

OFFICIAL NOTICE

PUBLISHED BY THE DEPARTMENT OF NEIGHBORHOOD
SERVICES OF THE CITY OF MILWAUKEE

INVITATION FOR BIDS FOR DEMOLITION PROJECT

THE COMMISSIONER OF THE DEPARTMENT OF NEIGHBORHOOD SERVICES OF THE CITY OF MILWAUKEE ("Commissioner"), Milwaukee, Wisconsin, acting pursuant to Section 7-22-3, Milwaukee City Charter, will receive sealed bids in triplicate for furnishing all labor and materials and performing all work necessary for and incidental to the demolition of nine (9) primary buildings and two (2) secondary buildings located in the City of Milwaukee, Wisconsin, until 9:00 a.m. (central time) on WEDNESDAY, SEPTEMBER 21, 2016, at which time all bids will be publicly opened and read. Any bids received after that time may be rejected and returned unopened.

1. Bids shall be awarded to lowest most qualified, responsive, and responsible on a per parcel basis.
2. All bids shall be held open for a period of sixty (60) days subsequent to the opening of bids and no bid may be withdrawn without the written consent of the Commissioner. **IN THE EVENT THE COMMISSIONER, DURING THE SIXTY DAYS FOLLOWING BID OPENING, TAKES NO ACTION RELATIVE TO THE BID OR BIDS RECEIVED, THEN THE BID OR BIDS SHALL BECOME NULL AND VOID WITHOUT RECOURSE OF ANY KIND BY EITHER THE BIDDER OR COMMISSIONER, ACTING ON BEHALF OF THE CITY.**

As part of the bid, each bidder shall submit a full and complete list of all the proposed subcontractors and the class of work to be performed by each, which list shall not be altered without the written consent of the Commissioner.

The Commissioner reserves the right to reject any and all bids at any time, if it is in the best interests of the City, and to waive any informalities in bidding.

Attention is called to the fact that: (a) per changes in State Statute 66.0903, effective July 1, 2011, prevailing wage rates DO NOT apply to work advertised or performed under these bid/contract documents; (b) the successful bidder will not discriminate against any qualified employee or qualified applicant for employment because of sex, race, religion, color, national origin or ancestry, age, disability, lawful source of income, marital status, sexual orientation, gender identity or expression, past or present membership in the military service, familial status, or based upon affiliation with, or perceived affiliation with any of these categories as provided by Section 109-9 of the Milwaukee Code of Ordinances. This provision must be included in all subcontracts. (c) Contractor agrees that they will comply with all applicable requirements of the Americans with Disabilities Act of 1990, 42 U.S.C. 12101, et seq.; (d) both parties understand that the City is bound by the Wisconsin Public Records Law, and as such, all of the terms of this Agreement are subject to and conditioned on the provisions of Wis. Stat. Section 19.21, et seq. Contractor acknowledges that it is obligated to assist the City in retaining and producing records that are subject to Wisconsin Public Records Law, and that the failure to do so shall constitute a material breach of this Agreement, and that the Contractor must defend and hold the City harmless from liability under that law. Except as otherwise authorized, those records shall be maintained for a period of seven (7) years after receipt of final payment under this Agreement. Successful bidder will be required to complete an Affidavit of Compliance/Disclosure of Participation in or Profits Derived from Slavery by Contractors before contract can be executed.

The Small Business Enterprise (SBE) requirement for this project is 25% of the contract base bid. **For a complete listing of City of Milwaukee certified SBE firms, please contact the Office of Small Business Development at 414-286-5553. More information can be found at www.milwaukee.gov/osbd .**

The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low-and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

Copies of the contract documents may be obtained electronically at <http://city.milwaukee.gov/Demobids>

Printed copies may be purchased in person at the Department of Neighborhood Services at the address shown below. The cost is \$.20 per page.

DEPARTMENT OF NEIGHBORHOOD SERVICES
OF THE CITY OF MILWAUKEE
841 NORTH BROADWAY
MILWAUKEE WI 53202-3650
September 8 & 9, 2016

BID DOCUMENTS
FOR
DEMOLITION PROJECT
OPENING WEDNESDAY, SEPTEMBER 21, 2016

Milwaukee, Wisconsin

DEPARTMENT OF NEIGHBORHOOD SERVICES

CITY OF MILWAUKEE

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 DEMOLITION PROJECT OPENING WEDNESDAY, SEPTEMBER 21, 2016

Parcel numbers, street addresses, approximate sizes of main structures to be demolished under this contract are listed in 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

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))

Parcel 1 — 2417 North 26th Street – 1.5-story frame 1-family dwelling

Remove dwelling, garage slab, sidewalks, trees, bushes and shrubs. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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 – 2524 North 27th Street – 2.5-story frame 1-family dwelling

Remove dwelling, garage slab, sidewalks, concrete steps, trees, bushes and shrubs. Fences are to remain. Splashboard/barricade protection required during demolition. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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)**

Parcel 3 – 2913 North 27th Street – 2-story frame 1-family dwelling

Remove dwelling, garage slab, clothes poles, concrete steps, bushes and shrubs. Fences on the north side of the lot are to remain. Splashboard/barricade protection required during demolition. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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)**

Parcel 4 – 1518-20 North 33rd Street – 2-story frame 2-family dwelling

Remove dwelling, garage slab, sidewalks, bushes and shrubs. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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 5 – 1547-49 North 33rd Street – 2-story frame 2-family dwelling

Remove dwelling, retaining wall, garage slab, sidewalks, concrete steps, bushes and shrubs. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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. (11 days to complete)**

Parcel 6 – 3229 North 34th Street – 2-story frame 2-family dwelling & 1-story frame garage

Remove dwelling and garage, garage slab, concrete steps, trees, bushes and shrubs. Splashboard/barricade protection required during demolition. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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)**

Parcel 7 – 1438 North 37th Street – 2-story frame 2-family dwelling

Remove dwelling, sidewalks, concrete steps and railings, bushes and shrubs. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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 8 – 4448 North 41st Street – 1.5-story frame 1-family dwelling & 1-story frame garage

Remove dwelling and garage, garage slab, fences, patio, sidewalks, concrete steps, trees, bushes and shrubs, driveway and approach and one curb cut. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. **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 SECTION 218-6-10 OF THE MILWAUKEE CODE OF 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 LICENSED 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 WALK REMOVAL.** Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition

that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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. (10 days to complete including concrete work)**

Parcel 9 – 1405 West Congress Street – 1-story frame 1-family dwelling

Remove dwelling, fences, garage slab, patio, sidewalks, two sets of concrete steps and railings, bushes and shrubs. Contractor shall be responsible for removal of all tree stumps on this parcel as part of the demolition. Prior to demolition, the contractor must meet at the site with the Condemnation Inspector to provide a demolition plan. Contractor must also notify neighbors on the block face of the demolition that demolition activity is about to begin. This notification shall be done via a department-approved letter or door knocker. The inspection report from Harenda Management Group is included. **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)**

Parcels are owned by the City of Milwaukee.

The City of Milwaukee has contacted We Energies to cut gas and electrical services. Contractor is responsible for verifying that ALL utilities have been disconnected prior to starting work.

DUE TO THE FUNDING SOURCE FOR THESE PARCELS, ALL PARCELS MUST BE RAZED, INSPECTED, APPROVED AND INVOICED BY DECEMBER 31, 2016. LIQUIDATED DAMAGES OF \$100 PER DAY WILL BE STRICTLY ENFORCED ON CONTRACTS RESULTING FROM THIS BID OPENING.

REQUIRED EROSION CONTROL MEASURES FOR PARCELS: CONTRACTOR SHALL BE RESPONSIBLE 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.

FAILURE TO REQUEST OPEN BASEMENT INSPECTION WILL RESULT IN THE INSPECTOR REQUIRING COMPLETE RE-EXCAVATION 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 ANY 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 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 SITES 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.

IF THE DEPARTMENT OF NEIGHBORHOOD SERVICES (DNS) HAS BEEN HOLDING A CONTRACT PAYMENT FOR A YEAR AND STILL HAS NOT RECEIVED REQUIRED DOCUMENTATION FROM THE CONTRACTOR TO CLOSE OUT THE CONTRACT, DNS MAY NOTIFY THE CONTRACTOR THAT UNLESS THE DOCUMENTATION IS FORTHCOMING WITHIN THIRTY (30) DAYS, THE PAYMENT WILL BE FORFEITED.

**5.7.0. LOCATION AND DESCRIPTION OF BUILDING TO BE DEMOLISHED.
(SEE ATTACHED)**

DEPARTMENT OF NEIGHBORHOOD SERVICES 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 (Compliance Plan for SBE participation) and the Price Breakdown Sheet.

The demolition contractor must include the plumbing contractor, asbestos abatement contractor, certified CFC reclaimer, licensed waste tire transporter 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.

Section 3 Participation Estimated Project Work Force Breakdown must be submitted with bid or within 3 calendar days of bid opening.

If any bidder has any questions as to the Bid Documents or Specifications, please contact this office by calling 414-286-2503.

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 nine (9) primary buildings and two (2) secondary buildings located in the City of Milwaukee, for Demolition Project opening September 21, 2016, 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 _____, 20____.

Company Name

OFFICIAL ADDRESS

By _____

TITLE _____

3.2.0. 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.

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

Notary Public, Milwaukee County, WI

Title

My commission expires: _____

3.8.0.

BID BOND AFFIDAVIT

STATE OF WISCONSIN)SS
MILWAUKEE COUNTY)

_____ ,

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

(Attorney-in-fact or agent)

of _____

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, Hauling Contractor, Asbestos Abatement Contractor, Certified CFC Reclaimer, Licensed Waste Tire Transporter and Licensed Concrete Contractor)

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

DEMOLITION PROJECT OPENING 9-21-16
LOCATION AND DESCRIPTION OF BUILDINGS TO BE DEMOLISHED

Parcel Number	Address	Stories	Construc.	Occupancy	Families	Owner	Cubic Footage
1	2417 North 26 th Street	1.5	frame	dwelling	1	CITY	18,125
2	2524 North 27 th Street	2.5	frame	dwelling	1	CITY	23,040
3	2913 North 27 th Street	2	frame	dwelling	1	CITY	14,400
4	1518-20 North 33 rd Street	2	frame	dwelling	2	CITY	33,750
5	1547-49 North 33 rd Street	2	frame	dwelling	2	CITY	44,250
6	3229 North 34 th Street	2	frame	dwelling	2	CITY	21,120
	3229 North 24 th Street	1	frame	garage	-	CITY	4,400
7	1438 North 37 th Street	2	frame	dwelling	2	CITY	29,250
8	4448 North 41 st Street	1.5	frame	dwelling	1	CITY	15,300
	4448 North 41 st Street	1	frame	garage	-	CITY	3,080
9	1405 West Congress Street	1	frame	dwelling	1	CITY	7,590

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.

PRICE BREAKDOWN

NO.	PARCEL ADDRESS	ASBESTOS ABATEMENT	DEMOLITION	TOTAL
1	2417 North 26 th Street			
2	2524 North 27 th Street			
3	2913 North 27 th Street			
4	1518-20 North 33 rd Street			
5	1547-49 North 33 rd Street			
6	3229 North 34 th Street			
7	1438 North 37 th Street			
8	4448 North 41 st Street			
9	1405 West Congress Street			

CONTRACTOR MUST SUBMIT FORM WITH ALL ORIGINAL SIGNATURES.

BID BOND FORM

KNOW ALL PERSONS 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 sum of 10 percent of the total bid of:

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 \$ _____

(bid price in words)

(bid price in numerals)

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 DNS PROJECT OPENING 9-21-16
DEMOLITION OF 9 PRIMARY BUILDINGS AND 2 SECONDARY BUILDINGS

NOW THEREFORE, if the Principal shall be awarded the contract and if his/her 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 Bids, 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/her 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 days, then the Principal and/or surety shall forfeit to the Building Inspector as liquidated damages the amount of this bond.

Revised 1/01

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:

_____(SEAL)
(Individual Principal)

(Business Address)

_____(SEAL)
(Individual Principal)

(Business Address)

Attest:

_____(SEAL)
(Corporate Principal)

(Business Address)

By _____ affix
corporate
seal

Attest:

(Corporate Surety)

Countersigned

by _____
Attorney-in-Fact

By _____ affix
corporate
Seal

State of _____

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

The City of Milwaukee NSP1/NSP2 Program

Section 3 Business Certification

Section 3: Section 3 of the Housing and Urban Development Act of 1968 (12 U.S.C. 1701u; 42 U.S.C. 3535(d)). Section 3 is now implemented in HUD’s regulations as 24 CFR Part 135.

Purpose: “To ensure that employment and other economic opportunities generated by certain HUD financial assistance shall, to the greatest extent feasible, and consistent with existing Federal, State and local laws and regulations, be directed to low-and very low-income persons, particularly those who are recipients of government assistance for housing, and to business concerns which provide economic opportunities to low- and very low-income persons” [135.1]

Section 3 Business Criteria: Your business is eligible for Section 3 Certification if it meets any one of the following criteria. If your business meets one or more of these criteria; select “X” in the applicable criteria.

- 1. Fifty-one percent or more of your business is owned and managed by a Section 3 qualified person or persons. (See qualification guidelines below)
- 2. Thirty percent or more of your permanent, full-time employees are Section 3 qualified persons, or within three years of the date of their first employment with your business were Section 3 qualified persons.
- 3. You can provide evidence of a commitment to subcontract in excess of 25 percent of the dollar award of all subcontracts to be awarded to business concerns that meet the qualifications of (1) and (2) above.

Section 3 Person Criteria: A Section 3 qualified person must:

- A. Reside in NSP1 or NSP2 target area, OR
- B. Reside in The City of Milwaukee, AND
- C. Earn no more than the following amounts (per family household) :

Family Size:	1 Person	2 Persons	3 Persons	4 Persons	5 Persons	6 Persons	7 Persons	8 Persons
Family income limit to qualify as "low-income" (i.e., 50% of median)	\$24,900	\$28,450	\$32,000	\$35,550	\$38,400	\$41,250	\$44,100	\$46,950
Family income limit to qualify as "low-income" (i.e., 80% of median)	\$39,850	\$45,550	\$51,250	\$56,900	\$61,500	\$66,050	\$70,600	\$75,150

Section 3 Statement: Please check the appropriate box below.

- My business is a Section 3 business in accordance with the criteria selected above under Section 3 Business Criteria.
- My business is not a Section 3 business.

Signature:		Date Signed:
Name:	Title:	
Company Name:		
Address:		
Telephone Number:		

Note: If you certify above that your business is a Section 3 business, and you qualify for award of the contract based on the preferences given to Section 3 businesses and described in the solicitation, The City of Milwaukee may request documentation and additional information as may be reasonably required to certify whether your business qualifies as a Section 3 business

If you have any questions about this form, please call your agency contact representative.

SECTION 3 CLAUSE
(for inclusion in all section 3-covered contracts)

- A. The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low-and very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.
- C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- D. The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.
- E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.
- F. Non compliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- G. With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act

(25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

OFFICIAL NOTICE NUMBER _____

PROJECT DESCRIPTION _____

Section 3 Participation (see attached definition): Estimated Project Work Force Breakdown
[to be submitted with bid or within three (3) calendar days of bid opening]

Please supply the following information for all applicable job categories. Subcontractors are responsible for providing this information to the prime contractor.

