analyzed By: Sandy Baker

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

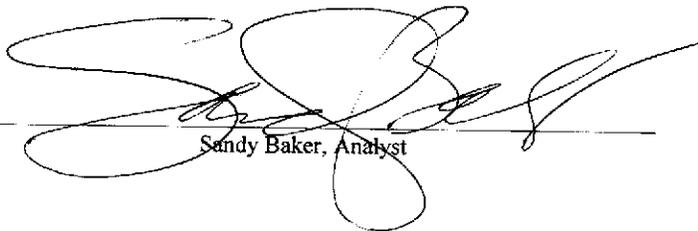
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
002	28	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 60	Cork
003	29	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
004	30	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 60	Tar Cork
005	31	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 90	Foil



Sandy Baker, Analyst

12/30/2013

Date of Report

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

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Lab No. 230382
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Report Results (one box)
 QuanTEM Website
 Other email

Project Information
Project Name: DNS
Project Location: Milwaukee, WI
Project ID: 13-2000-399.2038
PO. Number:

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

RELINQUISHED BY <u>[Signature]</u>	DATE & TIME <u>12/27/13 1:00</u>	VIA <u>FedEx</u>	RECEIVED BY <u>[Signature]</u>	DATE & TIME <u>12/30/13 9:20am</u>
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REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	27	<input checked="" type="checkbox"/>				
2	28	<input type="checkbox"/>				
3	29	<input type="checkbox"/>				
4	30	<input type="checkbox"/>				
5	31	<input checked="" type="checkbox"/>				Do Not Test Asstic
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

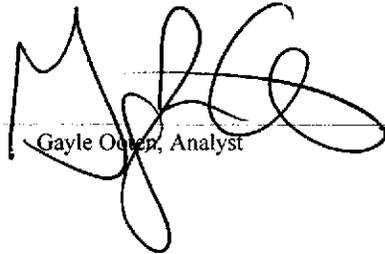


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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230270	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/23/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/24/2013	Project: DNS 400PTCT for #230093
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2038

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	11	Homogeneous	Cream Window Glazing	Asbestos Present Chrysotile 0.25 400 Point Count	NA	



Gayle Ooten, Analyst

12/24/2013
Date of Report

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

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Lab No. 230270

Accept Reject

Report Results (one box)

QuantEM Website

Other_email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone: _____	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-399.2038	
SAMPLED BY: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY: <u>[Signature]</u>	DATE & TIME: <u>12/23/13 1330</u>	VIA: <u>E Mail</u>	RECEIVED BY: <u>[Signature]</u>	DATE & TIME: <u>12/23/13 4:50</u>
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REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	11	<input checked="" type="checkbox"/>				Quantem Lab # 230093
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
2404-04A North 33rd 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.: 13-2000-068.2404
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2404-04A North 33rd Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 14, 2013, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 2404-04A North 33rd 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 nonfriable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2404	Exterior – north wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
2-2404	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
3-2404	Exterior – west wall under vinyl siding – asphalt shingle siding	Negative	N/A	MSS
4-2404	Exterior – west wall asphalt shingle siding – tar paper	Negative	N/A	MPT
5-2404	Exterior – east wall asphalt shingle siding – tar paper	Negative	N/A	MPT
6-2404	Exterior – north wall asphalt shingle siding – tar paper	Negative	N/A	MPT
7-2404	2 nd floor – living room – ceiling – plaster	Negative	N/A	SPI
8-2404	2 nd floor – dining room – west wall – plaster	Negative	N/A	SPI
9-2404	2 nd floor – west bedroom – east wall – plaster	Negative	N/A	SPI
10-2404	2 nd floor – north bedroom – north wall – plaster	Negative	N/A	SPI
11-2404	1 st floor – stair – east wall – plaster	Negative	N/A	SPI
12-2404	1 st floor – bathroom – east wall – plaster	Negative	N/A	SPI
13-2404	1 st floor – kitchen – east wall – plaster	Negative	N/A	SPI
14-2404	1 st floor – west bedroom – north wall – plaster #2	Negative	N/A	SPI2
15-2404	1 st floor – living room – south wall – plaster #2	Negative	N/A	SPI2
16-2404	1 st floor – living room – west wall – plaster #2	Negative	N/A	SPI2
17-2404	1 st floor – dining room – west wall – plaster #2	Negative	N/A	SPI2
18-2404	1 st floor – dining room – east wall – plaster #2	Negative	N/A	SPI2
19-2404	1 st floor – kitchen – west wall – fiberboard	Negative	N/A	MFB
20-2404	1 st floor – kitchen – east wall – fiberboard	Negative	N/A	MFB
21-2404	1 st floor – kitchen – north wall – fiberboard	Negative	N/A	MFB
22-2404	2 nd floor – kitchen – north wall – fiberboard #2	Negative	N/A	MFB2
23-2404	2 nd floor – kitchen – west wall – fiberboard #2	Negative	N/A	MFB2
24-2404	2 nd floor – kitchen – west wall – fiberboard #2	Negative	N/A	MFB2
25-2404	2 nd floor – east bedroom – east window – glazing compound	Negative	N/A	MPG
26-2404	1 st floor – living room – west window – glazing compound	Negative	N/A	MPG
27-2404	1 st floor – stair – south window – glazing compound	Negative	N/A	MPG
28-1514	Basement – on chimney – flue packing	Positive 10% Chrysotile	2 Sq. Ft.	TFP

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
29-2404	Attic – stair – under floor – blown in insulation	Negative	N/A	MBI
30-2404	2 nd floor – north bedroom – on floor – blown in insulation	Negative	N/A	MBI
31-2404	2 nd floor – living room – on floor – blown in insulation	Negative	N/A	MBI
32-2404a	1 st floor – east bedroom – north wall – joint compound	Negative	N/A	MDW
32-2404b	1 st floor – east bedroom – north wall – drywall	Negative	N/A	MDW
33-2404a	1 st floor – hall – south wall – joint compound	Negative	N/A	MDW
33-2404b	1 st floor – hall – south wall – drywall	Negative	N/A	MDW
34-2404a	1 st floor – bathroom – ceiling – joint compound	Negative	N/A	MDW
34-2404b	1 st floor – bathroom – ceiling – drywall	Negative	N/A	MDW

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	Kitchen/Bathroom	Floor Tile & Mastic	240 Sq. Ft.
2 nd	Kitchen/Bathroom	Floor Tile & Mastic	700 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SPI2	Plaster #2
MSS	Asphalt Shingle Siding
MPT	Tar Paper
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MFB	Fiberboard
MFB2	Fiberboard #2
MBI	Blown in Insulation
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: Estimated cost for friable asbestos

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>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>2</u>	Old Thermostats – 1 st Floor Living Room, 2 nd Floor Kitchen
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

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

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement

<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

* 2 Gas Meters & 90 Gallons Paint in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 225601	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/16/2013	P.O. Box 511305
Received By: Leigh Armstrong	New Berlin, WI 53151-2105
Date Analyzed: 08/21/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2404

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2404	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
002	2-2404	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
003	3-2404	Homogeneous	Brown Shingle	Asbestos Not Present	Cellulose 20	Quartz Tar
004	4-2404	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
005	5-2404	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
006	6-2404	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
007	7-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 225601

Account Number: B929

Date Received: 08/16/2013

Received By: Leigh Armstrong

Date Analyzed: 08/21/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

P.O. Box 511305

New Berlin, WI 53151-2105

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.2404

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
010	10-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	12-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	13-2404	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14-2404	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 225601	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/16/2013	P.O. Box 511305
Received By: Leigh Armstrong	New Berlin, WI 53151-2105
Date Analyzed: 08/21/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2404

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15-2404	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16-2404	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17-2404	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18-2404	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
020	20-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
021	21-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 225601	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/16/2013	P.O. Box 511305
Received By: Leigh Armstrong	New Berlin, WI 53151-2105
Date Analyzed: 08/21/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.2404

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
023	23-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
024	24-2404	Homogeneous	White Fiberboard	Asbestos Not Present	Cellulose 80	Paint
025	25-2404	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
026	26-2404	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
027	27-2404	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
028	28-2404	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 10	Glass Fiber 20	CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 225601

Account Number: B929

Date Received: 08/16/2013

Received By: Leigh Armstrong

Date Analyzed: 08/21/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harena Management Group

Jolene Harena

P.O. Box 511305

New Berlin, WI 53151-2105

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-068.2404

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29-2404	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
030	30-2404	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
031	31-2404	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
032	32-2404	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Paint
033	33-2404	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
034	34-2404	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Paint

Gayle Ooten, Analyst

8/21/2013

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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LABORATORIES
 www.QuanTEM.com

For Lab Use Only
 Lab No. 225601
 Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 13-2000-068.2404
 P.O. Number:

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

RELINQUISHED BY: [Signature] DATE & TIME: 8/15/13 1800 VIA: Fax RECEIVED BY: [Signature] DATE & TIME: 8/16/13 9:40

REQUESTED SERVICES (Please the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2404	<input checked="" type="checkbox"/>			
2	2-2404	<input type="checkbox"/>			
3	3-2404	<input type="checkbox"/>			
4	4-2404	<input type="checkbox"/>			
5	5-2404	<input type="checkbox"/>			
6	6-2404	<input type="checkbox"/>			
7	7-2404	<input type="checkbox"/>			
8	8-2404	<input type="checkbox"/>			
9	9-2404	<input type="checkbox"/>			
10	10-2404	<input checked="" type="checkbox"/>			



