OFFICIAL NOTICE

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

**INVITATION FOR BIDS FOR MECHANICAL DEMOLITION PROJECT OPENING 3-5-19 PACKAGE A**

THE COMMISSIONER OF THE DEPARTMENT OF NEIGHBORHOOD SERVICES OF THE CITY OF MILWAUKEE ("Commissioner"), Milwaukee, Wisconsin, acting pursuant to Sec. 7-22-3, Milwaukee City Charter, will receive sealed bids for furnishing all labor and materials and performing all work necessary for and incidental to the demolition of eighteen (18) primary buildings and three (3) secondary buildings located in the city of Milwaukee, Wisconsin, until **9:00 a.m.(central time)** on **Tuesday, March 5, 2019,** 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, qualified, responsive, and responsible bidder 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 All bids shall be held open for a period of sixty (60) days subsequent to the opening of bids and no bid may be withdrawn without the written consent of the Commissioner.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) 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 Ordinance This provision must be included in all subcontracts. (b) 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. (c) 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, if the company was established in or before 1865.

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 414-286-5534. More information can be found at www.milwaukee.gov/osbd**

This bid includes a Local Business(LBE) incentive in accordance with Chapter 365 Milwaukee Code of Ordinances.

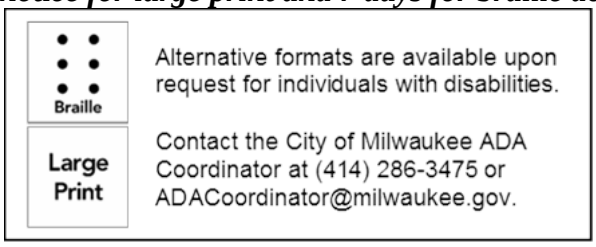
IT IS YOUR RESPONSIBILITY AS A BIDDER TO FAMILIARIZE YOURSELF WITH THIS ORDINANCE PRIOR TO SUBMITTING YOUR BID.

This bid includes Socially-Responsible Contractors (SRC) incentive in accordance with Chapter 310 Milwaukee Code of Ordinances. More information can be found at https://city.milwaukee.gov/Purchasing/Programs/Socially-Responsible-Contractors-SRC-Program.

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.

**Anyone who requires an auxiliary aid or service for this event should contact the City of Milwaukee ADA Coordinator @ (414) 286-3475 or** ADACoordinator@milwaukee.gov **as soon as possible but *no later than 72 hours before the scheduled event.***
**This material is available in alternative formats for individuals with disabilities upon request. Please contact the City of Milwaukee ADA Coordinator @ (414) 286-3475 or** ADACoordinator@milwaukee.gov**. *Provide a 72 hour advance notice for large print and 7 days for braille documents.***




DEPARTMENT OF NEIGHBORHOOD SERVICES
OF THE CITY OF MILWAUKEE
841 NORTH BROADWAY RM 105
MILWAUKEE WI 53202-3650

February 18, 2019
February 19, 2019

BID DOCUMENTS

FOR

# MECHANICAL DEMOLITION PROJECT

## OPENING TUESDAY, MARCH 5, 2019 (PACKAGE A)

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 LOCATIONS AND DESCRIPTION OF STRUCTURES FOR DEMOLITION PROJECT OPENING TUESDAY, MARCH 5, 2019

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 — 2735-37 North 10th Street – 2.5-story frame 2-family dwelling

Remove fire-damaged dwelling, garage slab, sidewalks, concrete steps, 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 REQUIRED TO BE ABATED BEFORE MECHANICAL DEMOLITION. Please note that the inspector from HMG was unable to gain access to all areas of the building. On-site monitoring by a certified asbestos specialist will be required during demolition. This cost should be included in the bid price. (4 days to complete)**

Parcel 2 – 2534 North 11th Street – 1.5-story frame 1-family REAR dwelling

Remove dwelling, sidewalks, concrete steps, 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 REQUIRED FOR MECHANICAL DEMOLITION.**
**(4 days to complete)**

Parcel 3 – 2537-39 North 11th Street – 2.5-story frame 2-family dwelling & 1-story frame garage

Remove dwelling and garage, two garage slabs, fences, sidewalks, concrete steps, 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 REQUIRED FOR MECHANICAL DEMOLITION.**
**(4 days to complete)**