Prime Contractor _____

Subcontractor _____

Job Category	Total Estimated Positions Needed For Project	# Of Positions Occupied By Permanent Employees	# Of Positions Not Occupied	# of Positions To Be Filled With Section 3 Residents
Officer/Supervisors				
Professionals				
Technical				
Office/Clerical				
Service Workers				
Others				
TRADE:				
Journeyman				
Helpers	NOTE: Helpers not allowed on this contract			
Apprentices				
Trainees	NOTE: Trainees not allowed on this contract			
Others				
TRADE:				
Journeyman				
Helpers	NOTE: Helpers not allowed on this contract			
Apprentices				
Trainees	NOTE: Trainees not allowed on this contract			
Others				
SUB-TOTALS (this sheet)				
FINAL TOTALS				

Contractor _____

SHEET ____ OF ____

Name _____ Title _____ Date _____

DEFINITIONS OF SECTION 3 BUSINESS AND RESIDENTS

(Excerpted from the Federal Register dated 6/30/94)

Contractors and subcontractors shall give to the greatest extent feasible, and consistent with existing Federal, State and local laws and regulations, job training, employment, contracting and other economic opportunities to Section 3 residents and Section 3 business concerns.

Section 3 Business Concern:

A Section 3 business concern is defined as a business:

1. that is 51% or more owned by Section 3 residents; or
2. whose permanent, full-time employees includes persons, at least 30% of whom are currently Section 3 residents, or within 3 years of the date of first employment with the business concern were Section 3 residents; or
3. that provides evidence of a commitment to subcontract in excess of 25% of the dollar award of all subcontracts to be awarded to business concerns that meet the qualifications of (1) and (2) above.

Priority - Contractors and subcontractors shall direct their efforts to award Section 3 covered contracts to the greatest extent feasible in the following order of priority:

1. Business concerns that are 51% or more owned by residents of the housing development or development for which the Section 3 covered assistance is expended, or whose full time, permanent workforce includes 30% of these persons as employees;
2. Business concerns that are 51% or more owned by residents of other housing development(s) managed by the housing authority or whose full time, permanent workforce includes 30% of these persons as employees; or
3. HUD Youthbuild programs being carried out in the metropolitan area;
4. Business concerns that are 51% or more owned by Section 3 residents, or whose permanent, full time workforce includes no less than 30% Section 3 residents.

A Section 3 business concern seeking a contract or subcontract shall submit evidence, if requested, sufficient to demonstrate that the business concern is responsible and has the ability to perform successfully under the terms and conditions of the proposed contract.

Section 3 Resident

Section 3 resident means:

1. A public housing resident; or
2. An individual who resides in the Milwaukee metropolitan area, and who is:
 - i) A low-income person, as this term is defined in Section 3(b)(2) of the 1937 Act (42 U.S.C. 1437 a(b)(2)). Section 3(b)(2) of the 1937 Act defines this term to mean families (including single persons) whose incomes do not exceed 80 percent of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families.
 - ii) A very low-income person, as this term is defined in Section 3(b)(2) of the 1937 Act (42 U.S.C. 1437 a(b)(2)). Section 3(b)(2) of the 1937 Act (42 U.S.C. 1437 a(b)(2)) defines this term to mean families (including single persons) whose incomes do not exceed 50 percent of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families.
3. A person seeking the training and employment preference provided by Section 3 bears the responsibility of providing evidence (if requested) that the person is eligible for the preference.

Priority - Contractors and subcontractors shall give to low-income and very low-income persons the training and employment opportunities generated by development assistance. Priority for employment and training shall be directed in the following order of priority:

1. Residents of the housing development(s) for which the assistance is expended.
2. Residents of other developments managed by the public housing agency.
3. Participants in Youthbuild programs being carried out in the metropolitan area.
4. Other Section 3 residents.

Table of Adjusted Median Income for Milwaukee County (effective 05/2010)

Number of persons in household	1	2	3	4	5	6	7	8
Family income limit to qualify as "low-income" (i.e., 50% of median)	\$24,900	\$28,450	\$32,000	\$35,550	\$38,400	\$41,250	\$44,100	\$46,950
Family income limit to qualify as "low-income" (i.e., 80% of median)	\$39,850	\$45,550	\$51,250	\$56,900	\$61,500	\$66,050	\$70,600	\$75,150

For assistance in identifying candidates for Section 3 resident employees, please reach your agency contact.

FORM B (3/13)

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

BIDS DUE: 9-21-16

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: _____



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
1405 West Congress 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.: 16-400-014.1405
Contract No.: 360-16-0745**

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

August 2016

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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 suspect asbestos containing materials in the dwelling at 1405 West Congress Street, Milwaukee, Wisconsin.

The inspection included caulk, paper insulation, mortar, tar paper, drywall/joint compound, ceiling tile, blown in insulation, linoleum, flue packing, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 26, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 1405 West Congress 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 asbestos containing materials within the buildings.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over the polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. 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 caulk, paper insulation, mortar, tar paper, drywall/joint compound, ceiling tile, blown in insulation, linoleum, flue packing, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – on around north door – white caulk	Trace <1% Chrysotile	MCLKw
1	POINT COUNT RESULT	Trace 0.5% Chrysotile	MCLKw
2	Exterior – on around east window – white caulk	Trace <1% Chrysotile	MCLKw
2	POINT COUNT RESULT	Trace 0.75% Chrysotile	MCLKw
3	Exterior – on around south door – white caulk	Trace <1% Chrysotile	MCLKw
3	POINT COUNT RESULT	Trace 0.5% Chrysotile	MCLKw
4	Exterior – north wall under aluminum siding – tan paper insulation	Negative	MPIt
5	Exterior – east wall under aluminum siding – tan paper insulation	Negative	MPIt
6	Exterior – south wall under aluminum siding – tan paper insulation	Negative	MPIt
7	Basement – on windows – glass block mortar	Negative	MGBM
8a	1 st floor – northeast room – under floor tile – tar paper	Negative	MPT
8b	1 st floor – northeast room – under– tar paper – brown mastic	Negative	MPT
9a	1 st floor – northwest room – under floor tile – tar paper	Negative	MPT
9b	1 st floor – northwest room – under– tar paper – brown mastic	Negative	MPT
10a	1 st floor – bathroom – under floor tile – tar paper	Negative	MPT
10b	1 st floor – bathroom – under– tar paper – brown mastic	Negative	MPT
11	1 st floor – northeast room – in north wall – silver paper insulation	Negative	MPIs
12	1 st floor – northwest room – in north wall – silver paper insulation	Negative	MPIs
13	1 st floor – southwest room – in north wall – silver paper insulation	Negative	MPIs

Sample #	Location and Description	Results	Homogeneous Code
14	1 st floor – northeast room – around wood window frame – black caulk	Positive 20% Chrysotile	MCLKk
15	1 st floor – northwest room – around wood window frame – black caulk	Positive 20% Chrysotile	MCLKk
16	1 st floor – southwest room – around wood window frame – black caulk	Positive 20% Chrysotile	MCLKk
17	1 st floor – northeast room – on north window – clear caulk	Negative	MCLKc
18	1 st floor – northwest room – on west window – clear caulk	Negative	MCLKc
19	1 st floor – southwest room – on south window – clear caulk	Negative	MCLKc
20	1 st floor – northeast room – west wall – drywall	Negative	MDW
21a	1 st floor – northeast room – 1' x 1' ceiling tile	Negative	MSCT11
21b	1 st floor – northeast room – under 1' x 1' ceiling tile – brown mastic	Negative	MSCT11
22a	1 st floor – northwest room – 1' x 1' ceiling tile	Negative	MSCT11
22b	1 st floor – northwest room – under 1' x 1' ceiling tile – brown mastic	Negative	MSCT11
23a	1 st floor – southwest room – 1' x 1' ceiling tile	Negative	MSCT11
23b	1 st floor – southwest room – under 1' x 1' ceiling tile – brown mastic	Negative	MSCT11
24	1 st floor – living room – on floor – blown in insulation	Negative	MBI
25	1 st floor – kitchen – on floor – blown in insulation	Negative	MBI
26	Attic – on floor – blown in insulation	Negative	MBI
27	1 st floor – kitchen – under floor tile – tan and gold linoleum	Positive 20% Chrysotile	MFLtd
28	1 st floor – bathroom – under wall panels – tan mastic	Negative	MWMt
29	Basement – stair landing – under floor tile – white linoleum	Positive 60% Chrysotile	MFLw
30a	Basement – on chimney – flue packing bottom layer	Positive 5% Chrysotile	TFP
30b	Basement – on chimney – flue packing top layer	Positive 35% Chrysotile	TFP

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Black Caulk	MCLKk	Interior in Walls Around Window & Door Frames	14 Windows & 2 Doors
Tan & Gold Linoleum	MFLtd	Kitchen Under Fire Debris & Floor Tile	130 Sq. Ft.
White Linoleum	MFLw	Basement Stair Landing Under Floor Tile	10 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	750 Sq. Ft.
1 st	All Rooms	Floor Tile & Mastic	1,100 Sq. Ft.

Homogeneous Material Codes

MCLKw	White Caulk
MCLKk	Black Caulk
MCLKc	Clear Caulk
MPIt	Tan Paper Insulation
MPIs	Silver Paper Insulation
MGBM	Glass Block Mortar
MPT	Tar Paper
MDW	Drywall
MSCT11	1' x 1' Ceiling Tile
MBI	Blown in Insulation
MFLtd	Tan & Gold Linoleum
MFLw	White Linoleum
MWMt	Tan Wall Mastic
TFP	Gray Flue Packing

Note#1: The linoleums and flue packing are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The black caulk is a category II non-friable material. It is not likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the black mastic on tar paper is not recommended.

Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

CFCs and HALONS

Equipment that may contain CFCs and Halons:

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

* 1 Water Meter, 1 Weed Trimmer, & 1 Quart Lighter Fluid in Basement

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	Talc	3 CaCO3 Binder
002	2	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	Talc	3 CaCO3 Binder
003	3	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	Talc	3 CaCO3 Binder
004	4	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
005	5	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
006	6	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
007	7	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar

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

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



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
008	8	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
008a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
009	9	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
009a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
010	10	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar

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. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
011	11	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 40	Tar Foil
012	12	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 40	Tar Foil
013	13	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 40	Tar Foil
014	14	Homogeneous	Black Mastic	Asbestos Present Chrysotile 20	NA	Tar
015	15	Homogeneous	Black Mastic	Asbestos Present Chrysotile 20	NA	Tar
016	16	Homogeneous	Black Mastic	Asbestos Present Chrysotile 20	NA	Tar

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. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone
018	18	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone
019	19	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone
020	20	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	15 5 Gypsum
021	21	Layered	Tan Ceiling Tile	Asbestos Not Present	Cellulose	90 Paint
021a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Layered	Tan Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
022a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
023	23	Layered	Tan Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
023a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
024	24	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
025	25	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
026	26	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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. 267266	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 10	CaCO3 Vinyl
028	28	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
029	29	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
030	30	Layered	Tan Insulation	Asbestos Present Chrysotile 5	Glass Fiber 60	Binder
030a		Layered	Gray Insulation	Asbestos Present Chrysotile 35	NA	CaCO3 Binder

Dee Ammerman, Analyst

8/1/2016

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

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For Lab Use Only	
Lab No. <u>2107116</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results (<input checked="" type="checkbox"/> one box)	
<input checked="" type="checkbox"/> QuanTEM Website	<input type="checkbox"/> Other <u>email</u>

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.1405	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Dean Jacobsen</u>	<u>7/26/16 1700</u>	<u>FedEx</u>	<u>PA</u>	<u>7/27/16 9:45</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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Lab No. Ue72e6

Accept

Reject

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Project Information						
Company: Harenda Management Group		Project Name: DNS			Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
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"/>				
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 type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input checked="" type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267671	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/04/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 08/05/2016	Project: DNS-PTCT for 267266
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1405

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.50 400 Point Count	NA	
002	2	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
003	3	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

Dee Ammerman, Analyst

8/5/2016

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. <u>267266</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (<input checked="" type="checkbox"/> one box) <input checked="" type="checkbox"/> Quantem Website <input type="checkbox"/> Other email _____
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.1405	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	8/3/16 1645	Email	<i>[Signature]</i>	8/4/16 8:00

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 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 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	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	1	<input checked="" type="checkbox"/>				Quantem Lab #: 267266
2	2	<input checked="" type="checkbox"/>				
3	3	<input checked="" 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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1438 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.: 16-400-014.1438
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII - 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 1438 North 37th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, paper insulation, caulk, window glazing compound, drywall/joint compound, ceiling tile, linoleum, ceramic tile, mortar, insulation pad, duct paper, flue packing, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 22, 2016, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1438 North 37th 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, paper insulation, caulk, window glazing compound, drywall/joint compound, ceiling tile, linoleum, ceramic tile, mortar, insulation pad, duct paper, flue packing, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	Exterior – east wall – asphalt shingle siding	Negative	MSS
1b	Exterior – east wall – under asphalt shingle siding – fiberboard	Negative	MSS
2a	Exterior – south wall – asphalt shingle siding	Negative	MSS
2b	Exterior – south wall – under asphalt shingle siding – fiberboard	Negative	MSS
3a	Exterior – west wall – asphalt shingle siding	Negative	MSS
3b	Exterior – west wall – under asphalt shingle siding – fiberboard	Negative	MSS
4	Exterior – east wall under wood siding – paper insulation	Negative	MPI
5	Exterior – south wall under wood siding – paper insulation	Negative	MPI
6	Exterior – west wall under wood siding – paper insulation	Negative	MPI
7	Exterior – around east window – gray caulk	Negative	MCLKy
8	Exterior – around south window – gray caulk	Positive 5% Chrysotile	MCLKy
9a	Exterior – on west wall corner – gray caulk	Positive 5% Chrysotile	MCLKy
9b	Exterior – on west wall corner – black caulk	Negative	MCLKy
10a	1 st floor – front entry – north wall – plaster skim coat	Negative	SPI
10b	1 st floor – front entry – north wall – plaster base coat	Negative	SPI
11a	1 st floor – west bedroom – south wall – joint compound layer	Negative	SPI
11b	1 st floor – west bedroom – south wall – plaster skim coat	Negative	SPI
11c	1 st floor – west bedroom – south wall – plaster base coat	Negative	SPI
12a	1 st floor – pantry – north wall – wallpaper	Negative	SPI
12b	1 st floor – pantry – north wall – plaster skim coat	Negative	SPI
12c	1 st floor – pantry – north wall – plaster base coat	Negative	SPI
13a	2 nd floor – kitchen – ceiling – plaster skim coat	Negative	SPI
13b	2 nd floor – kitchen – ceiling – plaster base coat	Negative	SPI
14a	2 nd floor – living room – north wall – joint compound layer	Negative	SPI
14b	2 nd floor – living room – north wall – plaster skim coat	Negative	SPI
14c	2 nd floor – living room – north wall – plaster base coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
15	1 st floor – front entry – on ceiling – texture	Negative	STX
15A	1 st floor – rear stair – on upper south wall – texture	Negative	STX
15B	2 nd floor – rear stair – on upper east wall – texture	Negative	STX
16	1 st floor – dining room – on west window – glazing compound	Negative	MPG
17	2nd floor – pantry – on east window – glazing compound	Positive 3% Chrysotile	MPG
18	Basement – on south window – glazing compound	Positive 4% Chrysotile	MPG
19	1 st floor – dining room – on ceiling – texture #2	Negative	STX2
20	1 st floor – living room – on north wall – texture #2	Negative	STX2
21	1 st floor – kitchen – on west wall – texture #2	Negative	STX2
22a	1 st floor – living room – east wall – joint compound	Negative	MDW
22b	1 st floor – living room – east wall – drywall	Negative	MDW
23a	1 st floor – kitchen – north wall – joint compound	Negative	MDW
23b	1 st floor – kitchen – north wall – drywall	Negative	MDW
24a	2 nd floor – bathroom – west wall – joint compound	Negative	MDW
24b	2 nd floor – bathroom – west wall – drywall	Negative	MDW
25	1 st floor – west bedroom – on west wall – texture #3	Negative	STX3
26	1 st floor – west bedroom – on north wall – texture #3	Negative	STX3
27	1 st floor – west bedroom – on east wall – texture #3	Negative	STX3
28	1 st floor – west bedroom – 1' x 1' ceiling tile	Negative	MSCT11
29	1 st floor – pantry – under carpet – yellow mastic	Negative	MCM
30	1 st floor – east bedroom – on south wall – texture #4	Negative	STX4
31	1 st floor – east bedroom – on east wall – texture #4	Negative	STX4
32	1 st floor – east bedroom – on west wall – texture #4	Negative	STX4
33a	1 st floor – bathroom – gray linoleum	Negative	MFLy
33b	1 st floor – bathroom – under gray linoleum – yellow mastic	Negative	MFLy
34	1 st floor – bathroom – on walls under panel – gold mastic	Negative	MWmd
35a	1 st floor – bathroom – on shelf at tub – tan ceramic tile	Negative	MCTMt
35b	1 st floor – bathroom – on shelf at tub – grout	Negative	MCTMt
36a	1 st floor – bathroom – under tub surround – beige mastic	Negative	MWMe
36b	1 st floor – bathroom – under tub surround – joint compound	Negative	MWMe
37	1 st floor – bathroom – 2' x 4' ceiling tile	Negative	MSCT24
38	1 st floor – rear stair – on lower south wall – texture #5	Negative	STX5
39	1 st floor – rear stair – on lower north wall – texture #5	Negative	STX5
40	2 nd floor – rear stair – on lower east wall – texture #5	Negative	STX5
41a	2 nd floor – rear stair – on steps – white linoleum	Negative	MFLw
41b	2 nd floor – rear stair – on steps – under white linoleum – yellow mastic	Negative	MFLw
42a	2 nd floor – rear stair – on landing – cream linoleum	Negative	MFLc
42b	2 nd floor – rear stair – on landing – under cream linoleum – yellow mastic	Negative	MFLc
43a	2 nd floor – bathroom – beige linoleum	Negative	MFLe
43b	2 nd floor – bathroom – under beige linoleum – yellow mastic	Negative	MFLe
44a	2 nd floor – bathroom – on shelf at tub – mortar	Negative	MMTR
44b	2 nd floor – bathroom – on shelf at tub – mortar layer 2	Negative	MTR
45a	Basement – stair landing – under parquet floor – brown linoleum	Negative	MFLn