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 225601	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
Company: Harenda Management Group						
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2404	<input checked="" type="checkbox"/>				
12	12-2404	<input type="checkbox"/>				
13	13-2404	<input type="checkbox"/>				
14	14-2404	<input type="checkbox"/>				
15	15-2404	<input type="checkbox"/>				
16	16-2404	<input type="checkbox"/>				
17	17-2404	<input type="checkbox"/>				
18	18-2404	<input type="checkbox"/>				
19	19-2404	<input type="checkbox"/>				
20	20-2404	<input type="checkbox"/>				
21	21-2404	<input type="checkbox"/>				
22	22-2404	<input type="checkbox"/>				
23	23-2404	<input type="checkbox"/>				
24	24-2404	<input type="checkbox"/>				
25	25-2404	<input type="checkbox"/>				
26	26-2404	<input type="checkbox"/>				
27	27-2404	<input type="checkbox"/>				
28	28-2404	<input type="checkbox"/>				
29	29-2404	<input type="checkbox"/>				
30	30-2404	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. <u>225601</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2404	<input checked="" type="checkbox"/>				
32	32-2404	<input type="checkbox"/>				
33	33-2404	<input type="checkbox"/>				
34	34-2404	<input checked="" type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**Two Family Dwelling
2122 North 34th 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.: 13-2000-399.2122
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2122 North 34th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, drywall, ceramic tile, window glazing compound, linoleum, leveling compound, insulation pad, ceiling tile, fiberboard, insulation board, duct paper, and flue pack 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 December 11, 2013, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2122 North 34th 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 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 included plaster, texture, drywall, ceramic tile, window glazing compound, linoleum, leveling compound, insulation pad, ceiling tile, fiberboard, insulation board, duct paper, and flue pack. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
1b	1 st floor – living room – south wall – plaster base coat	Negative	N/A	SPI
2a	1 st floor – north bedroom – north wall – plaster skim coat	Negative	N/A	SPI
2b	1 st floor – north bedroom – north wall – plaster base coat	Negative	N/A	SPI
3a	1 st floor – middle bedroom – south wall – plaster skim coat	Negative	N/A	SPI
3b	1 st floor – middle bedroom – south wall – plaster base coat	Negative	N/A	SPI
4a	2 nd floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
4b	2 nd floor – living room – east wall – plaster base coat	Negative	N/A	SPI
5a	2 nd floor – kitchen – north wall – plaster skim coat	Negative	N/A	SPI
5b	2 nd floor – kitchen – north wall – plaster base coat	Negative	N/A	SPI
6	1 st floor – northeast room – north wall – drywall	Negative	N/A	MDW
7	1 st floor – kitchen – south wall – drywall	Negative	N/A	MDW
8	2 nd floor – bathroom – north wall – drywall	Negative	N/A	MDW
9a	1 st floor – kitchen – on south wall – brown ceramic tile	Negative	N/A	MCTMn
9b	1 st floor – kitchen – on south wall – grout	Negative	N/A	MCTMn
10	2 nd floor – kitchen – south window – glazing compound	Negative	N/A	MPG
11	2 nd floor – living room – west window – glazing compound	Negative	N/A	MPG
12	1 st floor – northeast bedroom – north window – glazing compound	Negative	N/A	MPG
13a	2 nd floor – kitchen – tan linoleum	Negative	N/A	MFLt
13b	2 nd floor – kitchen – under tan linoleum – cream linoleum	Negative	N/A	MFLc
14	1 st floor – northeast room – north wall – fiberboard	Negative	N/A	MFB
15	Basement – on ceiling near center – insulation pad 30 sq. ft. of floor contaminated	Positive 65% Chrysotile	5 Sq. Ft.	TIP
16	1 st floor – northeast room – ceiling tile	Negative	N/A	MSCT

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17	Basement – on chimney – flue packing	Negative	N/A	TFP
18a	1 st floor – bathroom floor – gray and pink ceramic tile	Negative	N/A	MCTMyp
18b	1 st floor – bathroom floor – grout	Negative	N/A	MCTMyp
19	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM
20	1 st floor – northeast shower room floor – top layer – gray ceramic tile	Negative	N/A	MCTMy
21a	1 st floor – northeast shower room floor – 2 nd layer – beige linoleum	Negative	N/A	MFLe
21b	1 st floor – northeast shower room floor – 3 rd layer – leveling compound	Negative	N/A	MFLe
22	1 st floor – northeast shower room floor – 4 th layer – insulation board	Negative	N/A	MIB
23a	2 nd floor – bathroom floor – under floor tile – fiberboard #2	Negative	N/A	MFB2
23b	2 nd floor – bathroom floor – under floor tile – fiberboard #2 layer 2	Negative	N/A	MFB2
24	Attic – on west side walls – fiberboard #3	Negative	N/A	MFB3
25	Attic – on chimney – plaster patch	Negative	N/A	SPIP
26	Attic – on east wall under electrical switch – insulation pad #2	Positive 85% Chrysotile	1 Sq. Ft.	TIP2
27	1 st floor – front entry – south wall – texture	Negative	N/A	STX
28	1 st floor – living room – ceiling – texture	Negative	N/A	STX
29	1 st floor – kitchen – ceiling – texture	Negative	N/A	STX
30	1 st floor – living room – on north wall duct – duct paper <i>Quantity includes bedroom duct</i>	Positive 90% Chrysotile	4 Sq. Ft.	TDW

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	2,800 Sq. Ft.
1 st	Front Entry/Kitchen/Bathroom	Floor Tile & Mastics	100 Sq. Ft.
2 nd	Kitchen/Hall/Bathroom	Floor Tile & Mastic	150 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPIP	Plaster Patch
STX	Texture
MDW	Drywall
MCTMn	Brown Ceramic Tile
MCTMyp	Gray & Pink Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMM	Mortar
MPG	Glazing Compound
MFLt	Tan Linoleum
MFLc	Cream Linoleum
MFLe	Beige Linoleum
MFB	Fiberboard

Homogeneous Material Codes

MFB2	Fiberboard #2
MFB3	Fiberboard #3
MIB	Insulation Board
MSCT	Ceiling Tile
MLC	Leveling Compound
TFP	Flue Packing
TIP	Insulation Pad
TIP2	Insulation Pad #2
TDW	Duct Paper

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

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

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

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

Note#5: Estimated cost for friable asbestos removal

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the

Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<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 – 2 nd Floor Hall
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

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

ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Water Meter in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229947	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

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

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229947	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
007	7	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
008	8	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
009	9	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay

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

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229947	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
011	11	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
012	12	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
013	13	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
013a		Layered	Beige Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
014	14	Homogeneous	Tan/Gray Fiberboard	Asbestos Not Present	Cellulose 80	Paint

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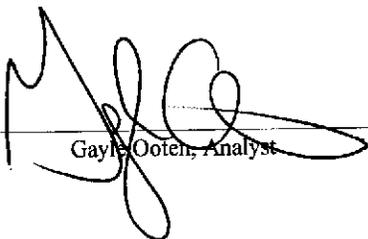


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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229947	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/13/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 30	Binder
016	16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Paint Perlite
017	17	Homogeneous	Gray Mortar	Asbestos Not Present	NA	Quartz CaCO3



Gayle Ooten, Analyst

12/13/2013
Date of Report

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

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For Lab Use Only
 Lab No. 229940
 Accept Reject

Report Results one box
 QuanTEM Website
 Other_email

Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 13-2000-399.2122
 P.O. Number:

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

RELINQUISHED BY [Signature] **DATE & TIME** 12/11/2018 **VIA** FedEx **RECEIVED BY** [Signature] **DATE & TIME** 12/12/13 10:40

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

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



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Page 2 of 2
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 Lab No. 228547
 Accept Reject

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230380	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/30/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/30/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
001a		Layered	White Grout	Asbestos Not Present	NA	Quartz Sand
002	19	Homogeneous	Light Gray Grout	Asbestos Not Present	NA	Quartz Sand
003	20	Homogeneous	Gray Ceramic Tile	Asbestos Not Present	NA	Clay
004	21	Layered	Beige Sheet Vinyl	Asbestos Not Present	Glass Fiber	25 Vinyl Foam
004a		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
005	22	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	15 Gypsum

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 230380	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/30/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/30/2013	Project: DNS
Analyzed By: Sandy Baker	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2122

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006	23	Layered	Black Insulation	Asbestos Not Present	Cellulose 60	Tar
006a		Layered	Light Gray Insulation	Asbestos Not Present	Cellulose 80	CaCO3
007	24	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 98	
008	25	Homogeneous	Light Gray Plaster	Asbestos Not Present	NA	Quartz Sand
009	26	Homogeneous	Light Gray Insulation	Asbestos Present Chrysotile 85	NA	Binder
010	27	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3
011	28	Homogeneous	White Plaster	Asbestos Not Present	NA	Quartz Sand

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

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 230380
Account Number: B929
Date Received: 12/30/2013
Received By: Alex Raymond
Date Analyzed: 12/30/2013
Analyzed By: Sandy Baker
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 13-2000-399.2122

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	29	Homogeneous	White Ceiling Texture	Asbestos Not Present	NA	CaCO3
013	30	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 90	NA	Binder

Sandy Baker, Analyst

12/30/2013

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.



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For Lab Use Only	
Lab No. <u>230380</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

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

Contact Information		Project Information	
Company: Harendra Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harendra.com	Project ID: 13-2000-399.2122	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	12/27/13 17:00	FedEx	<i>[Signature]</i>	12/30/13 9:50

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		TEM		TEM		TURNAROUND TIME
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	18	<input checked="" type="checkbox"/>				Do Not Test Mastic
2	19	<input type="checkbox"/>				
3	20	<input type="checkbox"/>				
4	21	<input type="checkbox"/>				
5	22	<input type="checkbox"/>				
6	23	<input type="checkbox"/>				
7	24	<input type="checkbox"/>				
8	25	<input type="checkbox"/>				
9	26	<input type="checkbox"/>				
10	27	<input checked="" type="checkbox"/>				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 230380	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