Parcel 4 – 2836-38 North 12th Street – 2.5-story frame 2-family dwelling

Remove dwelling, fences, sidewalks, concrete steps, trees, bushes and shrubs, driveway 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. **Asbestos-containing materials identified in the HMG report have been ABATED.**
**(5 days to complete) (concrete work to be completed as soon as weather permits)**

Parcel 5 – 2545 North 14th Street – 1.5-story frame 1-family dwelling

Remove dwelling, retaining wall, fences, sidewalks, concrete steps, 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 REQUIRED FOR MECHANICAL DEMOLITION. (4 days to complete)**

Parcel 6 – 2327 North 17th Street – 2-story frame 2-family dwelling

Remove dwelling, fences, sidewalks, concrete steps, 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 REQUIRED FOR MECHANICAL DEMOLITION. (6 days to complete)**

Parcel 7 – 2445 North 17th Street – 2-story frame 2-family dwelling

Remove dwelling, fences, garage slab, sidewalks, concrete steps, trees at north and west foundation, bushes and shrubs and oil tank in basement. 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 REQUIRED FOR MECHANICAL DEMOLITION. (7 days to complete)**

Parcel 8 – 2531 North 17th Street – 2-story frame 2-family dwelling

Remove dwelling, fences, garage slab, patio, driveway, sidewalks, concrete steps, railings, and trees and oil tank in basement. 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. **Asbestos-containing materials identified in the HMG report have been ABATED. (7 days to complete)**

Parcel 9 – 2138-40 North 18th Street – 2-story frame 2-family dwelling

Remove dwelling, fences, driveway and approach, concrete steps, bushes and shrubs and one curb cut. 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 REQUIRED FOR MECHANICAL DEMOLITION. (8 days to complete) (concrete work to be completed as soon as weather permits)**

Parcel 10 – 2448-50 North 18th Street – 2-story frame 4-family dwelling

Remove dwelling, fences, garage slab, sidewalks, trees, bushes and shrubs and oil tank in basement. 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 REQUIRED FOR MECHANICAL DEMOLITION. (8 days to complete)**

Parcel 11 – 2377-77A North 20th Street – 1.5-story frame 2-family dwelling & 1-story masonry garage

Remove dwelling and garage, garage slab, driveway, 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 REQUIRED FOR MECHANICAL DEMOLITION. (7 days to complete)**

Parcel 12 – 2007 North 21st Street – 2-story frame 2-family dwelling

Remove dwelling, fences, sidewalks, driveway and approach, bushes, shrubs and one curb cut. 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 REQUIRED FOR MECHANICAL DEMOLITION. (8 days to complete)**

Parcel 13 – 2216 North 21st Street – 1-story frame 1-family dwelling

Remove dwelling, fences, sidewalks, concrete steps, bushes and shrubs. 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 REQUIRED FOR MECHANICAL DEMOLITION. (5 days to complete)**

Parcel 14 – 2433-33A North 21st Street – 2-story frame 2-family dwelling

Remove fire-damaged dwelling, sidewalks, bushes, shrubs and trees and all fire debris. 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 REQUIRED FOR MECHANICAL DEMOLITION. (7 days to complete)**

Parcel 15 – 2445 North 21st Street – 1.5-story frame 1-family dwelling & 1-story frame garage

Remove dwelling, fences, bushes, shrubs and trees. 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 REQUIRED FOR MECHANICAL DEMOLITION. (9 days to complete)**

Parcel 16 – 2016-18 North 23rd Street – 2-story frame 2-family dwelling

Remove dwelling, retaining wall, fences, garage slab, concrete steps, bushes, shrubs and trees. 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 REQUIRED FOR MECHANICAL DEMOLITION. (6 days to complete)**

Parcel 17 – 2438 North 23rd Street – 2-story frame 2-family dwelling

Remove dwelling, fences, garage slab, sidewalks, clothes poles, bushes, shrubs and trees. 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 REQUIRED FOR MECHANICAL DEMOLITION. (9 days to complete)**

Parcel 18 – 2450 North 23rd Street – 1.5 story frame 1-family dwelling

Remove dwelling, fences, sidewalks, concrete steps, bushes, shrubs and trees. 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 REQUIRED FOR MECHANICAL DEMOLITION. (7 days to complete)**

**DUE TO THE FUNDING SOURCE OF ALL PARCELS ON THIS BID, PARCELS MUST BE COMPLETED BY ESTABLISHED COMPLETION DATE ON RESULTING CONTRACT AND MUST BE INVOICED BY JULY 1, 2019. LIQUIDATED DAMAGES IN THE AMOUNT OF $100 PER DAY WILL BE ASSESSED PER SECTION 4.3.15 OF THE DEMOLITION AND SITE CLEARANCE GENERAL SPECIFICATIONS FOR WORK NOT COMPLETED IN TIMELY MANNER.**

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.