Sample #	Location and Description	Results	Homogeneous Code
45b	Basement – stair landing – under brown linoleum – brown mastic	Negative	MFLn
46	Basement – southeast area – on joist – insulation pad	Positive 80% Chrysotile	TIP
47	Basement – on southeast boot – duct paper	Positive 65% Chrysotile	TDW
48	Basement – on north side of chimney – gray flue packing	Negative	TFPy
49	Basement – on west side of chimney bottom layer – dark gray flue packing	Positive 4% Chrysotile	TFPydark
50	Basement – on west side of chimney top layer – white flue packing	Negative	TFPw

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Gray Caulk	MCLKy	Exterior Around 1 st & 2 nd Floor Windows & Doors, on Asphalt Siding Corners	22 Windows & 3 Doors, 60 Ln. Ft. on Siding Corners
Window Glazing Compound	MPG	All Floors	31 Windows
Insulation Pad	TIP	Basement Southeast Area on Joist	1 Sq. Ft.
Duct Paper	TDW	Basement on Southeast Boot	2 Sq. Ft.
Dark Gray Flue Packing	TFPydark	Basement on West Side of Chimney Bottom Layer	2 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	160 Sq. Ft.
2 nd	Pantry/Kitchen	Floor Tile & Mastic	190 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STX2	Texture #2
STX3	Texture #3
STX4	Texture #4
STX5	Texture #5
MSS	Asphalt Shingle Siding
MPI	Paper Insulation
MCLKy	Gray Caulk
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MSCT11	1' x 1' Ceiling Tile
MSCT24	2' x 4' Ceiling Tile
MCM	Carpet Mastic
MFLy	Gray Linoleum
MFLw	White Linoleum
MFLc	Cream Linoleum
MFLe	Beige Linoleum
MFLn	Brown Linoleum

Homogeneous Material Codes

MWMe	Beige Wall Mastic
MWMd	Gold Wall Mastic
MCTMt	Tan Ceramic Tile
MMTR	Mortar
TIP	Insulation Pad
TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TFPw	White Flue Packing
TDW	Duct Paper

Note#1: The insulation pad, duct paper, and flue packing are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The window glazing compound and gray caulk are category II non-friable materials and it is likely that these materials will become crumbled, pulverized or reduced to powder during demolition. Abatement of the glazing compound and caulk is recommended.

Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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>6</u>	Fluorescent Lights – 2 nd Floor Kitchen, Dining Room, & Living 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

<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 were PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	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 on Exterior
- * 1 Gallon Paint in 1st Floor East Bedroom
- * 10 Gallons paint & 1 Water Meter in Basement

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267128	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
003a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
008	8	Homogeneous	Tan Sealant	Asbestos Present Chrysotile 5	NA	CaCO3
009	9	Layered	Tan Sealant	Asbestos Present Chrysotile 5	NA	CaCO3
009a		Layered	Black Mastic	Asbestos Not Present	NA	Tar

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
010a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	2 Sand Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
011b		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
012	12	Layered	Beige Wall Covering	Asbestos Not Present	Synthetic	70 Binder Paint
012a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012b		Layered	Gray Plaster	Asbestos Not Present	Hair	4 Sand Gypsum
013	13	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
013a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
014b		Layered	Gray Plaster	Asbestos Not Present	Cellulose	4 Sand Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	15A	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	15B	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	16	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
019	17	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
020	18	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
021	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	22	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
025	23	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	24	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
026a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
027	25	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
028	26	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
029	27	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
030	28	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
031	29	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	30	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
033	31	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
034	32	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
035	33	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
035a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
036	34	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	CaCO3 Binder

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	35	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
037a		Layered	Brown Grout	Asbestos Not Present	NA	Sand CaCO3
038	36	Layered	Yellow Mastic	Asbestos Not Present	NA	CaCO3 Binder
038a		Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite Paint
039	37	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber 30	Perlite Paint 30
040	38	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	39	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
042	40	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
043	41	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
043a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
044	42	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
044a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
045	43	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

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045a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
046	44	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
046a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
047	45	Layered	Gray Linoleum	Asbestos Not Present	Cellulose 40	Tar CaCO3
047a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
048	46	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 80	Cellulose 5	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 DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267128	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1438

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049	47	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 25	
050	48	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
051	49	Homogeneous	Gray Plaster	Asbestos Present Chrysotile 4	NA	Sand CaCO3
052	50	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
053	39A	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint

Carter Cox

Carter W. Cox, Analyst

7/28/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267128</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject
Report Results (<input checked="" type="checkbox"/> one box)	
<input checked="" type="checkbox"/> Quantem Website	
<input type="checkbox"/> Other <u>email</u>	

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.1438	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/22/16 1700	FedEx	<i>[Signature]</i>	7/25/16 10:25

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>26-7128</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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	15A	<input type="checkbox"/>				
17	15B	<input type="checkbox"/>				
18	16	<input type="checkbox"/>				
19	17	<input type="checkbox"/>				
20	18	<input type="checkbox"/>				
21	19	<input type="checkbox"/>				
22	20	<input type="checkbox"/>				
23	21	<input type="checkbox"/>				
24	22	<input type="checkbox"/>				
25	23	<input type="checkbox"/>				
26	24	<input type="checkbox"/>				
27	25	<input type="checkbox"/>				
28	26	<input type="checkbox"/>				
29	27	<input type="checkbox"/>				
30	28	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>267128</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	29	<input checked="" type="checkbox"/>				
32	30	<input type="checkbox"/>				
33	31	<input type="checkbox"/>				
34	32	<input type="checkbox"/>				
35	33	<input type="checkbox"/>				
36	34	<input type="checkbox"/>				
37	35	<input type="checkbox"/>				
38	36	<input type="checkbox"/>				
39	37	<input type="checkbox"/>				
40	38	<input type="checkbox"/>				
41	39	<input type="checkbox"/>				
42	40	<input type="checkbox"/>				
43	41	<input type="checkbox"/>				
44	42	<input type="checkbox"/>				
45	43	<input type="checkbox"/>				
46	44	<input type="checkbox"/>				
47	45	<input type="checkbox"/>				
48	46	<input type="checkbox"/>				
49	47	<input type="checkbox"/>				
50	48	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>2007128</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>5</u> ₁	<u>49</u>	<input checked="" type="checkbox"/>				
<u>5</u> ₂	<u>50</u>	<input checked="" type="checkbox"/>				
<u>5</u> ₃	<u>39A</u>	<input checked="" type="checkbox"/>				
<u> </u> ₄		<input type="checkbox"/>				
<u> </u> ₅		<input type="checkbox"/>				
<u> </u> ₆		<input type="checkbox"/>				
<u> </u> ₇		<input type="checkbox"/>				
<u> </u> ₈		<input type="checkbox"/>				
<u> </u> ₉		<input type="checkbox"/>				
<u> </u> ₀		<input type="checkbox"/>				
<u> </u> ₁		<input type="checkbox"/>				
<u> </u> ₂		<input type="checkbox"/>				
<u> </u> ₃		<input type="checkbox"/>				
<u> </u> ₄		<input type="checkbox"/>				
<u> </u> ₅		<input type="checkbox"/>				
<u> </u> ₆		<input type="checkbox"/>				
<u> </u> ₇		<input type="checkbox"/>				
<u> </u> ₈		<input type="checkbox"/>				
<u> </u> ₉		<input type="checkbox"/>				
<u> </u> ₀		<input type="checkbox"/>				

** Added per K. Harenda 7/25/11 eps*

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1518-20 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.: 16-400-014.1518-20
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 1518-20 North 33rd Street, Milwaukee, Wisconsin.

The inspection included plaster, paper insulation, fiberboard, tar paper, linoleum, duct paper, ceiling tile, drywall/joint compound, window glazing compound, blown in insulation, flue packing, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 22, 2016, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1518-20 North 33rd 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. 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, fiberboard, tar paper, linoleum, duct paper, ceiling tile, drywall/joint compound, window glazing compound, blown in insulation, flue packing, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – south wall under wood siding – paper insulation	Negative	MPI
2	Exterior – east wall under wood siding – paper insulation	Negative	MPI
3	Exterior – north wall under wood siding – paper insulation	Negative	MPI
4	Exterior – east wall under vinyl siding – fiberboard	Negative	MFB
5a	1 st floor – dining room – west side – carpet	Negative	MCM
5b	1 st floor – dining room – west side – under carpet – brown mastic	Negative	MCM
6	1 st floor – dining room – east side – under carpet – brown mastic	Negative	MCM
7a	1 st floor – living room – carpet	Negative	MCM
7b	1 st floor – living room – under carpet – brown mastic	Negative	MCM
8a	1 st floor – living room – west wall – plaster skim coat	Negative	SPI
8b	1 st floor – living room – west wall – plaster base coat	Negative	SPI
9a	1 st floor – west bedroom – north wall – plaster skim coat	Negative	SPI
9b	1 st floor – west bedroom – north wall – plaster base coat	Negative	SPI
10a	1 st floor – kitchen – south wall – plaster skim coat	Negative	SPI
10b	1 st floor – kitchen – south wall – plaster base coat	Negative	SPI
11a	1 st floor – rear stair – south wall – plaster skim coat	Negative	SPI
11b	1 st floor – rear stair – south wall – plaster base coat	Negative	SPI
12a	2 nd floor – pantry – east wall – plaster skim coat	Negative	SPI
12b	2 nd floor – pantry – east wall – plaster base coat	Negative	SPI
13a	2 nd floor – dining room – west wall – plaster skim coat	Negative	SPI
13b	2 nd floor – dining room – west wall – plaster base coat	Negative	SPI
14a	2 nd floor – front stair – north wall – plaster skim coat	Negative	SPI
14b	2 nd floor – front stair – north wall – plaster base coat	Negative	SPI
15a	1 st floor – hall – under 3 layers floor tile – tar paper	Negative	MPT
15b	1st floor – hall – on tar paper – black mastic	Positive 5% Chrysotile	MPT
16a	1 st floor – kitchen – under 3 layers floor tile – tar paper	Negative	MPT
16b	1st floor – kitchen – on tar paper – black mastic	Positive 5% Chrysotile	MPT
17a	2 nd floor – kitchen – under 2 layers floor tile – tar paper	Negative	MPT

Sample #	Location and Description	Results	Homogeneous Code
17b	2 nd floor – kitchen – on tar paper – black mastic	Positive 5% Chrysotile	MPT
18a	1 st floor – bathroom – under 2 layers floor tile – tan linoleum	Negative	MFLt
18b	1 st floor – bathroom – under tan linoleum – yellow mastic	Negative	MFLt
19	1 st floor – bathroom – on wall under tub surround – brown mastic	Negative	MWMn
20	1 st floor – bathroom – on east wall duct – duct paper	Positive 60% Chrysotile	TDW
20A	Basement – on east boot – duct paper	Positive 60% Chrysotile	TDW
20B	Basement – on west return – duct paper	Positive 60% Chrysotile	TDW
21	1 st floor – bathroom – 2' x 2' ceiling tile	Negative	MSCT22
22	1 st floor – bathroom – on ceiling under plastic tile – yellow mastic	Negative	MWMI
23a	1 st floor – kitchen – east wall – joint compound	Negative	MDW
23b	1 st floor – kitchen – east wall – drywall	Negative	MDW
24	1 st floor – kitchen – west wall – drywall	Negative	MDW
25	1 st floor – kitchen – south wall – drywall	Negative	MDW
26	1 st floor – kitchen – on south window – glazing compound	Negative	MPG
27	2 nd floor – east bedroom – on north window – glazing compound	Positive 4% Chrysotile	MPG
28	Attic – on south window – glazing compound	Trace <1% Chrysotile	MPG
29	2 nd floor – bathroom – under 2 layers floor tile – red and tan linoleum	Positive 20% Chrysotile	MFLrt
30	2 nd floor – bathroom – on tub frame – tan mastic	Negative	MWMt
31	2 nd floor – bathroom – under tub surround – gold mastic	Negative	MWMd
32	2 nd floor – dining room – under 2 carpet – yellow mastic	Negative	MCM2
33	2 nd floor – living room – under 2 carpet – yellow mastic	Negative	MCM2
34	2 nd floor – northwest room – under 2 carpet – yellow mastic	Negative	MCM2
35	Attic – east side under floor – blown in insulation	Negative	MBI
36	Attic – center under floor – blown in insulation	Negative	MBI
37	Attic – west side under floor – blown in insulation	Negative	MBI
38a	Basement – on chimney – flue packing bottom layer	Positive 4% Chrysotile	TFP
38b	Basement – on chimney – flue packing top layer	Negative	TFP

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Black Mastic on Tar Paper	MPT	1 st Floor Hall & Kitchen Under 3 Layers Floor Tile, 2 nd Floor Hall Under Carpet & Floor Tile, 2 nd Floor Kitchen Under 2 Layers Floor Tile	430 Sq. Ft.
Duct Paper	TDW	1 st Floor Bathroom, Basement on Boots & Return Seams	45 Sq. Ft.
Window Glazing Compound	MPG	All Floors	31 Windows

Material	Homogeneous Code	Location	Approximate Quantity
Red & Tan Linoleum	MFLrt	2 nd Floor bathroom Under 2 Layers Floor Tile	30 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 st	Hall/Bathroom/Pantry/Kitchen	Floor Tile & Mastic	700 Sq. Ft.
2 nd	Hall/Bathroom/Pantry/Kitchen	Floor Tile & Mastic	500 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
MPI	Paper Insulation
MFB	Fiberboard
MCM	Carpet Mastic
MCM2	Carpet Mastic #2
MPT	Tar Paper
MFLt	Tan Linoleum
MFLrt	Red & Tan Linoleum
MWMn	Brown Wall Mastic
MWMI	Yellow Wall Mastic
MWmt	Tan Wall Mastic
MWMd	Gold Wall Mastic
MSCT22	2' x 2' Ceiling Tile
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MCLK1	Yellow Caulk
MBI	Blown in Insulation
TFP	Flue Packing
TDW	Duct Paper

Note#1: The duct paper, red and tan linoleum, and flue packing are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The window glazing compound is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the glazing compound is recommended.