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

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**Two Family Dwelling
2420-22 North 34th 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.: 13-2000-399.2420
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2420-22 North 34th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, tar paper, linoleum, drywall/joint compound, ceramic tile, fiberboard, 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 December 11, 2013, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2420-22 North 34th 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 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 included plaster, transite siding, tar paper, linoleum, drywall/joint compound, ceramic tile, fiberboard, 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
1-2420	Exterior – west wall – transite siding	Positive 20% Chrysotile	3,000 Sq. Ft.	MTP
2-2420	Exterior – south wall – transite siding	Positive 20% Chrysotile	Reference 1-2420	MTP
3-2420	Exterior – north wall – transite siding	Positive 20% Chrysotile	Reference 1-2420	MTP
4-2420	Exterior – west wall – under transite – tar paper	Negative	N/A	MPT
5-2420	Exterior – south wall – under transite – tar paper	Negative	N/A	MPT
6-2420	Exterior – north wall – under transite – tar paper	Negative	N/A	MPT
7-2420	2 nd floor – kitchen – under linoleum – tar paper #2	Negative	N/A	MPT2
8-2420	2 nd floor – pantry – under floor tile – tar paper #2	Negative	N/A	MPT2
9-2420	2 nd floor – bathroom – under floor tile – tar paper #2	Negative	N/A	MPT2
10-2420	2 nd floor – bathroom – west wall – plaster	Negative	N/A	SPI
11-2420a	2 nd floor – front entry – south wall – patch layer	Negative	N/A	SPI
11-2420b	2 nd floor – front entry – south wall – plaster skim coat	Negative	N/A	SPI
11-2420c	2 nd floor – front entry – south wall – plaster base coat	Negative	N/A	SPI
11-2420d	2 nd floor – front entry – south wall – plaster base coat #2	Negative	N/A	SPI
12-2420	2 nd floor – northwest bedroom – north wall – plaster	Negative	N/A	SPI
13-2420	1 st floor – front entry – north wall – plaster	Negative	N/A	SPI
14-2420	Attic – stair – west wall – plaster	Negative	N/A	SPI
15-2420	2 nd floor – kitchen – near door – cream linoleum	Negative	N/A	MFLc
16-2420	2 nd floor – kitchen – near back door – cream linoleum	Negative	N/A	MFLc
17-2420	2 nd floor – hall – cream linoleum	Negative	N/A	MFLc
18-2420a	2 nd floor – rear hall – north wall – joint compound	Positive 2% Chrysotile	N/A	MDW
18-2420b	2 nd floor – rear hall – north wall – joint compound 2 nd layer	Positive 2% Chrysotile	N/A	MDW
18-2420c	2 nd floor – rear hall – north wall – drywall	Negative	N/A	MDW
18-2420	COMPOSITE POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19-2420a	1 st floor – bathroom – ceiling – joint compound	Positive 2% Chrysotile	N/A	MDW
19-2420b	1 st floor – bathroom – ceiling – joint compound 2 nd layer	Positive 2% Chrysotile	N/A	MDW
19-2420c	1 st floor – bathroom – ceiling – drywall	Negative	N/A	MDW
19-2420	COMPOSITE POINT COUNT RESULT	Positive 1.25% Chrysotile	See Note #4	MDW
20-2420a	2 nd floor – pantry – east wall – joint compound	Positive 2% Chrysotile	N/A	MDW
20-2420b	2 nd floor – pantry – east wall – joint compound 2 nd layer	Positive 2% Chrysotile	N/A	MDW
20-2420c	2 nd floor – pantry – east wall – drywall	Negative	N/A	MDW
20-2420	COMPOSITE POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MDW
21-2420	2 nd floor – bathroom – on wall – white ceramic tile	Negative	N/A	MCTMw
22-2420	2 nd floor – rear hall – cream and maroon linoleum	Negative	N/A	MFLcm
23-2420	1 st floor – kitchen – on wall – pink ceramic tile	Negative	N/A	MCTMp
24-2420	1 st floor – kitchen – west wall – fiber board #2	Negative	N/A	MFB2
25-2420	1 st floor – kitchen – west wall – fiber board #2	Negative	N/A	MFB2
26-2420	1 st floor – kitchen – north wall – fiber board #2	Negative	N/A	MFB2
27-2420	1 st floor – kitchen – on floor – blown in insulation	Negative	N/A	MBI
28-2420	Attic – on floor – blown in insulation	Negative	N/A	MBI
29-2420	Attic stair – on floor – blown in insulation	Negative	N/A	MBI
30-2420	1 st floor – bathroom floor – cream ceramic tile	Negative	N/A	MCTMc
31-2420	1 st floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM
32-2420	Attic – center – tan linoleum	Negative	N/A	MFLt
33-2420	Attic – west side – green and brown linoleum	Negative	N/A	MFLgn
34-2420	Attic – east side – black and white linoleum	Negative	N/A	MFLkw
35-2420	Attic – south wall – fiberboard	Negative	N/A	MFB
36-2420	Attic – west wall – fiberboard	Negative	N/A	MFB
37-2420	Attic – north wall – fiberboard	Negative	N/A	MFB
38-2420	Basement – on 3 boots – duct paper	Positive 50% Chrysotile	6 Sq. Ft.	TDW
39-2420	Basement – on chimney – flue packing	Negative	N/A	TFP
40-2420	1 st floor – bathroom floor – grout	Negative	N/A	MCTMG

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	Kitchen/Hall	Floor Tile & Mastics	500 Sq. Ft.
1 st	Bathroom	Wall Mastic	100 Sq. Ft.
2 nd	Bathroom/Pantry	Floor Tile & Mastics	40 Sq. Ft.

Homogeneous Material Codes

SPI Plaster
MTP Transite

MPT	Tar Paper
MPT2	Tar Paper #2
MFLc	Cream Linoleum
MFLcm	Cream & Maroon Linoleum
MFLt	Tan Linoleum
MFLgn	Green & Brown Linoleum
MFLkw	Black & White Linoleum
MDW	Drywall/Joint Compound
MCTMc	Cream Ceramic Tile
MCTMw	White Ceramic Tile
MCTMp	Pink Ceramic Tile
MCTMG	Grout
MCTMM	Mortar
MFB	Fiberboard
MFB2	Fiberboard #2
MBI	Blown in Insulation
TDW	Duct Paper
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: Drywall/joint compound (MDW) identified in 2nd floor pantry east wall & rear hall north wall; 1st floor kitchen north & west walls, hall walls and ceiling, and bathroom ceiling and walls. Approximate quantity 700 square feet.

Note#5: Additional duct paper may be within walls and ceilings.

Note#5: Estimated cost for friable asbestos removal

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<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 on Exterior. 2 Breaker Boxes & 1 Electric Meter 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
- N/A Oil Tanks
- N/A Well Abandonment
- N/A Junk Auto Tires
- N/A Junk Vehicles

* 2 Gas Meters in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 230009	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/16/2013	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 12/18/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2420

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2420	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2-2420	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3-2420	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

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

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Received By: Alex Raymond

Date Analyzed: 12/18/2013

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 13-2000-399.2420

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
009	9-2420	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
010	10-2420	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber Hair 2 <1	Sand CaCO3
011	11-2420	Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite CaCO3
011a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
011b		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum
011c		Layered	Gray Plaster	Asbestos Not Present	Hair <1	Sand CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2420

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-2420	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 <1 Sand CaCO3 Paint
013	13-2420	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 <1 Sand CaCO3 Paint
014	14-2420	Homogeneous	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 2 Sand CaCO3
015	15-2420	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Synthetic	15 10 Vinyl
015a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Tar Glue
016	16-2420	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose Synthetic	15 10 Vinyl
016a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Tar Glue

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2420

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17-2420	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 10	Vinyl
017a		Layered	Black/Yellow Mastic	Asbestos Not Present	NA	Tar Glue
018	18-2420	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018a		Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3
018b		Layered	Tan Joint Compound	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3
018c		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
019	19-2420	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3
019b		Layered	Tan Joint Compound	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3
019c		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
020	20-2420	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3 Paint
020a		Layered	Tan Joint Compound	Asbestos Present Chrysotile 2	NA	Gypsum CaCO3
020b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 3	Gypsum
021	21-2420	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2420

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22-2420	Homogeneous	Pink Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
023	23-2420	Homogeneous	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
024	24-2420	Homogeneous	White Formica	Asbestos Not Present	Cellulose 80	Resin
025	25-2420	Homogeneous	White Formica	Asbestos Not Present	Cellulose 80	Resin
026	26-2420	Homogeneous	White Formica	Asbestos Not Present	Cellulose 80	Resin
027	27-2420	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
028	28-2420	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29-2420	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
030	30-2420	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
031	31-2420	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue Binder
032	32-2420	Homogeneous	Red Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
033	33-2420	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
034	34-2420	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 20	Tar Binder
035	35-2420	Homogeneous	Tan Fiberboard	Asbestos Not Present	Cellulose 90	Paint

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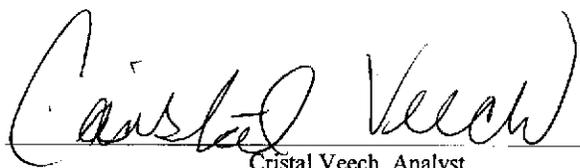


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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36-2420	Homogeneous	Blue Fiberboard	Asbestos Not Present	Cellulose 90	Paint
037	37-2420	Homogeneous	Tan Fiberboard	Asbestos Not Present	Cellulose 90	Paint
038	38-2420	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 50	Cellulose 20	Binder
039	39-2420	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
040	40-2420	Homogeneous	Gray Plaster	Asbestos Not Present	Cellulose <1 Glass Fiber 5	Sand CaCO3


 Cristal Veech, Analyst

12/18/2013
 Date of Report

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LABORATORIES
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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 Phone: (414) 383-4800 Cell Phone: E-mail: djacobsen@harenda.com Date:		Project Information Project Name: DNS Project Location: Milwaukee, WI Project ID: 13-2000-399.2420 P.O. Number:	
For Lab Use Only Lab No. 230009 <input checked="" type="radio"/> Accept <input type="radio"/> Reject		Report Results (☑ one box) <input type="checkbox"/> QuanTEM Website <input checked="" type="checkbox"/> Other email	