**<u>REQUIRED EROSION CONTROL MEASURES FOR PARCELS:</u> 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 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. LOCATIONS AND DESCRIPTION OF BUILDINGS TO BE DEMOLISHED.**
(SEE ATTACHED)

DEPARTMENT OF NEIGHBORHOOD SERVICES DEMOLITION PROJECTS

FORMAL BIDS

The complete Bid Documents shall include Bids for Demolition form, 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.**

If any bidder has any questions as to the Bid Documents or Specifications, please contact this office by calling 414-286-2515.

# 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 eighteen (18) primary buildings and three (3) secondary buildings located in the City of Milwaukee, for Demolition Project opening March 5, 2019, 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: _____
Rev. 1/00

## 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 3-5-19 PKG. A
LOCATION AND DESCRIPTION OF BUILDINGS TO BE DEMOLISHED

| Parcel Number | Address | Stories | Construc. | Occupancy | Residential Units | Owner | Cubic Footage |
|---|---|---|---|---|---|---|---|
| 1 | 2735-37 North 10th Street | 2.5 | frame | dwelling | 2 | CITY | 35,000 |
| 2 | 2534 North 11th Street | 1.5 | frame | REAR dwelling | 1 | CITY | 14,000 |
| 3 | 2537-39 North 11th Street | 2.5<br>1 | frame<br>frame | dwelling<br>garage | 2<br>- | CITY | 37,000<br>6,000 |
| 4 | 2836-38 North 12th Street | 2.5 | frame | dwelling | 2 | CITY | 27,000 |
| 5 | 2545 North 14th Street | 1.5 | frame | dwelling | 1 | CITY | 15,000 |
| 6 | 2327 North 17th Street | 2 | frame | dwelling | 2 | CITY | 22,000 |
| 7 | 2445 North 17th Street | 2 | frame | dwelling | 2 | CITY | 31,250 |
| 8 | 2531 North 17th Street | 2 | frame | dwelling | 2 | CITY | 22,000 |
| 9 | 2138-40 North 18th Street | 2 | frame | dwelling | 2 | CITY | 31,500 |
| 10 | 2448-50 North 18th Street | 2 | frame | dwelling | 4 | CITY | 37,500 |

DEMOLITION PROJECT OPENING 3-5-19 PKG. A (Continued)
LOCATION AND DESCRIPTION OF BUILDINGS TO BE DEMOLISHED

| Parcel Number | Address | Stories | Construc. | Occupancy | Residential Units | Owner | Cubic Footage |
|---|---|---|---|---|---|---|---|
| 11 | 2377-77A North 20th Street | 1.5 | frame | dwelling | 2 | CITY | 23,040 |
| | | 1 | masonry | garage | | CITY | 4,800 |
| 12 | 2007 North 21st Street | 2 | frame | dwelling | 2 | CITY | 19,250 |
| 13 | 2216 North 21st Street | 1 | frame | dwelling | 1 | CITY | 12,600 |
| 14 | 2433-33A North 21st Street | 2 | frame | dwelling | 2 | CITY | 29,250 |
| 15 | 2445 North 21st Street | 1.5 | frame | dwelling | 1 | CITY | 20,000 |
| | | 1 | frame | garage | - | CITY | 4,400 |
| 16 | 2016-18 North 23rd Street | 2 | frame | dwelling | 2 | CITY | 18,600 |
| 17 | 2438 North 23rd Street | 2 | frame | dwelling | 2 | CITY | 22,500 |
| 18 | 2450 North 23rd Street | 1.5 | frame | dwelling | 1 | CITY | 25,830 |

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.