The black mastic on the tar paper is a category II non-friable material. It is not likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the black mastic on tar paper is not recommended.

Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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 – 1 st Floor Dining 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

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>2</u>	Junk Auto Tires – Back Yard
<u>1</u>	Junk Vehicles – 1 Car Back Yard

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267129	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/25/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
002	2	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
003	3	Homogeneous	Tan Tar Paper	Asbestos Not Present	Cellulose 80	Tar
004	4	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
005	5	Layered	Tan Flooring	Asbestos Not Present	Synthetic 40	CaCO3 Binder
005a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
006	6	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3

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

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Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	7	Layered	Tan Flooring	Asbestos Not Present	Synthetic 30	CaCO3 Binder
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
008a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	CaCO3 Sand Gypsum
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
009a		Layered	Gray Plaster	Asbestos Not Present	Hair 2	CaCO3 Sand Gypsum

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Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
010a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
011a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
012a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
013a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
014a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
015	15	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar
015a		Layered	Black Tar	Asbestos Present Chrysotile	5	NA Tar
016	16	Layered	Black Tar Paper	Asbestos Not Present	Cellulose	70 Tar

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Black Tar	Asbestos Present Chrysotile 5	NA	Tar
017	17	Layered	Black Tar Paper	Asbestos Not Present	Cellulose 70	Tar
017a		Layered	Black Tar	Asbestos Present Chrysotile 5	NA	Tar
018	18	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20 Synthetic 5	CaCO3 Vinyl
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
019	19	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	20	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
021	20A	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
022	20B	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
023	21	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint
024	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
025	23	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	24	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
027	25	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
028	26	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
029	27	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
030	28	Homogeneous	Gray Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Binder
031	29	Homogeneous	Yellow Sheet Vinyl	Asbestos Present Chrysotile 20	Cellulose 10	CaCO3 Vinyl

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	30	Homogeneous	Tan Caulk	Asbestos Not Present	NA	CaCO3 Binder
033	31	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
034	32	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
035	33	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
036	34	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
037	35	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
038	36	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1518-20

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	37	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
040	38	Layered	Tan Caulk	Asbestos Present Chrysotile 4	Talc 4	CaCO3 Binder
040a		Layered	Gray Concrete	Asbestos Not Present	NA	CaCO3 Sand

Dee Ammerman

Dee Ammerman, Analyst

7/28/2016

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>26719</u>	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	<input checked="" type="checkbox"/> QuanTEM Website		
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	<input type="checkbox"/> Other email _____		
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.1518-20			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>7/22/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>7/25/16 10:25</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>2007109</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
18	18	<input type="checkbox"/>				
19	19	<input type="checkbox"/>				
20	20	<input type="checkbox"/>				
21	20A	<input type="checkbox"/>				
22	20B	<input type="checkbox"/>				
23	21	<input type="checkbox"/>				
24	22	<input type="checkbox"/>				
25	23	<input type="checkbox"/>				
26	24	<input type="checkbox"/>				
27	25	<input type="checkbox"/>				
28	26	<input type="checkbox"/>				
29	27	<input type="checkbox"/>				
30	28	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>2107129</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Information						
Company: Harenda Management Group		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	29	<input checked="" type="checkbox"/>				
32	30	<input type="checkbox"/>				
33	31	<input type="checkbox"/>				
34	32	<input type="checkbox"/>				
35	33	<input type="checkbox"/>				
36	34	<input type="checkbox"/>				
37	35	<input type="checkbox"/>				
38	36	<input type="checkbox"/>				
39	37	<input type="checkbox"/>				
40	38	<input checked="" 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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"	
AII-14370	Exp: 12/01/2016	12/12/1963	Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Two Family Dwelling
1547-49 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.: 16-400-014.1547-49
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 1547-49 North 33rd Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, tar paper, caulk, ceramic tile, window glazing compound, drywall/joint compound, joint compound patch, blown in insulation, duct paper, flue packing, linoleum, fuse holder, floor tile, asphalt roofing, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 21, 2016, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1547-49 North 33rd 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over the polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. 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, transite siding, tar paper, caulk, ceramic tile, window glazing compound, drywall/joint compound, joint compound patch, blown in insulation, duct paper, flue packing, linoleum, fuse holder, floor tile, asphalt roofing, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – east wall – gray transite	Positive 15 % Chrysotile	MTP
2	Exterior – south wall – gray transite	Positive 15 % Chrysotile	MTP
3	Exterior – west wall – gray transite	Positive 15 % Chrysotile	MTP
4	Exterior – east wall – under transite – black tar paper	Negative	MPT
5	Exterior – south wall – under transite – black tar paper	Negative	MPT
6	Exterior – west wall – under transite – black tar paper	Negative	MPT
7	Exterior – around east window – clear caulk	Negative	MCLKc
8a	1 st floor – front entry – on north wall – brown mastic	Negative	SP1
8b	1 st floor – front entry – north wall – under brown mastic – plaster skim coat	Negative	SP1
8c	1 st floor – front entry – north wall – plaster base coat	Negative	SP1
9a	1 st floor – east bedroom – west wall – plaster skim coat	Negative	SP1
9b	1 st floor – east bedroom – west wall – plaster base coat	Negative	SP1
10a	1 st floor – kitchen – north wall – plaster skim coat	Negative	SP1
10b	1 st floor – kitchen – north wall – plaster base coat	Negative	SP1
11a	1 st floor – rear stair – east wall – plaster skim coat	Negative	SP1
11b	1 st floor – rear stair – east wall – plaster base coat	Negative	SP1
12a	2 nd floor – dining room – north wall – plaster skim coat	Negative	SP1
12b	2 nd floor – dining room – north wall – plaster base coat	Negative	SP1
13a	2 nd floor – east bedroom – west wall – plaster skim coat	Negative	SP1
13b	2 nd floor – east bedroom – west wall – plaster base coat	Negative	SP1
14a	2 nd floor – front stairs – north wall – plaster skim coat	Negative	SP1
14b	2 nd floor – front stairs – north wall – plaster base coat	Negative	SP1
15a	1 st floor – east bedroom – at fire place – red ceramic tile	Negative	MCTMr
15b	1 st floor – east bedroom – at fire place – gray grout	Negative	MCTMr
15c	1 st floor – east bedroom – at fire place – under red ceramic tile – gray mortar	Negative	MCTMr
16	1 st floor – east bedroom – on east window – window glazing compound	Negative	MPG
17	2 nd floor – dining room – on south window – white caulk	Negative	MCLKw

Sample #	Location and Description	Results	Homogeneous Code
18a	2 nd floor – east bed room – tan and orange ceramic tile	Negative	MCTMto
18b	2 nd floor – east bed room – at fire place – gray grout	Negative	MCTMto
18c	2 nd floor – east bed room – at fire place – tan and orange ceramic tile – gray mortar	Negative	MCTMto
19a	1 st floor – bathroom floor – white and blue ceramic tile	Negative	MCTMwb
19b	2 nd floor – bathroom floor – gray grout	Negative	MCTMwb
19c	2 nd floor – bathroom floor – under white and blue ceramic tile – gray mortar	Negative	MCTMwb
20a	1 st floor – bath room –south wall – joint compound	Negative	MDW
20b	1 st floor – bath room –south wall – drywall	Negative	MDW
21a	2 nd floor – kitchen – north wall – joint compound	Negative	MDW
21b	2 nd floor – kitchen – north wall – drywall	Negative	MDW
22a	2 nd floor – west bed room – west wall – joint compound	Negative	MDW
22b	2 nd floor – west bed room – west wall – drywall	Negative	MDW
23a	1 st floor – bathroom – on wall at tub – beige ceramic tile	Negative	MCTMe
23b	1 st floor – bathroom – on wall at tub – on beige ceramic tile – yellow caulk	Negative	MCTMe
23c	1 st floor – bathroom – on wall at tub – under beige ceramic tile – yellow mastic	Negative	MCTMe
23d	1 st floor – bathroom – on wall at tub – under yellow mastic – joint compound	Negative	MCTMe
24a	2 nd floor – bathroom – east wall – joint compound patch	Negative	MJC
24b	2 nd floor – bathroom – east wall – joint compound patch layer 2	Negative	MJC
25a	2 nd floor – bathroom –brown linoleum	Negative	MFLn
25b	2 nd floor – bathroom – under brown linoleum – yellow mastic	Negative	MFLn
26	2 nd floor – bathroom – under tub surround – yellow wall mastic	Negative	MWMI
27	2 nd floor – bathroom – in north wall – blown in insulation	Negative	MBI
28	2 nd floor – dining room – in ceiling – blown in insulation	Negative	MBI
29	Attic – stair well – under stairs – blown in insulation	Negative	MBI
30	Attic – east room – south wall – drywall #2	Negative	MDW2
31	Attic – east room – north wall – drywall #2	Negative	MDW2
32	Attic – east room – west wall – drywall #2	Negative	MDW2
33a	1 st floor – kitchen – ceiling – plaster skim coat #2	Negative	SP12
33b	1 st floor – kitchen – ceiling – plaster base coat #2	Negative	SP12
34a	1 st floor – dining room – ceiling west side – plaster skim coat #2	Negative	SP12
34b	1 st floor – kitchen – ceiling west side – plaster base coat #2	Trace <1% Actinolite/ Tremolite	SP12
34b	POINT COUNT RESULT	Trace <25% Actinolite/ Tremolite	SP12
35a	1 st floor – dining room – ceiling east side – plaster skim coat #2	Negative	SP12
35b	1 st floor – dining room – ceiling east side – plaster base coat #2	Trace <1% Actinolite/ Tremolite	SP12

Sample #	Location and Description	Results	Homogeneous Code
35b	POINT COUNT RESULT	Trace 0.25% Actinolite/ Tremolite	SP12
36	Basement – north west side – fuse holder	Negative	MFH
37	Basement – on west chimney – gray flue packing	Positive 20% Chrysotile	TFPy
38	Basement – on east chimney – north side – dark gray flue packing	Positive 15% Chrysotile	TFPydark
39	Basement – on east chimney – south side – light gray flue packing	Positive 20% Chrysotile	TFPyLight
40	Basement – on ceiling south of chimney – duct paper	Positive 65% Chrysotile	TDW

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Gray Flue Packing	TFPy	Basement On West Chimney	3 Sq. Ft.
Dark Gray Flue Packing	TFPydark	Basement On East Chimney North Side	2 Sq. Ft.
Light Gray Flue Packing	TFPyLight	Basement On East Chimney South Side	2 Sq. Ft.
Duct Paper	TDW	Basement – On Ceiling South of Chimney & on Returns	5 Sq. Ft.
Transite Siding	MTP	Exterior Walls	3,200 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 st	Kitchen/Pantry/Stair	Floor Tile & Mastic	460 Sq. Ft.
2 nd	Kitchen/Stair	Floor Tile & Mastic	420 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP1-2	Plaster #2
MTP	Transite
MPT	Tar Paper
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MDW2	Drywall # 2
MJC	Joint Compound Patch
MBI	Blown in Insulation
MWMI	Yellow Wall Mastic
MFH	Fuse Holder
MFLn	Brown Linoleum
MCLKc	Clear Caulk
MCLKw	White Caulk
MCTMr	Red Ceramic Tile
MCTMto	Tan & Orange Ceramic Tile
MCTMwb	White & Blue Ceramic Tile
MCTMe	Beige Ceramic Tile
TDW	Duct Paper

Homogeneous Material Codes

TFPy	Gray Flue Packing
TFPydark	Dark Gray Flue Packing
TFPylight	Light Gray Flue Packing

Note#1: The flue packings and duct paper are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The transite siding is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the transite is recommended.

Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: Category I – Non-Friable Asbestos Containing Materials (Gray transite panel) may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

Note#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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>3</u>	Fluorescent Lights – 1 st Floor Kitchen, Front Stair
<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 & 2 nd Floor Dining Rooms
<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 were PCBs may be found:

<u> N/A </u>	Transformers
<u> N/A </u>	Capacitors (appliances, electronic equipment)
<u> N/A </u>	Heat Transfer Equipment
<u> N/A </u>	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 on Exterior

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 15	NA	CaCO3
004	4	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
005	5	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
006	6	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
007	7	Homogeneous	Clear Caulk	Asbestos Not Present	NA	Silicone

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

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Layered	Brown Mastic	Asbestos Not Present	Cellulose 20	Glue
008a		Layered	White Skim Coat	Asbestos Not Present	Talc 8	Gypsum
008b		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
009	9	Layered	White Skim Coat	Asbestos Not Present	Cellulose 20 Talc 8	Gypsum Paint
009a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
010	10	Layered	White Skim Coat	Asbestos Not Present	Talc 8	Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11	Layered	White Skim Coat	Asbestos Not Present	Talc 8	CaCO3
011a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
013	13	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
013a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15	Layered	Red Brick	Asbestos Not Present	NA	Clay
015a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
015b		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
016	16	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
018	18	Layered	Red Brick	Asbestos Not Present	NA	Clay
018a		Layered	Gray Grout	Asbestos Not Present	NA	Sand CaCO3
018b		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
019	19	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	Gray Mortar	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
021	21	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
022a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
023	23	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Yellow Caulk	Asbestos Not Present	NA	Silicone
023b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
023c		Layered	White Texture	Asbestos Not Present	Cellulose	5 CaCO3 Gypsum Perlite
024	24	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
027	27	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
028	28	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
029	29	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
030	30	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
031	31	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint

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

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



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 266960	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/21/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
033	33	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
033a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Gypsum
034	34	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum
034a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	Cellulose <1	Sand Gypsum Mica
035	35	Layered	Tan Skim Coat	Asbestos Not Present	NA	Gypsum
035a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Sand Gypsum

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

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



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

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Date Analyzed: 07/27/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36	Homogeneous	Black Ceramic Tile	Asbestos Not Present	NA	Clay
037	37	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20	Cellulose	2 Gypsum Sand
038	38	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 15	NA	Sand Gypsum
039	39	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 20	NA	Sand Gypsum
040	40	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose	35

Cristal Veech

Cristal Veech, Analyst

7/28/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	<u>2140900</u>
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	Report Results (<input checked="" type="checkbox"/> one box) <input checked="" type="checkbox"/> QuanTEM Website <input type="checkbox"/> Other <u>email</u>
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.1547-49	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<u>Dean Jacobsen</u>	<u>7/20/16 1700</u>	<u>FedEx</u>	<u>[Signature]</u>	<u>7/21/16 10:00am</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>200910</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
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 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 checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>211910</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input type="checkbox"/>				
36	36	<input type="checkbox"/>				
37	37	<input type="checkbox"/>				
38	38	<input type="checkbox"/>				
39	39	<input type="checkbox"/>				
40	40	<input checked="" 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"/>				



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267369	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/29/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/29/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.1547-49 400 PTCT for 266960