SAMPLED BY: Name: <i>Dean Jacobsen</i>	RELINQUISHED BY: <i>Dean Jacobsen</i>	DATE & TIME: 12/12/13 1800	VIA: FedEx	RECEIVED BY: <i>Abrygen</i>	DATE & TIME: 12/16/13 10am
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REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	PLM		TEM		TURNAROUND TIME	
							PLM	PCM	PLM	TEM	Rush	Same Day
1	1-2420	<input checked="" type="checkbox"/>		Air- AHERA	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	Rush
2	2-2420	<input type="checkbox"/>		Air- NIOSH 7402	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
3	3-2420	<input type="checkbox"/>		Air- ISO 10312	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	Dust- Presence / Absence	<input type="checkbox"/>	<input type="checkbox"/>	24 - Hour
4	4-2420	<input type="checkbox"/>		Drinking Water- EPA 100.2	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 - Day
5	5-2420	<input type="checkbox"/>		Waste Water- EPA 600/4-83-043	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	5 - Day
6	6-2420	<input type="checkbox"/>										
7	7-2420	<input type="checkbox"/>										
8	8-2420	<input type="checkbox"/>										
9	9-2420	<input type="checkbox"/>										
10	10-2420	<input checked="" type="checkbox"/>										

Do Next Test Plastic						
-----------------------------	--	--	--	--	--	--



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>230609</u>	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2420				
12	12-2420				
13	13-2420				
14	14-2420				
15	15-2420				
16	16-2420				
17	17-2420				
18	18-2420				
19	19-2420				
20	20-2420				
21	21-2420				Do Not Test Mastic
22	22-2420				
23	23-2420				
24	24-2420				
25	25-2420				
26	26-2420				
27	27-2420				
28	28-2420				
29	29-2420				
30	30-2420				



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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page 3 of 3
 For Lab Use Only
 Lab No. 23005
 Accept Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2420				Do NOT Test / Note c
32	32-2420				
33	33-2420				
34	34-2420				
35	35-2420				
36	36-2420				
37	37-2420				
38	38-2420				
39	39-2420				
40	40-2420				
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

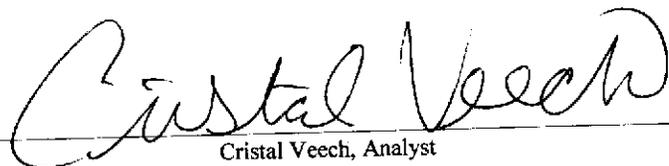


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 230193	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/19/2013	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 12/20/2013	Project: PT CT for 230009, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2420

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	18-2420	Composite	White Joint Compound / Sheetrock	Asbestos Present Chrysotile 1.00 400 Point Count	NA	
002	19-2420	Composite	White Joint Compound / Sheetrock	Asbestos Present Chrysotile 1.25 400 Point Count	NA	
003	20-2420	Composite	White Joint Compound / Sheetrock	Asbestos Present Chrysotile 0.50 400 Point Count	NA	


Cristal Veech, Analyst

12/20/2013
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.

IX. HMG CERTIFICATION



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen
W1316781 Kipling Dr
Monkego WI 53150-3401

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

Training due by: 12/01/2014



ASBESTOS SNIP INSPECTION REPORT

Job Site:

**One Family Dwelling
2511 North 37th Street
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-399.2511
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

December 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 2511 North 37th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, vermiculite insulation, window glazing compound, drywall/joint compound, flue packing, duct paper, blown in insulation, 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 December 11, 2013, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2511 North 37th 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 included plaster, tar paper, vermiculite insulation, window glazing compound, drywall/joint compound, flue packing, duct paper, blown in insulation, and linoleum. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2511a	Exterior – in south wall – tar paper gold layer	Negative	N/A	MPT
1-2511b	Exterior – in south wall – tar paper black layer	Negative	N/A	MPT
2-2511a	Exterior – in east wall – tar paper gold layer	Negative	N/A	MPT
2-2511b	Exterior – in east wall – tar paper black layer	Negative	N/A	MPT
3-2511	Exterior – in west wall – tar paper	Negative	N/A	MPT
4-2511a	1 st floor – northeast area – ceiling – plaster skim coat	Negative	N/A	SPI
4-2511b	1 st floor – northeast area – ceiling – plaster base coat	Negative	N/A	SPI
5-2511	1 st floor – southwest area – near floor – plaster	Negative	N/A	SPI
6-2511	1 st floor – southwest area – ceiling – plaster	Negative	N/A	SPI
7-2511a	1 st floor – southeast area – near floor – plaster skim coat	Negative	N/A	SPI
7-2511b	1 st floor – southeast area – near floor – plaster base coat	Negative	N/A	SPI
8-2511	1 st floor – southeast area – ceiling – plaster	Negative	N/A	SPI
9-2511	1st floor – between studs in exterior walls – vermiculite insulation	Positive 3% Chrysotile	See Note #4	MVI
12-2511	Attic – stair – west window – glazing compound	Negative	N/A	MPG
13-2511	1 st floor – south window – glazing compound	Negative	N/A	MPG
14-2511	Basement – north window – glazing compound	Positive 2% Chrysotile	23 Windows	MPG
15-2511a	1 st floor – northwest area – north wall – joint compound	Negative	N/A	MDW
15-2511b	1 st floor – northwest area – north wall – joint compound	Negative	N/A	MDW
16-2511a	1 st floor – northwest area – north wall – joint compound	Negative	N/A	MDW
16-2511b	1 st floor – northwest area – north wall – joint compound	Negative	N/A	MDW
17-2511a	1 st floor – center – west wall – joint compound	Negative	N/A	MDW
17-2511b	1 st floor – center – west wall – joint compound	Negative	N/A	MDW
18-2511	Basement – on east side of chimney near middle – flue pack #1	Negative	N/A	TFP1
19-2511	Basement – on east side of chimney near top – flue pack #2	Negative	N/A	TFP2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
20-2511	Basement – on north side of chimney top layer – flue pack #3	Negative	N/A	TFP3
21-2511	Basement – on north side of chimney bottom layer – flue pack #4	Negative	N/A	TFP4
22-2511	Basement – stair – under floor tile – tar paper #2	Negative	N/A	MPT2
23-2511	Basement – on beam above furnace – duct paper	Positive 75% Chrysotile	5 Sq. Ft.	TDW
24-2511	Basement – on stair – blown in insulation	Negative	N/A	MBI
25-2511	1 st floor – on floor near door – blown in insulation	Negative	N/A	MBI
26-2511	Attic – on floor – blown in insulation	Negative	N/A	MBI
27-2511	Attic – west side under floor tile – yellow linoleum	Negative	N/A	MFL1
28-2511	Attic – east side under floor tile – yellow linoleum	Negative	N/A	MFL1
29-2511	Attic – south side under floor tile – yellow linoleum	Negative	N/A	MFL1
30-2511	1 st floor – northwest area – near tub – brown linoleum	Negative	N/A	MFLn
31-2511	Basement – west wall – plaster #2	Negative	N/A	SPI
32-2511	Basement – north wall – plaster #2	Negative	N/A	SPI
33-2511	Basement – south wall – plaster #2	Negative	N/A	SPI

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	850 Sq. Ft.
1 st	Northwest	Floor Mastic	70 Sq. Ft.
2 nd	All	Floor Tile & Mastic	650 Sq. Ft.
Basement	Stair	Floor Tile & Mastic	30 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MPT	Tar Paper
MPT2	Tar Paper #2
MVI	Vermiculite Insulation
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MBI	Blown In Insulation
MFL1	Yellow Linoleum
MFLn	Brown Linoleum
TFP1	Flue Packing #1
TFP2	Flue Packing #2
TFP3	Flue Packing #3
TFP4	Flue Packing #4
TDW	Duct Paper

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

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

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

Note#4: First floor gutted. Scattered vermiculite debris (approximate quantity) observed on:

- 1st floor 2 feet from exterior walls and between exterior wall studs – 270 sq. ft.,
- Stuck to exterior walls – 1,500 sq. ft.,
- On basement stair and floor – 800 sq. ft.

Note#5: Estimated cost for friable asbestos removal/cleanup..

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 – 1 Furnace & 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 – 1 Breaker Box in Basement. 1 Electric Meter on Exterior.

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter & 1 One Pint Brake Fluid in Basement

VIII. LABORATORY RESULTS



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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 229946	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/12/2013	Project: DNS -REVISED
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2511	Layered	Gold Paint	Asbestos Not Present	NA	Paint
001a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-2511	Layered	Gold Paint	Asbestos Not Present	NA	Paint
002a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-2511	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004	4-2511	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

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

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



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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 229946	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/12/2013	Project: DNS -REVISED
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
006	6-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7-2511	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9-2511	Homogeneous	Gold Insulation	Asbestos Present Actinolite/Tremolite 3	NA	Vermiculite
010	12-2511	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 229946	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/12/2013	Project: DNS -REVISED
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	13-2511	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
012	14-2511	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	Not Analyzed	CaCO3
013	15-2511	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
014	16-2511	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
015	17-2511	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
016	18-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	19-2511	Homogeneous	Gray Plaster	Asbestos Not Present	Wollastonite 30	CaCO3
018	20-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
019	21-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
020	22-2511	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
021	23-2511	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder

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

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Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	24-2511	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
023	25-2511	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
024	26-2511	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
025	27-2511	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
026	28-2511	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
027	29-2511	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
028	30-2511	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Synthetic 20	Vinyl

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

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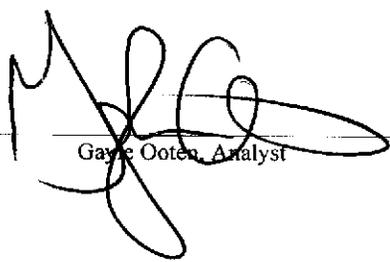


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 229946	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 12/12/2013	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 12/12/2013	Project: DNS -REVISED
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-399.2511

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	31-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
030	32-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
031	33-2511	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3



Gayle Ooten, Analyst

12/13/2013

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 229946
 Accept Reject

Report Results one box
 QuanTEM Website
 Other email _____

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 13-2000-399.2511	
SAMPLED BY: _____	Date: _____	P.O. Number: _____	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	12/11/13 1800	FedEx	<i>[Signature]</i>	12/12/13 10:40

REQUESTED SERVICES (Please check the Appropriate Boxes)

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

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1-25(1)	<input checked="" type="checkbox"/>				
2	2-25(1)	<input type="checkbox"/>				
3	3-25(1)	<input type="checkbox"/>				
4	4-25(1)	<input type="checkbox"/>				
5	5-25(1)	<input type="checkbox"/>				
6	6-25(1)	<input type="checkbox"/>				
7	7-25(1)	<input type="checkbox"/>				
8	8-25(1)	<input type="checkbox"/>				
9	9-25(1)	<input type="checkbox"/>				
10	12-25(1)	<input checked="" type="checkbox"/>				