**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 $_____

Parcel 10 _____ Dollars $_____

Parcel 11 _____ Dollars $_____

Parcel 12 _____ Dollars $_____

Parcel 13 _____ Dollars $_____

Parcel 14 _____ Dollars $_____

Parcel 15 _____ Dollars $_____

Parcel 16 _____ Dollars $_____

Parcel 17 _____ Dollars $_____

Parcel 18 _____ 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 3-5-19 Package A
DEMOLITION OF18 PRIMARY BUILDINGS & 3 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

FORM B (3/13)

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

BIDS DUE: 3-5-19 Package A

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: _____

Revised December 28, 2016

**DEPARTMENT OF ADMINISTRATION**
**PURCHASING DIVISION**

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

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

Bid/RFP #: _____

Company Name: _____

Address: _____

City, State, Zip _____

This signed and notarized affidavit of compliance will be the contractor's sworn statement that the business satisfies all of the following criteria:

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

**IMPORTANT**: **Is your business certified as a Small Business Enterprise (SBE) with the City of Milwaukee?**
**Please Select: ____Yes or ___No**

**NOTE:** If you are the primary owner of more than one business location and the other business location(s) is not located within the geographical boundaries of the City of Milwaukee, the business you are seeking to qualify as a Local Business Enterprise must serve as the primary functionally operational entity that is capable of providing the required services, commodities, or supplies for the purposes of this Bid/RFP. If you own more than one business, please list the name of the business(es) and their addresses on the "Business Property Location" form.

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

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

Authorized Signature: _____

Printed Name: _____

Date: _____

# NOTARIZATION

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

NOTARY PUBLIC SIGNATURE: _____

(SEAL)

PRINT NAME: _____ My commission expires: _____

**PLEASE SUBMIT THIS FORM WITH YOUR BID OR PROPOSAL TO:**
**841 NORTH BROADWAY, ROOM 105**
**MILWAUKEE, WISCONSIN 53202**

City of Milwaukee

**DEPARTMENT OF NEIGHBORHOOD SERVICES**

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

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

Bid / RFP # _____

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

| | |
|---|---|
| Name: | |
| Address: | |
| City, State, Zip | |

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

| | |
|---|---|
| Name: | |
| Address: | |
| City, State, Zip | |

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

| | |
|---|---|
| Name: | |
| Address: | |
| City, State, Zip | |

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

| | |
|---|---|
| Name: | |
| Address: | |
| City, State, Zip | |

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

**PRICE BREAKDOWN**

| NO. | PARCEL ADDRESS | ASBESTOS ABATEMENT | DEMO DWLG. | DEMO GARAGE | TOTAL |
|---|---|---|---|---|---|
| 1 | 2735-37 North 10th Street (dwelling) | | | | |
| 2 | 2534 North 11th Street (rear dwelling) | | | | |
| 3 | 2537-39 North 11th Street (dwelling & garage) | | | | |
| 4 | 2836-38 North 12th Street (dwelling) | | | | |
| 5 | 2545 North 14th Street (dwelling) | | | | |
| 6 | 2327 North 17th Street (dwelling) | | | | |
| 7 | 2445 North 17th Street (dwelling) | | | | |
| 8 | 2531 North 17th Street (dwelling) | | | | |
| 9 | 2138-40 North 18th Street (dwelling) | | | | |

NOTE: If bidder fails to list price breakdown for garage, it will be assumed that the cost to the City of Milwaukee for demolishing the garage is $0.

**PRICE BREAKDOWN**

| NO. | PARCEL ADDRESS | ASBESTOS ABATEMENT | DEMO DWLG. | DEMO GARAGE | TOTAL |
|---|---|---|---|---|---|
| 10 | 2448-50 North 18th Street (dwelling) | | | | |
| 11 | 2377-77A North 20th Street (dwelling & garage) | | | | |
| 12 | 2007 North 21st Street (dwelling) | | | | |
| 13 | 2216 North 21st Street (dwelling) | | | | |
| 14 | 2433-33A North 21st Street (dwelling) | | | | |
| 15 | 2445 North 21st Street (dwelling & garage) | | | | |
| 16 | 2016-18 North 23rd Street (dwelling) | | | | |
| 17 | 2438 North 23rd Street (dwelling) | | | | |
| 18 | 2450 North 23rd Street (dwelling) | | | | |

NOTE: If bidder fails to list price breakdown for garage, it will be assumed that the cost to the City of Milwaukee for demolishing the garage is $0.