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	34	Homogeneous	Tan Plaster	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
002	35	Homogeneous	Tan Plaster	Asbestos Present Chrysotile 0.25 400 Point Count	NA	

Cristal Veech

Cristal Veech, Analyst

7/29/2016

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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

		160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963	Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2417 North 26th 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.: 16-400-014.2417
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 2417 North 26th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, paper insulation, caulk, joint compound patch, linoleum, drywall/joint compound, window glazing compound, blown in insulation, duct paper, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 22, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2417 North 26th 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, asphalt shingle siding, paper insulation, caulk, joint compound patch, linoleum, drywall/joint compound, window glazing compound, blown in insulation, duct paper, asphalt roofing, floor tile and mastics . These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1a	Exterior – east wall under vinyl siding – asphalt shingle siding	Negative	MSS
1b	Exterior – east wall under asphalt shingle siding – fiberboard	Negative	MSS
2a	Exterior – south wall under vinyl siding – asphalt shingle siding	Negative	MSS
2b	Exterior – south wall under asphalt shingle siding – fiberboard	Negative	MSS
3a	Exterior – west wall under vinyl siding – asphalt shingle siding	Negative	MSS
3b	Exterior – west wall under asphalt shingle siding – fiberboard	Negative	MSS
4	Exterior – east wall – under wood siding – paper insulation	Negative	MPI
5	Exterior – south wall – under wood siding – paper insulation	Negative	MPI
6	Exterior – west wall – under wood siding – paper insulation	Negative	MPI
7	Exterior – around windows – white caulk	Negative	MCLKw
8b	1 st floor – front entry – south wall – joint compound layer	Negative	SPI
8c	1 st floor – front entry – south wall – plaster skim coat	Negative	SPI
8c	1 st floor – front entry – south wall – plaster base coat	Negative	SPI
9a	1 st floor – living room – north wall – plaster skim coat	Negative	SPI
9b	1 st floor – living room – north wall – plaster base coat	Negative	SPI
10b	2 nd floor – stair – ceiling – joint compound layer	Negative	SPI
10c	2 nd floor – stair – ceiling – plaster skim coat	Negative	SPI
10c	2 nd floor – stair – ceiling – plaster base coat	Negative	SPI
11a	2 nd floor – northeast bedroom – west wall – plaster skim coat	Negative	SPI
11b	2 nd floor – northeast bedroom – west wall – plaster base coat	Negative	SPI
12a	2 nd floor – northwest bedroom – east wall – plaster skim coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
12b	2 nd floor – northwest bedroom – east wall – plaster base coat	Negative	SPI
13	1 st floor – foyer – on ceiling – texture	Negative	STX
14	1 st floor – living room – on ceiling – texture	Negative	STX
15	1 st floor – dining room – on ceiling – texture	Negative	STX
16	1 st floor – living room – on north wall – joint compound patch	Negative	MJC
17	1 st floor – foyer – on north wall – joint compound patch	Negative	MJC
18a	1 st floor – dining room – on south wall – joint compound patch	Negative	MJC
18b	1 st floor – dining room – on south wall – joint compound patch layer	Negative	MJC
19	1st floor – kitchen – under 2 layers floor tile – tan and brown linoleum	Positive 20% Chrysotile	MFLtn
20a	1 st floor – kitchen – under plywood – tan linoleum	Negative	MFLt
20b	1 st floor – kitchen – under tan linoleum – brown mastic	Negative	MFLt
21a	1 st floor – kitchen – south wall – joint compound	Negative	MDW
21b	1 st floor – kitchen – south wall – drywall	Negative	MDW
22a	1 st floor – kitchen – east wall – joint compound	Negative	MDW
22b	1 st floor – kitchen – east wall – drywall	Negative	MDW
23a	2 nd floor – bathroom – south wall – joint compound	Negative	MDW
23b	2 nd floor – bathroom – south wall – drywall	Negative	MDW
24a	2 nd floor – bathroom – on wall under tub surround – yellow mastic	Negative	MWMI
24b	2 nd floor – bathroom – on wall under tub surround – joint compound	Negative	MWMI
25	2 nd floor – bathroom – on west window – glazing compound	Negative	MPG
26a	1 st floor – foyer – on east window – mastic	Negative	MPG
26b	1 st floor – foyer – on east window – glazing compound	Negative	MPG
27	Basement – on east window – glazing compound	Negative	MPG
28	Attic – south side under floor – blown in insulation	Negative	MBI
29	Attic – east side under floor – blown in insulation	Negative	MBI
30	Attic – west side under floor – blown in insulation	Negative	MBI
31	Basement – stair – beige linoleum	Negative	MFLe
32	Basement – on east return – duct paper	Positive 70% Chrysotile	TDW
33	Basement – on north wall – plaster #2	Negative	SPI2
34	Basement – on east wall – plaster #2	Negative	SPI2
35	Basement – on south wall – plaster #2	Negative	SPI2

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Tan & Brown Linoleum	MFLtn	Kitchen Under 2 Layers Floor Tile	155 Sq. Ft.
Duct Paper	TDW	Basement on Returns, West & Center Boots	10 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
1 st	Front Entry/Foyer/Kitchen	Floor Tile & Mastic	450 Sq. Ft.
2 nd	Hall/Bedroom/Bathroom	Floor Tile & Mastic	290 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
STX	Texture
MSS	Asphalt Shingle Siding
MPI	Paper Insulation
MCLKw	White Caulk
MJC	Joint Compound Patch
MFLtn	Tan & Brown Linoleum
MFLt	Tan Linoleum
MFLe	Beige Linoleum
MDW	Drywall/Joint Compound
MWMI	Yellow Wall Mastic
MPG	Window Glazing Compound
MBI	Blown In Insulation
TDW	Duct Wrap

Note#1: The duct paper and tan and brown linoleum are friable materials and must be abated prior to demolition.

Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those

materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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 – Dining Room
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 1 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 were PCBs may be found:

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

OTHER ENVIRONMENTAL ISSUES

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

- * 1 Water Meter in Living Room
- * 1 Gallon Antifreeze in Kitchen
- * 2 Gallons Paint in Basement

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267052	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
001a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
002a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Layered	Tan Shingle	Asbestos Not Present	Cellulose 20	Tar Quartz
003a		Layered	Brown Insulation	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005	5	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
008	8	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Sand Gypsum
008b		Layered	Gray Plaster	Asbestos Not Present	Cellulose Hair 2	Sand Gypsum 2

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267052	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9	Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Sand Gypsum
009a		Layered	Gray Plaster	Asbestos Not Present	Cellulose Hair	2 Sand 2 Gypsum
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	Light Gray Skim Coat	Asbestos Not Present	NA	Sand Gypsum
010b		Layered	Gray Plaster	Asbestos Not Present	Cellulose Hair	2 Sand 2 Gypsum
011	11	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
011a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum

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Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
012a		Layered	Gray Plaster	Asbestos Not Present	Hair 5	Sand Gypsum
013	13	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014	14	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
016	16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	18	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Paint
018a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Paint
019	19	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 20	NA	Vinyl Binder
020	20	Layered	Brown Linoleum	Asbestos Not Present	Synthetic 40	Vinyl Tar
020a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
021	21	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Paint

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
022	22	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Paint
022a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
023	23	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum Paint
023a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
024	2	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3

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Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
026	26	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
026a		Layered	White Window Glazing	Asbestos Not Present	NA	CaCO3
027	27	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
028	28	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
029	29	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
031	31	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 20 Synthetic 5	Vinyl CaCO3
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
032	32	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder
033	33	Homogeneous	Gray Mortar	Asbestos Not Present	Cellulose 3	Sand CaCO3
034	34	Homogeneous	Gray Mortar	Asbestos Not Present	Cellulose 3	Sand CaCO3

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

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2417

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Homogeneous	Gray Mortar	Asbestos Not Present	Cellulose 3	Sand CaCO3

Carter Cox

Carter W. Cox, Analyst

7/28/2016

Date of Report

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

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



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267052</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS		<input checked="" type="checkbox"/> QuanTEM Website	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI		<input type="checkbox"/> Other email _____	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2417			
SAMPLED BY: _____	Name: _____	Date: _____	P.O. Number: _____		

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	7/21/16 1700	FedEx	<i>[Signature]</i>	7/22/16 10:15

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>267052</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
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 type="checkbox"/>				
26	26	<input type="checkbox"/>				
27	27	<input type="checkbox"/>				
28	28	<input type="checkbox"/>				
29	29	<input checked="" type="checkbox"/>				
30	30	<input checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>269052</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32	32	<input type="checkbox"/>				
33	33	<input type="checkbox"/>				
34	34	<input type="checkbox"/>				
35	35	<input checked="" 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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

		160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963	Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**Fire Damaged
One Family Dwelling
2524 North 27th 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.: 16-400-014.2524
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

August 2016

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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 suspect asbestos containing materials in the dwelling at 2524 North 27th Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, asphalt shingle siding, paper insulation, blown in insulation, caulk, window glazing compound, tar paper, drywall/joint compound, linoleum, ceiling tile, flue packing, duct paper, fiberboard, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 22, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2524 North 27th 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled except where on concrete.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over the polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

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

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – at west door – yellow caulk	Negative	MCLKI
2	Exterior – at south window – yellow caulk	Negative	MCLKI
3	Exterior – at east window – yellow caulk	Negative	MCLKI
4	Exterior – west wall – under silver paper insulation – brown asphalt shingle siding	Negative	MSSn
5	Exterior – south wall – under silver paper insulation – brown asphalt shingle siding	Negative	MSSn
6	Exterior – east wall – under silver paper insulation – brown asphalt shingle siding	Negative	MSSn
7	Exterior – west wall – under wood siding – pink paper insulation	Negative	MPIp
8	Exterior – south wall – under wood siding – pink paper insulation	Negative	MPIp
9	Exterior – east wall – under wood siding – pink paper insulation	Negative	MPIp
10	Exterior – south wall – under aluminum siding – silver paper insulation	Negative	MPIs
11	Exterior – south wall – under aluminum siding – silver paper insulation	Negative	MPIs
12	Exterior – east wall – under aluminum siding – silver paper insulation	Negative	MPIs
13a	1st floor – west porch – east window – window glazing compound	Positive 3% Chrysotile	MPG
13b	POINT COUNT RESULT	Positive 2.25% Chrysotile	MPG
14	2 nd floor – east porch – east window – window glazing compound	Negative	MPG
15	Attic – east room – north window – window glazing compound	Negative	MPG
16a	1 st floor – front entry – south wall – joint compound layer	Negative	SP1
16b	1 st floor – front entry – south wall – plaster skim coat	Negative	SP1

Sample #	Location and Description	Results	Homogeneous Code
16c	1 st floor – front entry – south wall – plaster base coat	Negative	SP1
17a	1 st floor – dining room – east wall – plaster skim coat	Negative	SP1
17b	1 st floor – dining room – east wall – plaster base coat	Negative	SP1
18a	1 st floor – pantry – west wall – plaster skim coat	Negative	SP1
18b	1 st floor – pantry – west wall – plaster base coat	Negative	SP1
19a	2 nd floor – south west bed room – north wall – plaster skim coat	Negative	SP1
19b	2 nd floor – south west bed room – north wall – plaster base coat	Negative	SP1
20a	2 nd floor – bath room – north wall – plaster skim coat	Negative	SP1
20b	2 nd floor – bath room – north wall – plaster base coat	Negative	SP1
21	1 st floor – foyer – on ceiling – texture	Negative	STX
22	2 nd floor – stair well – on ceiling – texture	Negative	STX
23	2 nd floor – northwest bed room – on ceiling – texture	Negative	STX
24	1 st floor – foyer – south wall under wood panel – yellow mastic	Negative	MWMI
25a	1 st floor – kitchen – under plywood – gray paper insulation	Negative	MPIy
25b	1 st floor – kitchen – under gray paper insulation – brown mastic	Negative	MPIy
26	1 st floor – kitchen – 7 th layer – tar paper	Negative	MPT
27a	1 st floor – kitchen – north wall – texture #2	Negative	STX-2
27b	1 st floor – kitchen – north wall – texture #2 layer 2	Negative	STX-2
28a	1 st floor – kitchen – south wall – texture #2	Negative	STX-2
28b	1 st floor – kitchen – south wall – texture #2 layer 2	Negative	STX-2
29a	1 st floor – kitchen – ceiling – texture #2	Negative	STX-2
29b	1 st floor – kitchen – ceiling – texture #2 layer 2	Negative	STX-2
30a	1 st floor – kitchen – under plastic wall tile – beige wall mastic	Negative	MWMe
30b	1 st floor – kitchen – under beige wall mastic – white plaster	Negative	MWMe
31a	1 st floor – pantry – 3 rd layer – tan & brown linoleum	Negative	MFLtn
31b	1 st floor – pantry – 3 rd layer – under tan & brown linoleum – yellow mastic	Negative	MFLtn
32	1 st floor – pantry – 4 th layer – tan linoleum	Negative	MFLt
33	2 nd floor – stair – in east wall – tan blown in insulation	Negative	MBI
34	Attic – stair – under step – tan blown in insulation	Negative	MBI
35	Attic – east side under floor – blown in insulation	Negative	MBI
36	2 nd floor – hall – under 2 layers floor tile – beige and brown linoleum	Negative	MFLen
37	2 nd floor – southwest bed room – under floor tile – beige and brown linoleum	Negative	MFLen
38	2 nd floor – north west bed room – under floor tile – beige and brown linoleum	Negative	MFLen
39	2 nd floor – southwest bed room – 2' x 4' pinholed and grooved ceiling tile	Negative	MSCT24PG
40	2 nd floor – northwest bed room – on east wall duct – duct paper	Positive 70% Chrysotile	TDW
41	1 st floor – foyer – on north wall duct – duct paper	Positive 70% Chrysotile	TDW
42	Basement – on duct near stair – duct paper	Positive 70% Chrysotile	TDW

Sample #	Location and Description	Results	Homogeneous Code
43	2 nd floor – northwest bed room – 2' x 4' textured ceiling tile	Negative	MSCT24T
44	2 nd floor – northeast bed room – west side – 2' x 4' textured ceiling tile	Negative	MSCT24T
45	2 nd floor – northeast bed room – east side – 2' x 4' textured ceiling tile	Negative	MSCT24T
46	2 nd floor – east porch – west wall – fiber board	Negative	MFB
47	2 nd floor – east porch – north wall – fiber board	Negative	MFB
48	2 nd floor – east porch – south wall – fiber board	Negative	MFB
49a	2 nd floor – east porch – ceiling – joint compound	Negative	MDW
49b	2 nd floor – east porch – ceiling – drywall	Negative	MDW
50	2 nd floor – bathroom – bottom layer – tar paper # 2	Negative	MPT2
51a	2 nd floor – bathroom – on wall under plastic tile – joint compound	Negative	MWMt
51b	2 nd floor – bathroom – on wall under joint compound – tan mastic	Negative	MWMt
52	2 nd floor – southwest bed room – ceiling east side – texture #3	Negative	STX3
53a	2 nd floor – southwest bed room – ceiling south side – texture #3	Negative	STX3
53b	2 nd floor – southwest bed room – ceiling east side – texture #3 layer 2	Negative	STX3
54	2 nd floor – southwest bed room – ceiling west – texture #3	Negative	STX3
55	Attic – exterior – around windows – gray caulk	Positive 8% Chrysotile	MCLKy
56	Attic – on exterior walls – green asphalt shingle siding	Negative	MSSg
57a	Basement – near stairwell – 9" gray floor tile	Positive 8% Chrysotile	MF9y
57b	Basement – near stair well – under 9" gray floor tile – black mastic	Trace <1% Chrysotile	MF9y
57b	POINT COUNT RESULT	Trace 0.5% Chrysotile	MF9y
58a	Basement – on chimney – flue packing bottom layer	Negative	TFP
58b	Basement – on chimney – flue packing top layer	Negative	TFP
59	Basement – bathroom – 12" white & gray floor tile	Negative	MF12wy
60a	Basement – northwest area – ceiling – joint compound #2	Negative	MDW2
60b	Basement – northwest – ceiling – drywall	Negative	MDW2
61	Basement – southwest wall – plaster patch	Negative	SP1P