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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 229946	Accept
	Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	13-2511				
12	14-2511				
13	15-2511				
14	16-2511				
15	17-2511				
16	18-2511				
17	19-2511				
18	20-2511				
19	21-2511				
20	22-2511				Do Not Analyze / Mastic
21	23-2511				
22	24-2511				
23	25-2511				
24	26-2511				
25	27-2511				Do Not Analyze / Mastic
26	28-2511				
27	29-2511				
28	30-2511				
29	31-2511				
30	32-2511				



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. 729946	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	BB-2511	<input checked="" type="checkbox"/>				
32		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

IX. HMG CERTIFICATION

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services



Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

		150 lbs	5' 01"
AII-156385	Exp: 09/26/2014	09/08/1971	Female

Training due by: 09/26/2014



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
1426 West Groeling Avenue
Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 13-2000-068.1426
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1426 West Groeling Avenue, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On August 20, 2013, HMG conducted an asbestos inspection of a 1 family dwelling scheduled for mechanical demolition, located at 1426 West Groeling Avenue, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1426	1 st floor – front porch – under carpet – red linoleum	Negative	N/A	MFLr
2-1426	1 st floor – front porch – under red linoleum – green and tan linoleum	Negative	N/A	MFLgt
3-1426	1 st floor – front porch – west window – glazing compound	Negative	N/A	MPG
4-1426	2 nd floor – south bedroom – south window – glazing compound	Negative	N/A	MPG
5-1426	Basement – east window – glazing compound	Negative	N/A	MPG
6-1426	2 nd floor – south bedroom – south wall – drywall	Negative	N/A	MDW
7-1426	2 nd floor – south bedroom – north wall – drywall	Negative	N/A	MDW
8-1426a	2 nd floor – south bedroom – west wall – joint compound	Negative	N/A	MDW
8-1426b	2 nd floor – south bedroom – west wall – drywall	Negative	N/A	MDW
9-1426a	2 nd floor – north bedroom – west wall – plaster skim coat	Negative	N/A	SPI
9-1426b	2 nd floor – north bedroom – west wall – plaster base coat	Negative	N/A	SPI
10-1426a	1 st floor – stair – south wall – plaster skim coat	Negative	N/A	SPI
10-1426b	1 st floor – stair – south wall – plaster base coat	Negative	N/A	SPI
11-1426a	Basement – north room – ceiling – plaster skim coat	Negative	N/A	SPI
11-1426b	Basement – north room – ceiling – plaster base coat	Negative	N/A	SPI
12-1426a	1 st floor – kitchen – ceiling – plaster skim coat	Negative	N/A	SPI
12-1426b	1 st floor – kitchen – ceiling – plaster base coat	Negative	N/A	SPI
13-1426a	1 st floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
13-1426b	1 st floor – living room – north wall – plaster base coat	Negative	N/A	SPI
14-1426	2 nd floor – north bedroom – orange and green linoleum	Negative	N/A	MFLog

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
15-1426a	Basement – on chimney – bottom layer – white flue packing	Positive 30% Chrysotile	1 Sq. Ft.	TFPw
15-1426b	Basement – on chimney – top layer – gray flue packing	Negative	N/A	TFPy
16-1426	Basement – south room – on north wall – duct paper	Positive 80% Chrysotile	12 Sq. Ft.	TDW
17-1426	Basement – south room – on floor near north wall – duct paper	Positive 75% Chrysotile	Reference 16-1426	TDW
18-1426	2 nd floor – south room – on north wall duct – duct paper	Positive 70% Chrysotile	Reference 16-1426	TDW
19-1426	Basement – south room – on north wall near ceiling duct – packing material	Negative	N/A	TPM
20-1426	Basement – north room – on ceiling duct – duct insulation	Negative	N/A	TDI
21-1426	1 st floor – front porch – on walls – drywall #2	Negative	N/A	MDW2
22-1426	Garage – roll on floor – tar paper	Negative	N/A	MPT
23-1426	Quality Assurance/Quality Control sample of 4-1426	Negative	N/A	QA/QC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	950 Sq. Ft.
1 st /2 nd	Dwelling	Asphalt Shingle Siding	1,800 Sq. Ft.
1 st	Front Porch/Front Entry/Bedroom	Floor Tile & Mastic	200 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
MFLr	Red Linoleum
MFLgt	Green & Tan Linoleum
MFLog	Orange & Green Linoleum
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MDW2	Drywall #2
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TDW	Duct Paper
TPM	Packing Material
TDI	Duct 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 duct paper may be within walls and ceilings. Exploratory demolition required for exact quantity.

Note#5: Estimated cost for friable asbestos removal

V. EXCLUSIONS

Garage ½ full of debris – floor only partially visible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

LEAD

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

MERCURY

Products that may contain mercury:

LIGHTING

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

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 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 & 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 – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u> N/A </u>	Hazardous Waste
<u> N/A </u>	Oil Tanks
<u> N/A </u>	Well Abandonment
<u> 11 </u>	Junk Auto Tires – Back Yard, Garage
<u> 1 </u>	Junk Vehicle – Behind Dwelling

* 1 Gas Meter 20 Gallons Paint, & 1 Quart Motor Oil in Basement

* 25 Gallons Paint & 1 Gallon Paint Thinner in Front Porch

* 1 Quart Motor Oil, 1 Quart Pesticide, 1 Gallon Paint Thinner, & 5 Gallons paint in Garage

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. 225761	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1426

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1426	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3
002	2-1426	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
003	3-1426	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
004	4-1426	Homogeneous	Cream Window Glazing	Asbestos Not Present	Cellulose 3	CaCO3
005	5-1426	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
006	6-1426	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
007	7-1426	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum Paint

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1426

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-1426	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
009	9-1426	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
010	10-1426	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
010a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
011	11-1426	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1426

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
012	12-1426	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
013	13-1426	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
014	14-1426	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
015	15-1426	Layered	Gray Insulation	Asbestos Present Chrysotile 30	NA	CaCO3 Binder

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

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Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1426

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015a		Layered	Gray Concrete	Asbestos Not Present	NA	Quartz CaCO3
016	16-1426	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 80	NA	Binder
017	17-1426	Homogeneous	White Insulation	Asbestos Present Chrysotile 75	Cellulose 15	Binder
018	18-1426	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder
019	19-1426	Homogeneous	Gray Insulation	Asbestos Not Present	NA	Quartz CaCO3
020	20-1426	Homogeneous	Gray Insulation	Asbestos Not Present	NA	Quartz CaCO3
021	21-1426	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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

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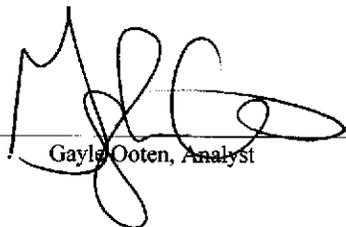


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 225761	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 08/21/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 08/22/2013	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1426

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22-1426	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 40	Tar
023	23-1426	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	CaCO3



Gayle Ooten, Analyst

8/22/2013
Date of Report

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

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www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 225961
Accept Reject

Report Results (one box)
 QuanTEM Website
 Other email

Project Information	
Project Name:	DNS
Project Location:	Milwaukee, WI
Project ID:	13-2000-068.1426
P.O. Number:	

Company:	Harendra Management Group	Phone:	(414) 383-4800
Contact:	Dean Jacobsen	Cell Phone:	
Account #:	B929	E-mail:	djacobsen@harendra.com
SAMPLED BY:	Name:	Date:	
	<i>Dean Jacobsen</i>	8/21/13 1800	FedEx
RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY
<i>Dean Jacobsen</i>	8/21/13 1800	FedEx	<i>J. Mueller</i>
			8/21/13 9:40

REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM		PLM		PCM		TEM		TEM		TURNAROUND TIME	
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Drinking Water- EPA 100.2	Waste Water- EPA 600/4-83-043	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence	Bulk- Quantitative (weight%) - Chatfield	Rush
<input checked="" type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-1426	<input checked="" type="checkbox"/>			Do Not Analyze Moist.
2	2-1426	<input type="checkbox"/>			
3	3-1426	<input type="checkbox"/>			
4	4-1426	<input type="checkbox"/>			
5	5-1426	<input type="checkbox"/>			
6	6-1426	<input type="checkbox"/>			
7	7-1426	<input type="checkbox"/>			
8	8-1426	<input type="checkbox"/>			
9	9-1426	<input type="checkbox"/>			
10	10-1426	<input checked="" type="checkbox"/>			



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For Lab Use Only
 Lab No. 225761
 Accept *[Signature]* Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-1426				
12	12-1426				
13	13-1426				
14	14-1426				Do Not Analyze / Markie
15	15-1426				
16	16-1426				
17	17-1426				
18	18-1426				
19	19-1426				
20	20-1426				
21	21-1426				
22	22-1426				
23	23-1426				Do Not Analyze / Markie
24					
25					
26					
27					
28					
29					
30					

IX. HMG CERTIFICATION



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1361-63 West Wright 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.: 13-2000-068.1361
Contract No.: 360-13-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2013

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I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1361-63 West Wright Street, Milwaukee, Wisconsin.

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

II. BUILDING SURVEY

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

On July 24, 2013, HMG conducted an asbestos inspection of a two family dwelling scheduled for mechanical demolition, located at 1361-63 West Wright Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14730.