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Window Glazing Compound	MPG	Windows on All Floors	30 Windows
Duct Paper	TDW	1 st Floor – Foyer & Living Room 2 nd Floor – Northwest Bedroom Basement Ducts North Side & Near Stair	80 Sq. Ft.
Gray Caulk	MCLKy	Exterior Around 1 st & 2 nd Floor Windows on Asphalt Siding	22 Windows
9" Gray Floor Tile	MF9y	Basement Near Stairs & Northwest Corner on Concrete	120 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 st	Pantry/Kitchen/Stair	Floor Tile & Mastic	420 Sq. Ft.
2 nd	Bathroom/Hall/Bedrooms/Porch	Floor Tile & Mastic	750 Sq. Ft.
Attic	Southwest	Floor Tile & Mastic	80 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
SPIP	Plaster Patch
STX	Texture
STX2	Texture #2
STX3	Texture #3
MCLKI	Yellow Caulk
MCLKy	Gray Caulk
MSSn	Brown Asphalt Shingle Siding
MSSg	Green Asphalt Shingle Siding
MPIp	Pink Paper Insulation
MPIs	Silver Paper Insulation
MPIy	Gray Paper Insulation
MPG	Glazing Compound
MWMI	Yellow Wall Mastic
MWMt	Tan Wall Mastic
MWMe	Beige Wall Mastic
MPT	Tar Paper
MPT2	Tar Paper #2
MFLtn	Tan & Brown Linoleum
MFLt	Tan Linoleum
MFLen	Beige & Brown Linoleum
MBI	Blown in Insulation
MSCT24PG	2' x 4' Pinholed & Grooved Ceiling Tile
MSCT24T	2' x 4' Texture Ceiling Tile
MFB	Fiberboard
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MF9y	9" Gray Floor Tile
MF12wy	12" White & Gray Floor Tile
TFP	Flue Packing
TDW	Duct Paper

Note#1: The duct paper is a friable material and must be abated by a Wisconsin certified asbestos company prior to demolition.

The gray caulk and window glazing compound are category II non-friable materials and it is likely that these materials will become crumbled, pulverized or reduced to powder during demolition. Abatement of the caulk and glazing compound is recommended.

The 9" gray floor tile in the basement is a category I non friable material. It must be abated prior to demolition if the underlying concrete will be recycled or buried on site.

Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

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

<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>	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

* 6 Gallons Paint in 1st Floor Foyer

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Cream Caulk	Asbestos Not Present	NA	CaCO3
002	2	Homogeneous	Cream Caulk	Asbestos Not Present	NA	CaCO3
003	3	Homogeneous	Cream Caulk	Asbestos Not Present	NA	CaCO3
004	4	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand
005	5	Homogeneous	White/Brown Shingle	Asbestos Not Present	Cellulose 45	Tar Sand
006	6	Homogeneous	Gray Shingle	Asbestos Not Present	Cellulose 45	Tar Sand
007	7	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	White Insulation	Asbestos Not Present	Cellulose 95	Foil
011	11	Homogeneous	White Insulation	Asbestos Not Present	Cellulose 95	Foil
012	12	Homogeneous	White Insulation	Asbestos Not Present	Cellulose 95	Foil
013	13	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
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Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	Gray Window Glazing	Asbestos Not Present	NA	CaCO3
016	16	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
016a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
016b		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
017a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
019a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
020	20	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
020a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue
025	25	Layered	Green Flooring	Asbestos Not Present	Cellulose 50 Synthetic 50	
025a		Layered	Brown Mastic	Asbestos Not Present	Cellulose 10	Glue
026	26	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 40	Tar CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27	Layered	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
027a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28	Layered	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
028a		Layered	White Texture	Asbestos Not Present	NA	CaCO3
029	29	Layered	White Texture	Asbestos Not Present	Cellulose 5	CaCO3 Paint
029a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030	30	Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3
030a		Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
031	31	Layered	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
031a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
032	32	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
033	33	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
034	34	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	

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

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2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
036	36	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 15 Talc 10	Vinyl Talc
037	37	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 15 Talc 10	Vinyl Talc
038	38	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 15 Synthetic 15 Talc 10	Vinyl Talc
039	39	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
040	40	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 30	

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041	41	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 30	
042	42	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 30	
043	43	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
044	44	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
045	45	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 30	Perlite Paint
046	46	Homogeneous	Blue Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
047	47	Homogeneous	Green Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
048	48	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
049	49	Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite CaCO3
049a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
050	50	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
051	51	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
051a		Layered	Tan Mastic	Asbestos Not Present	NA	CaCO3 Binder

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
052	52	Homogeneous	White Texture	Asbestos Not Present	Talc 8	CaCO3 Talc Paint
053	53	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
053a		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
054	54	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
055	55	Homogeneous	Gray Caulk	Asbestos Present Chrysotile 8	NA	CaCO3
056	56	Homogeneous	Green Shingle	Asbestos Not Present	Cellulose 30	Tar Sand

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
057	57	Layered	Green Floor Tile	Asbestos Present Chrysotile 8	NA	Vinyl CaCO3
057a		Layered	Black Mastic	Asbestos Present Chrysotile <1	NA	Tar
058	58	Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
058a		Layered	Gray Plaster	Asbestos Not Present	Wollastonite 45	CaCO3
059	59	Homogeneous	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
060	60	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
060a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	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. 267054	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
061	61	Homogeneous	Brown Cement	Asbestos Not Present	NA	Sand CaCO3

Cristal Veech

Cristal Veech, Analyst

7/28/2016

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267054</u>	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	<input checked="" type="checkbox"/> QuanTEM Website		<input type="checkbox"/> Other <u>email</u>
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI			
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2524			
SAMPLED BY: Name:	Date:	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	<u>7/21/16 1700</u>	<u>FedEx</u>		<u>7/22/16 10:15</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only	
Lab No. <u>267054</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
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 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 checked="" type="checkbox"/>				



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For Lab Use Only	
Lab No. <u>267054</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

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



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For Lab Use Only	
Lab No. <u>267054</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
<u>5</u> _1	<u>51</u>	<input checked="" type="checkbox"/>				
<u>5</u> _2	<u>52</u>	<input type="checkbox"/>				
<u>5</u> _3	<u>53</u>	<input type="checkbox"/>				
<u>5</u> _4	<u>54</u>	<input type="checkbox"/>				
<u>5</u> _5	<u>55</u>	<input type="checkbox"/>				
<u>5</u> _6	<u>56</u>	<input type="checkbox"/>				
<u>5</u> _7	<u>57</u>	<input type="checkbox"/>				
<u>5</u> _8	<u>58</u>	<input type="checkbox"/>				
<u>5</u> _9	<u>59</u>	<input type="checkbox"/>				
<u>6</u> _0	<u>60</u>	<input type="checkbox"/>				
<u>6</u> _1	<u>61</u>	<input checked="" type="checkbox"/>				
<u>_</u> 2		<input type="checkbox"/>				
<u>_</u> 3		<input type="checkbox"/>				
<u>_</u> 4		<input type="checkbox"/>				
<u>_</u> 5		<input type="checkbox"/>				
<u>_</u> 6		<input type="checkbox"/>				
<u>_</u> 7		<input type="checkbox"/>				
<u>_</u> 8		<input type="checkbox"/>				
<u>_</u> 9		<input type="checkbox"/>				
<u>_</u> 0		<input type="checkbox"/>				



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267370	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/29/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 07/29/2016	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI REVISED 8/8/2016
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2524 400 PTCT for 267054

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	13	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2.25 400 Point Count	NA	
002	57	Homogeneous	Black Mastic	Asbestos Present Chrysotile 0.50 400 Point Count	NA	

REVISED 8/8/2016

Cristal Veech, Analyst

8/8/2016

Date of Report

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IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

**1237 W BRUCE ST
MILWAUKEE WI 53204-1218**

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
2913 North 27th 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.: 16-400-014.2913
Contract No.: 360-16-0745**

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
1237 West Bruce Street
Milwaukee, Wisconsin 53204

July 2016

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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 suspect asbestos containing materials in the dwelling at 2913 North 27th Street, Milwaukee, Wisconsin.

The inspection included plaster, stucco, texture, asphalt shingle siding, paper insulation, caulk, ceramic tile, linoleum, window glazing compound, drywall/joint compound, joint compound patch, duct paper, flue packing, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 22, 2016, HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2913 North 27th 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 asbestos containing materials within the building.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, stucco, texture, asphalt shingle siding, paper insulation, caulk, ceramic tile, linoleum, window glazing compound, drywall/joint compound, joint compound patch, duct paper, flue packing, asphalt roofing, floor tile and mastics . These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – east wall under vinyl siding – gray asphalt shingle siding	Negative	MSSy
2	Exterior – south wall under vinyl siding – gray asphalt shingle siding	Negative	MSSy
3	Exterior – west wall under vinyl siding – gray asphalt shingle siding	Negative	MSSy
4	Exterior – in east wall – blown in insulation	Negative	MBI
5	Exterior – in west wall – blown in insulation	Negative	MBI
6	1 st floor – kitchen – in east wall – blown in insulation	Negative	MBI
7	Exterior – east wall – under wood siding – paper insulation	Negative	MPI
8	Exterior – south wall – under wood siding – paper insulation	Negative	MPI
9	Exterior – west wall – under wood siding – paper insulation	Negative	MPI
10	Basement – on exterior south wall – stucco	Negative	STC
11	Exterior – around south window – gray caulk	Negative	MCLKy
12	Exterior – around north window – gray caulk	Negative	MCLKy
13	Exterior – around west window – gray caulk	Negative	MCLKy
14a	1 st floor – front entry – south wall – plaster skim coat	Negative	SPI
14b	1 st floor – front entry – south wall – plaster base coat	Negative	SPI
15a	1 st floor – living room – north wall – plaster skim coat	Negative	SPI
15b	1 st floor – living room – north wall – plaster base coat	Negative	SPI
16a	1 st floor – pantry – west wall – plaster skim coat	Negative	SPI
16b	1 st floor – pantry – west wall – plaster base coat	Negative	SPI
17a	2 nd floor – bathroom – south wall – plaster skim coat	Negative	SPI
17b	2 nd floor – bathroom – south wall – plaster base coat	Negative	SPI
18a	2 nd floor – west bedroom – east wall – plaster skim coat	Negative	SPI
18b	2 nd floor – west bedroom – east wall – plaster base coat	Negative	SPI
19	1 st floor – foyer – on north wall – texture	Negative	STX
20	1 st floor – living room – on ceiling – texture	Negative	STX
21	1 st floor – bedroom – on ceiling – texture	Negative	STX

Sample #	Location and Description	Results	Homogeneous Code
22	2 nd floor – hall – on north wall – texture	Negative	STX
23	2 nd floor – west bedroom – on east wall – texture	Negative	STX
24a	1 st floor – foyer – at fireplace – brown and green ceramic tile	Negative	MCTMng
24b	1 st floor – foyer – at fireplace – under brown and green ceramic tile – mortar	Negative	MCTMng
25a	1 st floor – bathroom – tan and brown linoleum	Negative	MFLtn
25b	1 st floor – bathroom – under tan and brown linoleum – yellow mastic	Negative	MFLtn
26	1 st floor – kitchen – under plywood – tan linoleum	Negative	MFLt
27	1 st floor – pantry – on counter – brown linoleum	Negative	MFLn
28	1 st floor – pantry – under plywood – gray linoleum	Negative	MFLy
29	1 st floor – bedroom – on south window – glazing compound	Negative	MPG
30	2 nd floor – west bedroom – on west window – glazing compound	Negative	MPG
31	Basement – on north window – glazing compound	Negative	MPG
32	1 st floor – bedroom – east wall – drywall	Negative	MDW
33a	2 nd floor – hall – south wall – joint compound	Negative	MDW
33b	2 nd floor – hall – south wall – drywall	Negative	MDW
34	2 nd floor – east bedroom – east wall – drywall	Negative	MDW
35a	2 nd floor – bathroom – tan and gray linoleum	Negative	MFLty
35b	2 nd floor – bathroom – under tan and gray linoleum – brown mastic	Negative	MFLty
36a	2 nd floor – bathroom – on wall at tub – white ceramic tile	Negative	MCTMw
36b	2 nd floor – bathroom – on wall at tub – grout	Negative	MCTMw
36c	2 nd floor – bathroom – on wall at tub – under white ceramic tile – tan mastic	Negative	MCTMw
36d	2 nd floor – bathroom – on wall at tub – joint compound	Negative	MCTMw
37	Attic – stair – on east wall – joint compound patch	Negative	MJC
38	Attic – east room – east wall – drywall #2	Negative	MDW2
39	Attic – east room – south wall – drywall #2	Negative	MDW2
40	Attic – east room – north wall – drywall #2	Negative	MDW2
41	Attic – on exterior wall – green asphalt shingle siding	Negative	MSSg
42	Attic – exterior – around windows – black caulk	Positive 20% Chrysotile	MCLKk
43	Basement – on chimney – flue packing	Positive 5% Chrysotile	TFP
44	Basement – on west boot – duct paper	Positive 60% Chrysotile	TDW
45	Basement – on furnace duct – gray caulk #2	Negative	MCLKy2

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Black Caulk	MCLKk	Exterior Around 1 st & 2 nd Floor Windows & Doors on Asphalt Siding	21 Windows & 3 Doors
Flue packing	TFP	Basement on Chimney	2 Sq. Ft.
Duct Paper	TDW	Basement on Boots	4 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	700 Sq. Ft.
1 st	Front Entry/Kitchen/Stair	Floor Tile & Mastic	300 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
STC	Stucco
MSSy	Gray Asphalt Shingle Siding
MSSg	Green Asphalt Shingle Siding
MBI	Blown In Insulation
MPI	Paper Insulation
MCLKy	Gray Caulk
MCLKy2	Gray Caulk #2
MCLKk	Black Caulk
MCTMng	Brown & Green Ceramic Tile
MCTMw	White Ceramic Tile
MFLtn	Tan & Brown Linoleum
MFLt	Tan Linoleum
MFLn	Brown Linoleum
MFLy	Gray Linoleum
MFLty	Tan & Gray Linoleum
MPG	Window Glazing Compound
MDW	Drywall/Joint Compound
MDW2	Drywall #2
MJC	Joint Compound Patch
TDW	Duct Wrap
TFP	Flue Packing

Note#1: The duct paper and flue packing are friable materials and must be abated prior to demolition.

The black caulk is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the caulk is recommended.

Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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>5</u>	Fluorescent Lights – 1 st Floor Bedroom, 2 nd Floor Bathroom & Bedrooms
<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 – Foyer
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

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

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

ELECTRICAL SYSTEMS – 1 Breaker Box in Basement

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

PCBs

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

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267049	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/22/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2913

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Multi-Color Siding	Asbestos Not Present	Cellulose 60	Tar Sand
002	2	Homogeneous	Multi-Color Siding	Asbestos Not Present	Cellulose 60	Tar Sand
003	3	Homogeneous	Multi-Color Siding	Asbestos Not Present	Cellulose 60	Tar Sand
004	4	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
005	5	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
006	6	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 100	
007	7	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	

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

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Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2913

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
009	9	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose 100	
010	10	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
011	11	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
012	12	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
013	13	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder

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Date Analyzed: 07/28/2016	Project: DNS
Analyzed By: Dee Ammerman	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2913

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
014a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
015	15	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
015a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
016	16	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
016a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
017a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
018a		Layered	Gray Plaster	Asbestos Not Present	Hair	2 CaCO3 Sand Gypsum
019	19	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020	20	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021	21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Sand
024a		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand
025	25	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	CaCO3 Vinyl
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2913

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 20	CaCO3 Vinyl
027	27	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 35	CaCO3 Vinyl Tar
028	28	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	CaCO3 Vinyl
029	29	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
030	30	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
031	31	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3 Binder
032	32	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15 Glass Fiber 5	Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.2913

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	33	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
033a		Layered	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	15 5 Gypsum
034	34	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	15 5 Gypsum
035	35	Layered	White Sheet Vinyl	Asbestos Not Present	Cellulose	20 CaCO3 Vinyl
035a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
036	36	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Sand

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
036b		Layered	White Mortar	Asbestos Not Present	NA	CaCO3
036c		Layered	Tan Adhesive	Asbestos Not Present	NA	CaCO3 Binder
036d		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
037	37	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
038	38	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
039	39	Homogeneous	White Wallboard	Asbestos Not Present	Cellulose 25	Gypsum

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	40	Homogeneous	White Wallboard	Asbestos Not Present	Cellulose 25	Gypsum
041	41	Homogeneous	Multi-Color Shingle	Asbestos Not Present	Cellulose 40	Tar Sand
042	42	Homogeneous	Black Tar	Asbestos Present Chrysotile 20	NA	Tar
043	43	Homogeneous	Gray Plaster	Asbestos Present Chrysotile 5	NA	CaCO3 Sand
044	44	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
045	45	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder

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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

For Lab Use Only	
Lab No. <u>267049</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information		Report Results (<input checked="" type="checkbox"/> one box)	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS		<input checked="" type="checkbox"/> Quantem Website	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI		<input type="checkbox"/> Other <u>email</u>	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.2913			
SAMPLED BY: Name: _____	Date: _____	P.O. Number:			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>7/21/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	<u>7/22/16 10:15</u>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>267049</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Information						
Company: Harenda Management Group		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
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 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 checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No. <u>267049</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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

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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT
Job Site:

Fire Damaged
Two Family Dwelling
3229 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.: 16-400-014.3229
Contract No.: 360-16-0745

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

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 3229 North 34th Street, Milwaukee, Wisconsin.

The inspection included plaster, transite siding, paper insulation, drywall/joint compound, blown in insulation, window glazing compound, linoleum, fiberboard, ceramic tile, flue packing, duct paper, caulk, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 26, 2016, HMG conducted an asbestos inspection of a two family dwelling and garage, scheduled for deconstruction, located at 3229 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 asbestos containing materials within the buildings.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. Bold values below indicate that the material contains more than 1% asbestos. 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, transite siding, paper insulation, drywall/joint compound, blown in insulation, window glazing compound, linoleum, fiberboard, ceramic tile, flue packing, duct paper, caulk, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – east wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
2	Exterior – south wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
3	Exterior – west wall under vinyl siding – transite siding	Positive 20% Chrysotile	MTP
4	Exterior – east wall under transite siding – silver paper insulation	Negative	MPIs
5	Exterior – south wall under transite siding – silver paper insulation	Negative	MPIs
6	Exterior – west wall under transite siding – silver paper insulation	Negative	MPIs
7a	1 st floor – front entry – south wall – plaster skim coat	Negative	SP1
7b	1 st floor – front entry – south wall – plaster base coat	Negative	SP1
8a	1st floor – southeast bedroom closet – north wall - plaster skim coat	Negative	SP1
8b	1st floor – southeast bedroom closet – north wall - plaster base coat	Negative	SP1
9a	1 st floor – north bedroom – ceiling – joint compound layer	Negative	SP1
9b	1 st floor – north bedroom – ceiling – plaster	Negative	SP1
10a	2 nd floor – bathroom – ceiling – plaster skim coat	Negative	SP1
10b	2 nd floor – bathroom – ceiling – plaster base coat	Negative	SP1
11a	2 nd floor – pantry – east wall – joint compound layer	Negative	SP1
11b	2 nd floor – pantry – east wall – plaster skim coat	Negative	SP1
11c	2 nd floor – pantry – east wall – plaster base coat	Negative	SP1
12a	1 st floor – living room – north wall – joint compound	Negative	MDW
12b	1 st floor – living room – north wall – drywall	Negative	MDW
13a	1 st floor – north bedroom – south wall – joint compound	Negative	MDW
13b	1 st floor – north bedroom – south wall – drywall	Negative	MDW
14a	2 nd floor – bathroom – east wall – joint compound	Negative	MDW
14b	2 nd floor – bathroom – east wall – drywall	Negative	MDW
15	1 st floor – living room – in north wall – blown in insulation	Negative	MBI
16	2 nd floor – kitchen – on floor – blown in insulation	Negative	MBI
17	2 nd floor – living room – in south wall – blown in insulation	Negative	MBI

Sample #	Location and Description	Results	Homogeneous Code
18	1 st floor – living room – on duct in south wall – duct wrap	Positive 60% Chrysotile	TDW
19	1 st floor – north bedroom closet – on duct in west wall – duct wrap	Positive 60% Chrysotile	TDW
20	Basement – on west return – duct wrap	Positive 60% Chrysotile	TDW
21	1 st floor – living room – on east window – window glazing compound	Negative	MPG
22	2 nd floor – kitchen – on west window – window glazing compound	Negative	MPG
23	Basement – on east window – window glazing compound	Negative	MPG
24a	1 st floor – kitchen – under floor tile and plywood – tan and beige linoleum	Negative	MFLte
24b	1 st floor – kitchen – under tan and beige linoleum – yellow mastic	Negative	MFLte
25a	1 st floor – kitchen – on north wall – beige ceramic tile	Negative	MCTMe
25b	1 st floor – kitchen – on north wall – grout	Negative	MCTMe
25c	1 st floor – kitchen – on north wall – under beige ceramic tile – mortar	Negative	MCTMe
25d	1 st floor – kitchen – on north wall – under mortar – joint compound	Negative	MCTMe
26a	1 st floor – bathroom – under floor tile – cream ceramic tile	Negative	MCTMc
26b	1 st floor – bathroom – under floor tile – grout	Negative	MCTMc
26c	1 st floor – bathroom – under cream ceramic tile – mortar	Negative	MCTMc
27a	1 st floor – bathroom – on walls – white ceramic tile	Negative	MCTMw
27b	1 st floor – bathroom – on walls – grout	Negative	MCTMw
28	1 st floor – bathroom – on tub – white caulk	Negative	MCLKw
29a	1 st floor – rear stair – on landing under carpet – linoleum backing	Negative	MFLback
29b	1 st floor – rear stair – on landing under linoleum backing – white mastic	Negative	MFLback
29c	1 st floor – rear stair – on landing 3 rd layer – cream linoleum	Negative	MFLc
29d	1 st floor – rear stair – on landing 3 rd layer – under cream linoleum – yellow mastic	Negative	MFLc
30a	2 nd floor – kitchen floor – top layer – tan ceramic tile	Negative	MCTMt
30b	2 nd floor – kitchen floor – top layer – grout	Negative	MCTMt
30c	2 nd floor – kitchen floor – top layer – under tan ceramic tile – yellow mastic	Negative	MCTMt
31	2 nd floor – kitchen – under ceramic tile – fiberboard	Negative	MFB
32a	2 nd floor – kitchen closet – under floor tile – beige linoleum	Negative	MFLe
32b	2 nd floor – kitchen closet – under beige linoleum – yellow mastic	Negative	MFLe
33a	2 nd floor – kitchen – on north wall – beige ceramic tile #2	Negative	MCTMe2
33b	2 nd floor – kitchen – on north wall – caulk	Negative	MCTMe2
33c	2 nd floor – kitchen – on north wall – grout	Negative	MCTMe2
34a	2 nd floor – bathroom floor – cream ceramic tile #2	Negative	MCTMc2
34b	2 nd floor – bathroom floor – grout	Negative	MCTMc2
35a	2 nd floor – bath room – on walls – white ceramic tile #2	Negative	MCTMw2
35b	2 nd floor – bath room – on walls – grout	Negative	MCTMw2
35c	2 nd floor – bath room – on walls – under white ceramic tile #2 – mortar	Negative	MCTMw2
36a	2 nd floor – pantry – under floor tile – gray and tan linoleum	Negative	MFLyt

Sample #	Location and Description	Results	Homogeneous Code
36b	2 nd floor – pantry – under gray and tan linoleum – yellow mastic	Negative	MFLyt
37	2 nd floor – northwest bed room – under carpet – brown mastic	Negative	MCM
38	2 nd floor – northeast bed room – under carpet – brown mastic	Negative	MCM
39	2 nd floor – southeast bed room – under carpet – brown mastic	Negative	MCM
40a	Basement – south wall – plaster #2 skim coat	Negative	SP12
40b	Basement – south wall – plaster #2 base coat	Negative	SP12
41	Basement – north wall – plaster #2	Negative	SP12
42a	Basement – east wall – plaster #2 skim coat	Negative	SP12
42b	Basement – east wall – plaster #2 base coat	Negative	SP12
43	Basement – on chimney – flue packing	Positive 4% Chrysotile	TFP
44	Garage – on interior south wall – drywall #2	Negative	MDW2
45	Garage – on interior east wall – drywall #2	Negative	MDW2
46	Garage – on interior north wall – drywall #2	Negative	MDW2

The following materials sampled were found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Transite Siding	MTP	Exterior Walls Under Vinyl Siding	2,600 Sq. Ft.
Flue Packing	TFP	Basement on Chimney	2 Sq. Ft.
Duct Paper	TDW	1 st Floor Living Room & North Bedroom Ducts; Basement on Northwest Duct in Ceiling, Boots & West Return	80 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling & Garage	Asphalt Shingles & Flashing	1,500 Sq. Ft.
1 st	Kitchen/Bathroom	Floor Tile & Mastic	190 Sq. Ft.
2 nd	Kitchen/Pantry	Floor Tile & Mastic	60 Sq. Ft.

Homogeneous Material Codes

SP1	Plaster
SP12	Plaster #2
MTP	Transite
MPIs	Silver Paper Insulation
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MBI	Blown in Insulation
MPG	Glazing Compound
MFLte	Tan & Beige Linoleum
MFLback	Linoleum Backing
MFLe	Beige Linoleum
MFLyt	Gray & Tan Linoleum
MCTMc	Cream Ceramic Tile
MCTMc2	Cream Ceramic Tile #2
MCTMw	White Ceramic Tile
MCTMw2	White Ceramic Tile #2
MCTMt	Tan Ceramic Tile

Homogeneous Material Codes

MCTMe	Beige Ceramic Tile
MCTMe2	Beige Ceramic Tile #2
MCLKw	White Caulk
MFB	Fiberboard
MCM	Carpet With Mastic
TFP	Flue Packing
TDW	Duct Paper

Note#1: The duct paper and flue packing are friable materials and must be abated by a Wisconsin certified asbestos company prior to demolition.

The transite siding is a category II non-friable material and it is likely that this material will become crumbled, pulverized or reduced to powder during demolition. Abatement of the transite is recommended.

Asphalt roofing and floor tile/mastic are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the deconstruction contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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 – 2 nd Floor Kitchen & 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 were PCBs may be found:

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

OTHER ENVIRONMENTAL ISSUES

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

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
002	2	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
003	3	Homogeneous	Gray Transite	Asbestos Present Chrysotile 20	NA	CaCO3
004	4	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
005	5	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
006	6	Homogeneous	Silver Pipe Wrap	Asbestos Not Present	Cellulose 60	Tar Foil
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint

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

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



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
008	8	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
008a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
009	9	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	2 Sand Gypsum
010	10	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand Gypsum 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. 267262	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand Gypsum
011	11	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Paint
011b		Layered	Gray Plaster	Asbestos Not Present	Hair	4 Sand Gypsum
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	15 Gypsum
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
015	15	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
016	16	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
017	17	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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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Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
019	19	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
020	20	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
021	21	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
022	22	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
023	23	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
024	24	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20 Synthetic 5	Vinyl Binder

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Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
025	25	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
025a		Layered	White Grout	Asbestos Not Present	NA	Sand CaCO3
025b		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand Gypsum
025c		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3
026	26	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

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Account Number: B929	Dean Jacobsen
Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026a		Layered	White Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
026b		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
027	27	Layered	White Ceramic Tile	Asbestos Not Present	Cellulose	5 Clay Gypsum
027a		Layered	White Grout	Asbestos Not Present	NA	CaCO3 Binder
028	28	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
029	29	Layered	Gray Backing	Asbestos Not Present	Cellulose Synthetic	80 20
029a		Layered	White Mastic	Asbestos Not Present	NA	Glue CaCO3

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Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029b		Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
029c		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
030	30	Layered	Brown Ceramic Tile	Asbestos Not Present	Cellulose 3	Clay
030a		Layered	Black Grout	Asbestos Not Present	Cellulose 2	Sand Gypsum Binder
030b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
031	31	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 40 Synthetic 20	Gypsum

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Date Received: 07/27/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032	32	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
032a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
033	33	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
033a		Layered	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
033b		Layered	Gray Grout	Asbestos Not Present	Cellulose 2	Sand CaCO3
034	34	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
034a		Layered	Gray Grout	Asbestos Not Present	Cellulose 5	Sand CaCO3

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35	Layered	White Ceramic Tile	Asbestos Not Present	Cellulose 4	Clay Gypsum
035a		Layered	White Grout	Asbestos Not Present	Cellulose 2	Sand CaCO3
035b		Layered	Gray Grout	Asbestos Not Present	Cellulose 3	Sand Gypsum
036	36	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25 Synthetic 5	Vinyl Binder
036a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
037	37	Layered	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue CaCO3

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Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38	Homogeneous	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue Binder
039	39	Homogeneous	Brown Mastic	Asbestos Not Present	Cellulose 5	Glue Binder
040	40	Layered	White Stucco	Asbestos Not Present	NA	CaCO3 Sand
040a		Layered	Gray Stucco	Asbestos Not Present	Cellulose 2	Sand Gypsum
041	41	Homogeneous	Tan Stucco	Asbestos Not Present	Cellulose 2	CaCO3 Sand
042	42	Layered	White Stucco	Asbestos Not Present	NA	Sand CaCO3
042a		Layered	Gray Stucco	Asbestos Not Present	Cellulose 2	Sand CaCO3

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Date Analyzed: 08/01/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
043	43	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 4	Glass Fiber 50	Gypsum Perlite
044	44	Layered	Silver Coating	Asbestos Not Present	Cellulose 3	Binder Paint
044a		Layered	Tan Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
045	45	Layered	Silver Coating	Asbestos Not Present	Cellulose 3	Binder Paint
045a		Layered	Tan Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
046	46	Homogeneous	Tan Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum

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Methodology: EPA/600/R-93/116	Project Number: 16-400-014.3229

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
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Carter Cox

Carter W. Cox, Analyst

8/1/2016

Date of Report

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>207202</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.3229	
SAMPLED BY: Name:	Date:	P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<u>7/26/16 1700</u>	<u>FedEx</u>	<i>[Signature]</i>	

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



ASBESTOS CHAIN OF CUSTODY

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

For Lab Use Only	
Lab No.	20762
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Project Information						
Company: Harenda Management Group			Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<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"/>				
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 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 checked="" type="checkbox"/>				



ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>210702</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

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

IX. HMG CERTIFICATION

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

COPY

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016



ASBESTOS INSPECTION REPORT

Job Site:

**One Family Dwelling
4448 North 41st 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.: 16-400-014.4448
Contract No.: 360-16-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

HARENDA MANAGEMENT GROUP
1237 West Bruce Street
Milwaukee, Wisconsin 53204

August 2016

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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 suspect asbestos containing materials in the dwelling at 4448 North 41st Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, fiberboard, caulk, window glazing compound, duct paper, drywall/joint compound, false stone, ceramic tile, linoleum, false brick, joint compound patch, flue packing, furnace insulation, asphalt roofing, floor tile, and mastics to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M and NR 447 of the Wisconsin Administrative Code*.