The inspection was comprised of three elements:

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

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

III. THE LABORATORY

A. METHOD OF ANALYSIS

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

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

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1361	Exterior – north wall under vinyl siding – transite siding	Positive 25% Chrysotile	1,300 Sq. Ft.	MTP
2-1361	Exterior – west wall under vinyl siding – transite siding	Positive 20% Chrysotile	Reference 1-1361	MTP
3-1361	Exterior – south wall under vinyl siding – transite siding	Positive 25% Chrysotile	Reference 1-1361	MTP
4-1361a	Exterior – north wall under transite siding – tar paper	Negative	N/A	MPT
4-1361b	Exterior – north wall under transite siding – tar	Negative	N/A	MPT
4-1361c	Exterior – north wall under transite siding – tar paper bottom layer	Negative	N/A	MPT
5-1361a	Exterior – west wall under transite siding – tar	Negative	N/A	MPT
5-1361b	Exterior – west wall under transite siding – tar paper	Negative	N/A	MPT
6-1361a	Exterior – south wall under transite siding – tar paper	Negative	N/A	MPT
6-1361b	Exterior – south wall under transite siding – tar	Negative	N/A	MPT
6-1361c	Exterior – south wall under transite siding – tar paper bottom layer	Negative	N/A	MPT
6-1361d	Exterior – south wall under transite siding – paper insulation	Negative	N/A	MPI
7-1361	1 st floor – kitchen – tan and cream linoleum	Negative	N/A	MFLtc
8-1361	2 nd floor – kitchen – tan and cream linoleum	Negative	N/A	MFLtc
9-1361	2 nd floor – hall – tan and cream linoleum	Negative	N/A	MFLtc
10-1361	1 st floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
10-1361	1 st floor – living room – south wall – plaster base coat	Negative	N/A	SPI
11-1361	1 st floor – bedroom – north wall – plaster skim coat	Negative	N/A	SPI
11-1361	1 st floor – bedroom – north wall – plaster base coat	Negative	N/A	SPI
12-1361	1 st floor – hall – south wall – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
12-1361	1 st floor – hall – south wall – plaster base coat	Negative	N/A	SPI
15-1361a	2 nd floor – bathroom – south wall – joint compound	Negative	N/A	MDW
15-1361b	2 nd floor – bathroom – south wall – drywall	Negative	N/A	MDW
16-1361a	1 st floor – bathroom – north wall – joint compound	Negative	N/A	MDW
16-1361b	1 st floor – bathroom – north wall – drywall	Negative	N/A	MDW
17-1361a	1 st floor – kitchen – south wall – joint compound	Negative	N/A	MDW
17-1361b	1 st floor – kitchen – south wall – drywall	Negative	N/A	MDW
18-1361a	2 nd floor – living room – west wall – plaster #2 skim coat	Negative	N/A	SPI2
18-1361b	2 nd floor – living room – west wall – plaster #2 base coat	Negative	N/A	SPI2
19-1361a	2 nd floor – kitchen – north wall – plaster #2 skim coat	Negative	N/A	SPI2
19-1361b	2 nd floor – kitchen – north wall – plaster #2 base coat	Negative	N/A	SPI2
20-1361a	2 nd floor – north bedroom – east wall – plaster #2 skim coat	Negative	N/A	SPI2
20-1361b	2 nd floor – north bedroom – east wall – plaster #2 base coat	Negative	N/A	SPI2
21-1361a	2 nd floor – south bedroom – south wall – plaster #2 skim coat	Negative	N/A	SPI2
21-1361b	2 nd floor – south bedroom – south wall – plaster #2 base coat	Negative	N/A	SPI2
22-1361a	2 nd floor – stair – west wall – patch layer	Negative	N/A	SPI2
22-1361b	2 nd floor – stair – west wall – plaster #2 skim coat	Negative	N/A	SPI2
22-1361c	2 nd floor – stair – west wall – plaster #2 base coat	Negative	N/A	SPI2
23-1361	2 nd floor – living room – on east wall duct – duct paper <i>Note: Quantity includes 1st floor utility room</i>	Positive 65% Chrysotile	4 Sq. Ft.	TDW
24-1361	2 nd floor – stair – east wall – texture	Negative	N/A	STX
25-1361	1 st floor – kitchen – north wall – texture	Negative	N/A	STX
26-1361	1 st floor – kitchen – south wall – texture	Negative	N/A	STX
27-1361	1 st floor – bedroom – west wall – texture	Negative	N/A	STX
28-1361	1 st floor – living room – east wall – texture	Negative	N/A	STX
29-1361	1 st floor – utility room – on chimney – flue packing	Negative	N/A	TFP
30-1361	1 st floor – utility room – on duct at north wall – aircell sheet	Positive 60% Chrysotile	3 Sq. Ft.	TA
31-1361	1 st floor – kitchen – south window – glazing compound	Negative	N/A	MPG
32-1631	Quality Assurance/Quality Control sample of 7-1361	Negative	N/A	QA/QC
33-1361	Quality Assurance/Quality Control sample of 23-1361	Positive 60% Chrysotile	N/A	QA/QC

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

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 st	Kitchen	Floor Mastic	140 Sq. Ft.
1 st	Hall/Bathroom	Floor Tile & Mastic	60 Sq. Ft.
2 nd	Kitchen/Hall/Bathroom	Floor Tile & Mastic	350 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
STX	Texture
MTP	Transite
MPT	Tar Paper
MFLtc	Tan & Cream Linoleum
MDW	Drywall/Joint Compound
MPG	Glazing Compound
TDW	Duct Paper
TA	Aircell Sheet
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: Additional duct paper and aircell may be within walls and ceilings. Exploratory demolition required for exact quantity.

Note#5: Estimated cost for friable asbestos

V. EXCLUSIONS

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

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>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 Living 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

<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 Utility Room

<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>2</u>	Light Ballasts – 2 nd Floor Living Room
<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



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

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 224642	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/26/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/30/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1361	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3
002	2-1361	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3-1361	Homogeneous	Gray Transite	Asbestos Present Chrysotile 25	NA	CaCO3 Paint
004	4-1361	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
004a		Layered	Black Tar	Asbestos Not Present	NA	Tar
004b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5-1361	Layered	Black Tar	Asbestos Not Present	Cellulose 20	Tar Mica

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/30/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6-1361	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006a		Layered	Black Tar	Asbestos Not Present	NA	Tar
006b		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006c		Layered	White Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7-1361	Homogeneous	Beige Flooring	Asbestos Not Present	Cellulose 10 Glass Fiber 10	Vinyl CaCO3
008	8-1361	Homogeneous	Beige Flooring	Asbestos Not Present	Cellulose 10 Glass Fiber 10	Vinyl CaCO3

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Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9-1361	Homogeneous	Beige Flooring	Asbestos Not Present	Cellulose 10 Glass Fiber 10	Vinyl CaCO3
010	10-1361	Layered	White Skim Coat	Asbestos Not Present	Glass Fiber 2	Quartz CaCO3 Paint
010a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2	Quartz CaCO3
011	11-1361	Layered	White Skim Coat	Asbestos Not Present	Glass Fiber 2	Quartz Paint
011a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2	Quartz CaCO3
012	12-1361	Layered	White Skim Coat	Asbestos Not Present	Cellulose <1 Glass Fiber <1	Quartz Paint
012a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2	Quartz CaCO3

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

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 224642	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 07/26/2013	P.O. Box 511305
Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/30/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	15-1361	Layered	White Texture	Asbestos Not Present	Cellulose <1	Gypsum CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10 Glass Fiber 5	Gypsum
014	16-1361	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10 Glass Fiber 3	Gypsum
015	17-1361	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
015a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10 Glass Fiber 3	Gypsum
016	18-1361	Layered	White Skim Coat	Asbestos Not Present	Glass Fiber <1	Quartz Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Received By: Joanna Mueller	New Berlin, WI 53151-2105
Date Analyzed: 07/30/2013	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2	Quartz CaCO3
017	19-1361	Layered	White Skim Coat	Asbestos Not Present	Glass Fiber <1	Quartz Paint
017a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2	Quartz CaCO3
018	20-1361	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	21-1361	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz Paint
019a		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 2	Quartz CaCO3

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	22-1361	Layered	White Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint
020a		Layered	White Skim Coat	Asbestos Not Present	Glass Fiber <1	Quartz Paint
020b		Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber <1	Quartz CaCO3
021	23-1361	Layered	White Mastic	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
021a		Layered	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 10	Binder
022	24-1361	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
023	25-1361	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	26-1361	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
025	27-1361	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
026	28-1361	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	29-1361	Homogeneous	White Plaster	Asbestos Not Present	Glass Fiber 3	Quartz CaCO3
028	30-1361	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 15	Binder
029	31-1361	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
030	32-1361	Homogeneous	Beige Flooring	Asbestos Not Present	Cellulose 10 Glass Fiber 10	Vinyl Binder

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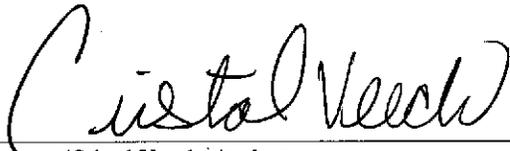


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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 13-2000-068.1361

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	33-1361	Layered	White Mastic	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
031a		Layered	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 15	Binder


 Cristal Veech, Analyst

7/30/2013
 Date of Report

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

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
 Lab No. 224642
 Accept Reject
 Report Results (in one box)
 QuantEM Website
 Other email

Contact Information
 Company: Harenda Management Group Phone: (414) 383-4800
 Contact: Dean Jacobsen Cell Phone:
 Account #: B929 E-mail: djacobsen@harenda.com
Project Information
 Project Name: DNS
 Project Location: Milwaukee, WI
 Project ID: 13-2000-068.1361
 P.O. Number:

REINQUISHED BY
 Name: Dean Jacobsen DATE & TIME: 7/25/13 1700 VIA: Fed Ex
 Signature: [Signature] 7/26/13 1130

REQUESTED SERVICES (Please check the appropriate boxes)

PEM	PLM	TEM
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Dust-Presence / Absence
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments
1	1-(361)	<input checked="" type="checkbox"/>			
2	2-(361)	<input type="checkbox"/>			
3	3-(361)	<input type="checkbox"/>			
4	4-(361)	<input type="checkbox"/>			
5	5-(361)	<input type="checkbox"/>			
6	6-(361)	<input type="checkbox"/>			
7	7-(361)	<input type="checkbox"/>			
8	8-(361)	<input type="checkbox"/>			
9	9-(361)	<input type="checkbox"/>			
10	10-(361)	<input checked="" type="checkbox"/>			Do Not Analyze/Destroy ↓