II. BUILDING SURVEY

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

On July 26, 2016, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 4448 North 41st 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 asbestos containing materials within the buildings.
2. Sampling and documentation of observable suspect asbestos containing materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive (>1%) materials existing within the spaces.

The results of the inspection integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples collected 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. A point count analysis is performed for samples where the polarized light microscopy result is close to 1%. The point count is a more accurate fiber counting method and takes precedence over the polarized light microscopy result. Bold values below indicate that the material contains more than 1% asbestos. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, fiberboard, caulk, window glazing compound, duct paper, drywall/joint compound, false stone, ceramic tile, linoleum, false brick, joint compound patch, flue packing, furnace insulation, asphalt roofing, floor tile, and mastics. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Homogeneous Code
1	Exterior – west wall under aluminum siding – fiberboard	Negative	MFB
2	Exterior – south wall under aluminum siding – fiberboard	Negative	MFB
3	Exterior – east wall under aluminum siding – fiberboard	Negative	MFB
4	Exterior – on west wall corner – gray caulk	Negative	MCLK _y
5	Exterior – around south window – gray caulk	Negative	MCLK _y
6	Exterior – around east door – gray caulk	Negative	MCLK _y
7	1 st floor – living room – on west window – glazing compound	Negative	MPG
8	Basement – on south window – glazing compound	Negative	MPG
9	2 nd floor – hall – on east window – glazing compound	Negative	MPG
10	Exterior – on 1 st and 2 nd floor windows – white caulk	Negative	MCLK _w
11a	1 st floor – living room – west wall – joint compound	Negative	MDW
11b	1 st floor – living room – west wall – drywall	Negative	MDW
12	1 st floor – living room – south wall – drywall	Negative	MDW
13a	1 st floor – living room – north wall – joint compound	Negative	MDW
13b	1 st floor – living room – north wall – drywall	Negative	MDW
14	1st floor – living room – on north wall duct – duct paper	Positive 60% Chrysotile	TDW
15	1st floor – bathroom – on west wall duct – duct paper	Positive 60% Chrysotile	TDW
16	Basement – on duct near chimney – duct paper	Positive 60% Chrysotile	TDW
17a	1 st floor – living room closet – south wall – plaster skim coat	Negative	SPI
17b	1 st floor – living room closet – south wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI
17b	POINT COUNT RESULT	Trace 0.5% Actinolite/Tremolite	SPI
18a	1 st floor – hall – north wall – plaster skim coat	Negative	SPI
18b	1 st floor – hall – north wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI

Sample #	Location and Description	Results	Homogeneous Code
18b	POINT COUNT RESULT	Trace <0.25% Actinolite/Tremolite	SPI
19a	1 st floor – west bedroom – west wall – plaster skim coat	Negative	SPI
19b	1 st floor – west bedroom – west wall – plaster base coat	Trace <1% Actinolite/Tremolite	SPI
19b	POINT COUNT RESULT	Trace 0.25% Actinolite/Tremolite	SPI
19c	1 st floor – west bedroom – west wall – fiberboard	Negative	SPI
20a	1 st floor – east bedroom – south wall – joint compound layer	Negative	SPI
20b	1 st floor – east bedroom – south wall – plaster skim coat	Negative	SPI
20c	1 st floor – east bedroom – south wall – plaster base coat	Negative	SPI
21a	Basement – stair – west wall – plaster skim coat	Negative	SPI
21b	Basement – stair – west wall – plaster base coat	Positive 2% Actinolite/Tremolite	SPI
21b	POINT COUNT RESULT	Trace <0.25% Actinolite/Tremolite	SPI
22a	1 st floor – living room – on east wall – mortar	Negative	MFS
22b	1 st floor – living room – on east wall – false stone	Negative	MFS
23	1 st floor – west bedroom closet – under carpet – yellow mastic	Negative	MCM
23A	2 nd floor – bedroom – under carpet – yellow mastic	Negative	MCM
23B	2 nd floor – hall – under carpet – yellow mastic	Negative	MCM
24a	1 st floor – bathroom floor – cream ceramic tile	Negative	MCTMc
24b	1 st floor – bathroom floor – grout	Negative	MCTMc
25a	1 st floor – bathroom wallbase – black ceramic tile	Negative	MCTMk
25b	1 st floor – bathroom wallbase – grout	Negative	MCTMk
26a	1 st floor – bathroom – on wall under tub surround – gold mastic	Negative	MWMd
26b	1 st floor – bathroom – on wall under tub surround – joint compound	Negative	MWMd
27	1 st floor – bathroom – at tub – cream caulk	Negative	MCLKc
28	1 st floor – east bedroom – on floor – brown mastic	Negative	MFMn
29a	1 st floor – kitchen – 4 th layer west side – tan linoleum	Negative	MFLt
29b	1 st floor – kitchen – 4 th layer west side – under tan linoleum – brown mastic	Negative	MFLt
29c	1 st floor – kitchen – 5 th layer west side – paper insulation	Negative	MPI
29d	1 st floor – kitchen – 5 th layer west side – under paper insulation – brown mastic	Negative	MPI
30	1 st floor – kitchen – 4 th layer east side – tan linoleum	Negative	MFLt
31	1 st floor – kitchen – 4 th layer north side – tan linoleum	Negative	MFLt
32	1 st floor – kitchen – on west wall under wood panel – tan mastic	Negative	MWMt
33a	1 st floor – kitchen – on east wall – false brick	Negative	MFBR
33b	1 st floor – kitchen – on east wall – under false brick - yellow mastic	Negative	MFBR
33c	1 st floor – kitchen – on east wall – grout	Negative	MFBR
34a	2 nd floor – stair – north wall – texture	Negative	STX
34b	2 nd floor – stair – north wall – texture layer 2	Negative	STX
34c	2 nd floor – stair – north wall – fiberboard #2	Negative	MFB2
35a	2 nd floor – hall – south wall – texture	Negative	STX
35b	2 nd floor – hall – south wall – texture layer 2	Negative	STX
35c	2 nd floor – hall – south wall – fiberboard #2	Negative	MFB2

Sample #	Location and Description	Results	Homogeneous Code
36a	2 nd floor – hall – north wall – texture	Negative	STX
36b	2 nd floor – hall – north wall – texture layer 2	Negative	STX
36c	2 nd floor – hall – north wall – fiberboard #2	Negative	MFB2
37	2 nd floor – hall – on ceiling – joint compound patch	Negative	MJC
38	2 nd floor – bedroom – on south wall – joint compound patch	Negative	MJC
39	2 nd floor – bedroom – on ceiling – joint compound patch	Negative	MJC
40	Basement – on chimney – flue packing	Negative	TFP
41	Basement – on furnace exterior – gray insulation	Negative	TFE

The following material sampled was found to contain more than 1% asbestos:

Material	Homogeneous Code	Location	Approximate Quantity
Duct Paper	TDW	Ducts in 1 st Floor Walls, Basement Near Chimney	44 Sq. Ft.

Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Quantity
Roof	Dwelling & Garage	Asphalt Shingles & Flashing	1,600 Sq. Ft.
1 st	Kitchen	Floor Tile & Mastic	400 Sq. Ft.

Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFB	Fiberboard
MFB2	Fiberboard #2
MCLKy	Gray Caulk
MCLKw	White Caulk
MCLKc	Cream Caulk
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MFS	False Stone
MCM	Carpet Mastic
MCTMc	Cream Ceramic Tile
MCTMk	Black Ceramic Tile
MWMt	Tan Wall Mastic
MWMd	Gold Wall Mastic
MFMn	Brown Floor Mastic
MFLt	Tan Linoleum
MPI	Paper Insulation
MFBR	False Brick
MJC	Joint Compound
TFP	Gray Flue Packing
TFE	Exterior Furnace Insulation
TDW	Duct Paper

Note#1: The duct paper is a friable material and must be abated by a Wisconsin certified asbestos company prior to demolition.

Asphalt roofing and floor tile/mastic on wood are category I non friable materials and may remain on the building if the demolition debris will be disposed at a Wisconsin licensed landfill.

Note#2: 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#3: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#4: A copy of this report should be transmitted to the demolition contractor.

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

V. EXCLUSIONS

Roof visible only from ground. Areas within walls and ceilings were not accessible. No visible or accessible areas were excluded from the scope of work.

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

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

VI. LIMITATIONS

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

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

VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

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

ASBESTOS

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health 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>1</u>	Refrigerators, Freezers, Chillers – Kitchen, 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>1</u>	Fire Extinguishers (both portable and installed HALON suppression systems) – Basement
<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>9</u>	Fluorescent Lights – Garage, Bathroom, Kitchen, 2 nd Floor Bedroom
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

HVAC

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces & 3 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

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

PCBs

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

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Ballasts – Garage
<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>4</u>	Junk Auto Tires – Back Yard
<u>N/A</u>	Junk Vehicles

- * 1 Gas Meter on Exterior
- * 1 Quart Motor Oil in Garage
- * 1 Boat With Outboard Motor Behind Garage
- * 1 RV Camper Back yard With 2 Propane Tanks
- * 1 Water Meter & 5 Gallons Paint in Basement

VIII. LABORATORY RESULTS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
002	2	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
003	3	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
004	4	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
005	5	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
006	6	Homogeneous	Tan Caulk	Asbestos Not Present	Talc 7	CaCO3 Binder
007	7	Homogeneous	White Window Glazing	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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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
009	9	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
011	11	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
011a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
012	12	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
014	14	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
015	15	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
016	16	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
017	17	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
017a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
018a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite
019	19	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum Sand Paint
019a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite <1	NA	Gypsum Vermiculite
019b		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
020	20	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Skim Coat	Asbestos Not Present	Synthetic	2 Gypsum Sand Paint
020b		Layered	Tan Plaster	Asbestos Not Present	NA	Gypsum Vermiculite
021	21	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum Paint
021a		Layered	Tan Plaster	Asbestos Present Actinolite/Tremolite	2	NA Gypsum Vermiculite
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Plaster	Asbestos Not Present	Synthetic	3 Sand CaCO3
023	23	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	23A	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3
025	23B	Homogeneous	Yellow Mastic	Asbestos Not Present	Synthetic	3 Glue CaCO3
026	24	Layered	Beige Ceramic Tile	Asbestos Not Present	NA	Clay Gypsum
026a		Layered	Gray Grout	Asbestos Not Present	Cellulose	2 Sand CaCO3
027	25	Layered	Black Ceramic Tile	Asbestos Not Present	NA	Clay
027a		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand

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

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Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	26	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
028a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Paint
029	27	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
030	28	Homogeneous	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
031	29	Layered	Tan Linoleum	Asbestos Not Present	Synthetic 40	Vinyl Tar
031a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
031b		Layered	Brown Paper	Asbestos Not Present	Cellulose 100	

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

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031c		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
032	30	Homogeneous	Tan Linoleum	Asbestos Not Present	Synthetic	40 Vinyl Tar
033	31	Homogeneous	Tan Linoleum	Asbestos Not Present	Synthetic	40 Vinyl Tar
034	32	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
035	33	Layered	Tan Surfacing	Asbestos Not Present	Cellulose Synthetic	10 20 Mica Binder
035a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035b		Layered	Red Surfacing	Asbestos Not Present	NA	Vinyl Mica Perlite
036	34	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
036a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
036b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
037	35	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
037a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
037b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	36	Layered	Tan Texture	Asbestos Not Present	Cellulose 10	CaCO3 Paint
038a		Layered	White Plaster	Asbestos Not Present	NA	Sand Gypsum
038b		Layered	White Fiberboard	Asbestos Not Present	Cellulose 90	Paint
039	37	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint
039a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
040	38	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267349	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 07/28/2016	1237 West Bruce St.
Received By: Peyton Awbrey	Milwaukee, WI 53204
Date Analyzed: 08/02/2016	Project: DNS
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
041	39	Layered	White Texture	Asbestos Not Present	NA	Sand Gypsum Paint
041a		Layered	Tan Fiberboard	Asbestos Not Present	Cellulose 100	
042	40	Homogeneous	Gray Stucco	Asbestos Not Present	Cellulose 3	Sand Gypsum
043	41	Homogeneous	Gray Surfacing	Asbestos Not Present	Wollastonite 40	Gypsum Binder

Carter Cox

Carter W. Cox, Analyst

8/2/2016

Date of Report

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

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ASBESTOS CHAIN OF CUSTODY

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

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267349</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.4448	
SAMPLED BY: Name:	Date:	P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<i>7/27/16 1700</i>	<i>FedEx</i>	<i>PA</i>	<i>7/28/16 10:10</i>

REQUESTED SERVICES (Please the Appropriate Boxes)

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

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



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For Lab Use Only	
Lab No. <u>2107349</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

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



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For Lab Use Only	
Lab No. <u>217349</u>	
<input checked="" type="radio"/> Accept	<input type="radio"/> Reject

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

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	29	<input checked="" type="checkbox"/>				
32	30	<input type="checkbox"/>				
33	31	<input type="checkbox"/>				
34	32	<input type="checkbox"/>				
35	33	<input type="checkbox"/>				
36	34	<input type="checkbox"/>				
37	35	<input type="checkbox"/>				
38	36	<input type="checkbox"/>				
39	37	<input type="checkbox"/>				
40	38	<input type="checkbox"/>				
41	39	<input type="checkbox"/>				
42	40	<input type="checkbox"/>				
43	41	<input checked="" 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"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 267674	Client: Harenda Management Group
Account Number: B929	Dean Jacobsen
Date Received: 08/04/2016	1237 West Bruce St.
Received By: Rachel Brooks	Milwaukee, WI 53204
Date Analyzed: 08/05/2016	Project: DNS-PTCT for 267349
Analyzed By: Carter Cox	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 16-400-014.4448

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	17	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite 0.50 400 Point Count	NA	
002	18	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite <0.25 400 Point Count	NA	
003	19	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite 0.25 400 Point Count	NA	
004	21	Homogeneous	Tan Plaster	Asbestos Present Actinolite/Tremolite <0.25 400 Point Count	NA	

Carter Cox

Carter W. Cox, Analyst

8/5/2016

Date of Report

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

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No. <u>267349</u>	
<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Reject

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 16-400-014.4448	
SAMPLED BY: Name:	Date:	P.O. Number:	

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

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	8/3/16 1645	Email	<i>Rupp</i>	8/4/16 800

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 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 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	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	17	<input checked="" type="checkbox"/>		tan plaster		Quantem Lab #: 267349
2	18	<input checked="" type="checkbox"/>		tan plaster		
3	19	<input checked="" type="checkbox"/>		tan plaster		
4	21	<input checked="" type="checkbox"/>		tan plaster		
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

Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

**1237 W BRUCE ST
MILWAUKEE WI 53204-1218**

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

Asbestos Company - Primary

Certificate Issue Date: 07/29/2015
Expiration Date: 08/31/2017, 12:01 a.m.
Certification #: CAP-480540

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



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation

You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

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ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services

Dean T Jacobsen
W131s6781 Kipling Dr
Muskego WI 53150-3401

	160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963 Male

Training due by: 12/01/2016