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Lab No. 224612
 Accept Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)
11	11-1361	<input checked="" type="checkbox"/>			
12	12-1361	<input type="checkbox"/>			
13	13-1361	<input type="checkbox"/>			
14	14-1361	<input type="checkbox"/>			
15	15-1361	<input type="checkbox"/>			
16	16-1361	<input type="checkbox"/>			
17	17-1361	<input type="checkbox"/>			
18	18-1361	<input type="checkbox"/>			
19	19-1361	<input type="checkbox"/>			
20	20-1361	<input type="checkbox"/>			
21	21-1361	<input type="checkbox"/>			
22	22-1361	<input type="checkbox"/>			
23	23-1361	<input type="checkbox"/>			
24	24-1361	<input type="checkbox"/>			
25	25-1361	<input type="checkbox"/>			
26	26-1361	<input type="checkbox"/>			
27	27-1361	<input type="checkbox"/>			
28	28-1361	<input type="checkbox"/>			
29	29-1361	<input type="checkbox"/>			
30	30-1361	<input type="checkbox"/>			
31	31-1361	<input type="checkbox"/>			
32	32-1361	<input checked="" type="checkbox"/>			



ASBESTOS CHAIN OF CUSTODY
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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058
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Lab No. 224612
 Accept Reject

Project Information		Company: Harenda Management Group	Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
31	33-1361	<input checked="" type="checkbox"/>			
32		<input type="checkbox"/>			
33		<input type="checkbox"/>			
34		<input type="checkbox"/>			
35		<input type="checkbox"/>			
36		<input type="checkbox"/>			
37		<input type="checkbox"/>			
38		<input type="checkbox"/>			
39		<input type="checkbox"/>			
40		<input type="checkbox"/>			
41		<input type="checkbox"/>			
42		<input type="checkbox"/>			
43		<input type="checkbox"/>			
44		<input type="checkbox"/>			
45		<input type="checkbox"/>			
46		<input type="checkbox"/>			
47		<input type="checkbox"/>			
48		<input type="checkbox"/>			
49		<input type="checkbox"/>			
50		<input type="checkbox"/>			

IX. HMG CERTIFICATION

3.1.0.

BID FOR DEMOLITION

Department of Neighborhood Services
841 North Broadway
Milwaukee, Wisconsin

Gentlemen:

1. The undersigned, having familiarized _____ with the existing conditions on the Project Area affecting the cost of the work, and with the Contract Documents revised January, 1999, (which includes Invitation for Bids, Instruction to Bidders, the form of Bid, the form of the Bid Bond, Form of Contract (or agreement), form of Non-Collusion Affidavit, Addenda (if any), General Conditions, Technical Specifications, Drawings (as listed in the schedule of drawings), and Form of Surety Bond or Bonds); hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services including utility and transportation services and to perform and complete all work required for the demolition of twelve (12) primary buildings and three (3) secondary building located in the City of Milwaukee, bid opening dated 2-14-2014 all in accordance with the above-listed documents;

(a) for the lump sum of _____ Dollars (\$_____), in addition to and above the value of such salvage materials specified to become the property of the Bidder;

(b) in consideration of any salvaged materials which under the Contract Documents are to become the property of the Bidder and other benefits, will pay the Department of Neighborhood Services of the City of Milwaukee, the sum of _____ Dollars (\$_____),

(Bidder will strike out the subparagraph (a) or (b) not used.)

2. In submitting this Bid, the Bidder understands that the right is reserved by the Commissioner of the Department of Neighborhood Services of the City of Milwaukee to reject any and all Bids as provided in sec. 2.8.2. of the Instructions To Bidders. If written notice of the acceptance of this Bid is mailed, faxed or delivered to the undersigned within sixty (60) calendar days after the opening thereof, or at any time thereafter before this Bid is withdrawn, the undersigned agrees to execute and deliver an Agreement in the prescribed form and furnish the required bond within fourteen (14) calendar days after the agreement is presented to him or her for signature.

3. A Bid Guaranty equal in amount to at least 10% of the total bid is enclosed, which certified check, bank draft or bid bond is submitted as a guaranty of the good faith of the Bidder and as a further guaranty that the Bidder will enter into the written Contract as provided, if successful in securing the award thereof. It is hereby agreed that if at any time other than as provided in the Instructions to Bidder, the Bidder should withdraw this Bid, or if this Bid is accepted and there should be a failure on the part of the Bidder to execute the Contract and furnish the required surety bond or bonds, the Department of Neighborhood Services, in either of such events, shall be entitled and is hereby given the right to retain said Bid Guaranty.

4. Attached hereto is an affidavit in proof that the undersigned has not colluded with any person in respect to this Bid or any other Bid for the Contract for which this Bid is submitted.

5. The Bidder is prepared to submit a financial and experience statement upon request.

Date _____, 2014

Official Address

By _____

Title _____

3.1.0.

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Department of Neighborhood Services
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Milwaukee, Wisconsin

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5. The Bidder is prepared to submit a financial and experience statement upon request.

Date _____, 2014

Official Address

By _____

Title _____

NON-COLLUSION AFFIDAVIT OF PRIME BIDDER

STATE OF _____)
)SS
COUNTY OF _____)

_____, being first duly sworn, deposes and says that:

- (1) S/he is _____ (owner, partner, officer, representative or agent) of _____, the Bidder that has submitted the attached Bid.
- (2) S/he is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid.
- (3) Such bid is genuine and is not a collusive or sham bid.
- (4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has had or will have communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder or to fix the overhead, profit or cost element of the bid price or the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Department of Neighborhood Services of the City of Milwaukee or any person interested in the proposed Contract.
- (5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.
- (6) Attached and following this affidavit is a full and complete list of all subcontractors and the class of work to be performed by each, which the Bidder proposes to use.

Title

Subscribed and sworn to before me
This _____ day of _____, 20____

Title

My commission expires:

BID BOND FORM

KNOW ALL MEN BY THESE PRESENTS, That we the undersigned,

(name of Principal)

as PRINCIPAL, and

, as SURETY

(name of Surety)

are held and firmly bound unto the Department of Neighborhood Services of the City of Milwaukee, hereinafter called the "Building Inspector", in the full and just sum of 10 percent of the total amount of :

(Bid cost in words)

(Bid cost in numerals)

Parcel 1 _____ Dollars \$ _____

Parcel 2 _____ Dollars \$ _____

Parcel 3 _____ Dollars \$ _____

Parcel 4 _____ Dollars \$ _____

Parcel 5 _____ Dollars \$ _____

Parcel 6 _____ Dollars \$ _____

Parcel 7 _____ Dollars \$ _____

Parcel 8 _____ Dollars \$ _____

Parcel 9 _____ Dollars \$ _____

Parcel 10 _____ Dollars \$ _____

Parcel 11 _____ Dollars \$ _____

Parcel 12 _____ Dollars \$ _____

LUMP SUM _____

lawful money of the United States, in addition to and above the value of such salvage materials specified to become the property of the Bidder, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid,

dated _____, 20____, for Demolition Project Opening 2-14-14

(12) TWELVE Primary buildings and (3) THREE secondary buildings.

NOW THEREFORE, if the Principal shall be awarded the contract and if his Bid shall not have been previously withdrawn in accordance with the provisions of the instructions to Bidders, and if the Principal shall enter into a formal contract with the Building Inspector in accordance with the accepted Bid, said Bid shall be accompanied by good and sufficient surety or sureties for the faithful performance of the work, then this obligation is void and of no effect.

However, in the event that the Principal shall be awarded the contract, his Bid not being previously withdrawn in accordance with the instructions to Bidders, and if the Principal shall neglect or fail to execute such contract or to give sufficient surety or sureties within the time specified, or if no time be specified, within 14 calendar days, then the Principal and/or surety shall forfeit to the Building Inspector as liquidated damages the amount of this bond.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this _____ day of _____, 20____, the names and corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In presence of:

(Individual Principal) (SEAL)

(Business Address)

(Individual Principal) (SEAL)

(Business Address)

Attest:

(Corporate Principal) (SEAL)

(Business Address)

By _____ corporate seal Affix seal

Attest:

Attest:

(Corporate Surety)

Countersigned

by _____
Attorney-in-Fact,

By _____ corporate seal Affix seal

State of _____

(Power of attorney for person signing for surety company must be attached to bond)

BID BOND AFFIDAVIT

STATE OF WISCONSIN)
MILWAUKEE COUNTY)

being first duly sworn, on oath deposes and says that s/he is

(Attorney-in-fact or agent)

of _____ (Surety)

surety on the within bond executed by _____

Affiant further deposes and says that no Commissioner or employee of the Department of Neighborhood Services of the City of Milwaukee, and no City official or employee of the City of Milwaukee has any interest, directly or indirectly in, or is receiving any premium, commission, fee or other thing of value on account of the sale or furnishing of said bid bond.

Subscribed and sworn to before me this

_____ day of _____, 20

Notary Public, Milwaukee County, Wisconsin

My commission expires _____

Rev. 1/00

3.7.0.

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I
am the _____ Secretary of
the corporation named as Principal in the within bond; that
_____, who signed the said bond on behalf
of the Principal was then _____
of said corporation; that I know his signature, and his signature thereto is genuine,
and that said bond was duly signed, sealed, and attested to for and in behalf of said
corporation by authority of its governing body.

_____(Corporate)

Title _____(Seal)

3.3.0.

COMPLETE LIST OF SUBCONTRACTORS

(Include Plumbing Contractor)

	Name of Proposed Subcontractors	Class of Work
1.	_____ _____ Address	_____
2.	_____ _____ Address	_____
3.	_____ _____ Address	_____
4.	_____ _____ Address	_____
5.	_____ _____ Address	_____
6.	_____ _____ Address	_____
7.	_____ _____ Address	_____
8.	_____ _____ Address	_____
9.	_____ _____ Address	_____

FORM B (3/13)

CITY OF MILWAUKEE DEPARTMENT OF NEIGHBORHOOD SERVICES
 AFFIDAVIT OF COMPLIANCE WITH THE
 SMALL BUSINESS ENTERPRISE (SBE) PROVISIONS

BIDS DUE: February 14, 2014

The bidders minimum commitment for SBE participation on this project is as follows:

REQUIRED OVERALL PROJECT PARTICIPATION			
	SBE	25%	

The Commissioner of the Department of Neighborhood Services reserves the right to reject and disqualify any bid that does not achieve the percentage requirement for this project. This also applies if the undersigned contractor fails to comply with the City's requirements as outlined in the SBE provisions.

The undersigned hereby states that s/he has not discriminated in any manner on the basis of race, sex, or national origin in any manner in the preparation of the attached bid or selection of subcontractors and/or material suppliers for such bid.

The undersigned acknowledges, understands and agrees that submission of a bid shall commit the bidder to comply with the City's SBE policy to achieve the City's stated percentage requirements for SBE participation on this contract, including submission of the information required by the proposed schedule of subcontractors and/or material suppliers.

CONTRACTOR AFFIRMS THAT THEY WILL MEET THE FOLLOWING MINIMUM SBE PROGRAM REQUIREMENTS: (BIDDER MUST WRITE IN PERCENTAGE AND SUBMIT WITH BID DOCUMENTS.)

SBE: _____ %

The undersigned also states that all the submitted SBE information is true and correct to the best of his/her knowledge.

 Authorized Signature

 Date

Printed Name

Title

Company Name

STATE OF WISCONSIN)
 COUNTY OF MILWAUKEE)

Personally came before me this ____ day of _____, ____.

_____ who acknowledges that s/he executed the foregoing document for the purpose therein contained for and on behalf of said company.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Notary Public, Milwaukee County, WI

My Commission expires:

**City of Milwaukee
Department of Public Works
Local Business Enterprise Provisions**

I. General:

- A. In accordance with Chapter 365 of the Milwaukee Code of Ordinances, the application of a Local Business Enterprise (LBE) program is required in all contracting activities of the Department of Public Works, unless contrary to federal, state or local law or regulation. To this end, the Commissioner of Public Works, as a contracting officer of the City, will apply an award standard in all bids so that an otherwise responsive and responsible bidder which is a Local Business Enterprise shall be awarded the contract, provided that its bid does not exceed the lowest bid by more than 5%.
- B. Bidders seeking the Local Business Enterprise preference shall prepare and submit with the bid an accurate affidavit certifying their LBE status. Failure to do so may result in an LBE forfeiting their rights to be considered for the program.
- C. Sanctions – If any document submitted to the city by a contractor under this chapter for the purpose of participating in any city contract contains false, misleading or fraudulent information, the Commissioner of Public Works, may direct the imposition of any of the following sanctions on the offending contractor:
1. Withholding of payment.
 2. Termination, suspension or cancellation of the contract in whole or in part.
 3. Denial to participate in any further contracts awarded by the City.
- D. Penalty – Any person, firm or corporation knowingly engaging in fraud, misrepresentation or in any attempt, direct or indirect, to evade the provisions of this chapter by providing false, misleading or fraudulent information shall, upon conviction, forfeit not less than \$2,000 nor more than \$5,000 together with the costs of prosecution.
- E. Right to Appeal – All contracts awarded under ss. 7-14-2 and 7-22 of the City Charter shall be awarded by the Commissioner of Public Works to the lowest responsible bidder determined in accordance with any applicable City Ordinances relating to the participation of Local Business Enterprises. Following the opening of any bid where the Commissioner has considered compliance with such City Ordinances, the Commissioner shall publish in an official City newspaper his or her determination as to the lowest responsible bidder. Any bidder who objects to the determination based on the consideration of such City Ordinances, may appeal the recommendation by filing a written appeal with the Commissioner within five (5) working days of the date of publication. The appeal shall state the specific objection to the determination, including supporting documentation, and specify an alternative determination. Any appeals that do not conform to this section shall not be considered. The Commissioner shall schedule a hearing before the Public Works Contract Appeals Committee which shall be comprised of the chair of the Economic Development Committee or his or her designee, and a member of the Economic Development Committee selected by the chair and the Director of Administration or his or her designee to be held within five days of receipt of the appeal. The Public Works Contract Appeals Committee shall have the authority by majority vote to affirm or set aside the determination of the Commissioner and their decision in this regard shall be final. In the event that a timely appeal meeting the requirements of this paragraph is not filed, or the Committee affirms the commissioner's determination following a timely appeal, the Commissioner shall make an award in accordance with his or her determination.

II. Definitions:

- A. Local Business Enterprise means a business which satisfies all of the following criteria:
1. Owns or leases property within the geographical boundaries of the City of Milwaukee. Post office boxes shall not suffice to establish status as a Local Business Enterprise.
 2. A residential address may qualify, but only if the business does not own or lease other real property, either within or outside the geographical boundaries of the City of Milwaukee.
 3. Leased property may qualify but only if at least half of the acreage of all the real property owned or leased by the business is located within the geographical boundaries of the City of Milwaukee.
 4. Has been doing business in the City of Milwaukee for at least one (1) year.
 5. Is not delinquent in the payment of any local taxes, charges or fees, or the business has entered into an agreement to pay any delinquency and is abiding by the terms of the agreement.
 6. Will perform at least 10% of the monetary value of the work required under the contract.

III. Local Business Enterprise requirement:

- A. Department of Public Works shall, unless contrary to federal, state or local law or regulation, apply an award standard in all bids so that an otherwise responsive and responsible bidder which is a Local Business Enterprise shall be awarded the contract, provided that its bid does not exceed the lowest bid by more than 5%.
- B. If the bids of two or more Local Business Enterprises do not exceed the lowest bid by more than 5%, the contract shall be awarded to the Local Business Enterprise that submitted a bid that exceeded the lowest bid by the smallest amount.
- C. If a bid submitted by a non-Local Business Enterprise and a bid submitted by a Local Business Enterprise are identical, the contract shall be awarded to the Local Business Enterprise, even if the bids are only identical due to the 5% award standard provided for in this chapter.
- D. If two bids submitted by two Local Business Enterprises are identical, the winner will be determined in accordance with the process for tie-breakers as established by the city purchasing director.
- E. If the difference between the low bidder's amount and the lowest Local Business Enterprise amount is within 5% of the low bidder and exceeds \$25,000, then the provisions in section III-A shall not apply.
- F. Paragraph III-A shall only be applied to the "base bid".



DEPARTMENT OF NEIGHBORHOOD SERVICES
CONTRACT DIVISION

**LOCAL BUSINESS ENTERPRISE (LBE) PROGRAM
AFFIDAVIT OF COMPLIANCE**

IMPORTANT: This form must be submitted with your bid to be considered for LBE status.

Bid/RFP #: _____
Company Name: _____
Address: _____
City, State, Zip _____

This affidavit of compliance will be the contractor's sworn statement that the business meets the following criteria:

- 1. The business owns or leases property within the geographical boundaries of the City of Milwaukee. Post office boxes shall not suffice to establish status as a Local Business Enterprise.
- 2. A residential address may suffice to establish compliance as a Local Business Enterprise, but only if the business does not own or lease other real property, either within or outside the geographical boundaries of the City of Milwaukee.
- 3. Leased property shall not suffice to establish compliance as a Local Business Enterprise unless at least half of the acreage of all the real property owned or leased by the business is located within the geographical boundaries of the City of Milwaukee.
- 4. The business has owned or leased real property within the geographical boundaries of the City of Milwaukee *and* the business has been doing business in the City of Milwaukee for at least one (1) year.
- 5. The business is not delinquent in the payment of any local taxes, charges or fees, or the business has entered into an agreement to pay any delinquency and is abiding by the terms of the agreement.
- 6. The business will perform at least 10% of the monetary value of the work required under the contract.

SITE VISITS: Please note the contractor agrees to allow the City to verify Local Business Enterprise status by allowing City Staff to visit the operation(s) of the business that is seeking Local Business Enterprise status at any time without notice, in an effort to maintain the integrity of the City's bidding process.

If applicable, initial here _____ if criteria in #3 above is satisfied.
Initial

I hereby declare compliance with the City of Milwaukee Code of Ordinances Chapter 365.

Authorized Signature: _____

Printed Name: _____

Date: _____

NOTARIZATION

Subscribed to before me on this _____ day of _____ in the year
_____, at _____ County,
_____ State.

NOTARY PUBLIC SIGNATURE: _____

(SEAL)

PRINT NAME: _____

My commission expires: _____

PLEASE SUBMIT THIS FORM WITH YOUR BID TO:
DEPT. OF NEIGHBORHOOD SERVICES
841 NORTH BROADWAY, ROOM 105
MILWAUKEE, WISCONSIN 53202



DEPARTMENT OF NEIGHBORHOOD SERVICES
CONTRACT DIVISION

**LOCAL BUSINESS ENTERPRISE (LBE) PROGRAM
BUSINESS PROPERTY LOCATION FORM**

Important Note: This form must be submitted with your bid to be considered for LBE status.

Bid / RFP # _____

Property Location 1 **Check one: Own [] Lease []**

Name:	
Address:	
City, State, Zip	

Property Location 2 **Check one: Own [] Lease []**

Name:	
Address:	
City, State, Zip	

Property Location 3 **Check one: Own [] Lease []**

Name:	
Address:	
City, State, Zip	

Property Location 4 **Check one: Own [] Lease []**

Name:	
Address:	
City, State, Zip	

PLEASE SUBMIT THIS FORM WITH YOUR BID TO:
DEPT. OF NEIGHBORHOOD SERVICES
841 NORTH BROADWAY, ROOM 105
MILWAUKEE, WISCONSIN 53202

PRICE BREAKDOWN

This price breakdown is to be submitted by the contractor to the Building Inspector with the bid documents .

NO.	PARCEL ADDRESS	DEMO ONLY	ASBESTOS TOTAL	TOTAL PRICE
1	2333 North 17 th St			
2	2836 North 18 th St			
3	2449-51 North 21 st St			
4	2776 North 21 st St			
5	2655 North 23 rd St			
6	2038 North 28 th St			
7	2404 04A North 33 rd St			
8	2122 North 34 th St			
9	2420-22 North 34 th St			
10	2511 North 37 th St			
11	1426 West Groeling Ave			
12	1361 West Wright St			
	TOTAL LUMP SUM BID			