## Socially-Responsible Contractors (SRC) Application

A. If the bids of two or more socially-responsible contractors do not exceed the lowest bid by more than 5%, the contract shall be awarded to the socially-responsible contractor that submitted a bid that exceeded the lowest bid by the smallest amount.

B. If a bid submitted by a non-socially-responsible contractor and a bid submitted by a socially-responsible contractor are identical, the contract shall be awarded to the socially-responsible contractor, even if the bids are only identical due to the 5% award standard provided for in this chapter.

C. If two bids submitted by two socially-responsible contractors are identical, the winner will be determined in accordance with the process for tie-breakers as established by the City Purchasing Director.

D. If the difference between the low bidder's amount and the lowest socially-responsible contractor amount is within 5% of the low bidder and exceeds $25,000, then the provisions in SRC Application - point A shall not apply.

E. SRC Application – point A shall only be applied to the "base bid".

F. If a bidder or proposer is seeking to qualify for the SRC bid incentive, that bidder or proposer may not also seek to qualify for the City's other bid incentive programs such as the Local Business Enterprise (LBE) bid incentive (city.milwaukee.gov/Purchasing/Programs) or the Buy American bid incentive (city.milwaukee.gov/Purchasing/Programs). Should there be a conflict between multiple bidders that are seeking to qualify for these incentives, precedence shall be given to the bidder seeking to qualify for a bid incentive in the following descending order:

1. LBE bid incentive

2. Buy American bid incentive

3. SRC bid incentive

City of Milwaukee

DEPARTMENT OF ADMINISTRATION-PURCHASING DIVISION

# SOCIALLY-RESPONSIBLE CONTRACTORS (SRC) AFFIDAVIT OF COMPLIANCE

**NOTE:** *This affidavit must be completed in its entirety and submitted with your bid or proposal to be considered for SRC bid incentive.*

Bid or RFP #: _____

Company Name: _____

Address, City, State, Zip: _____

A "*Socially-Responsible Contractor*" or "SRC" is an entity submitting a bid as part of the City's formal competitive bidding process that has acted or implemented a program to eliminate, or significantly reduce, barriers to employment for current and prospective employees of the contractor. Actions or implemented programs shall include at least three (3) of the programs listed in **Section I** below. To indicate which programs you have acted or implemented, place a checkmark in the box next to each item pertaining to the business entity as a bidder or proposer for the City of Milwaukee.

## I. SRC CRITERIA

☐ A. Hire persons with felony convictions;

☐ B. Assist current or prospective employees with earning their high school diploma;

☐ C. Underwrite or facilitate industry-linked career-assessed pre-employment services and subsidized work experience including: internships, job shadowing, on-the-job training, and summer employment;

☐ D. Partner with an employment service agency to monitor and track individualized employment plans;

☐ E. Provide, underwrite, or facilitate industry-linked career-based instruction to current or prospective employees in areas such as the following: blueprint reading, basic math and measurement, technical math, labor history, construction culture and essential skills, health and safety awareness, manufacturing processes and production, maintenance, and budgeting and financial literacy;

☐ F. Provide or facilitate occupational skills training and related adult mentoring and networking;

☐ G. Underwrite or facilitate subsidized or unsubsidized programs which provide supportive services for current or prospective employees to obtain or fund the following:

- A valid driver's license
- Transportation vouchers to work and home
- Appropriate work attire, work safety gear, and other needed equipment
- Testing and certification fees
- Legal aid services
- Child care and family-related dependent care
- Emergency housing, health care, and short-term emergency assistance
- Career and training services
- School supplies, books, and fees
- Referrals for medical services and exams
- Reasonable accommodations for persons with disabilities

☐ H. Partner with employment agencies to supplement subsidized wages to ensure employees receive a living wage;

☐ I. Provide breast feeding facilities for employees who are nursing children;

☐ J. Provide a minimum of 120 hours of paid sick leave;

☐ K. Provide a minimum of five (5) paid sick days;

☐ L. Provide an employer-assisted housing program providing homebuyer assistance in the form of mortgages, down payment assistance, or homebuyer education for residences within walking distance of their employer;

☐ M. Provide assistance to reduce fees and penalties on tardy child support payments, manage payment of child support arrears, and become current on child support obligations.

*Continue to the next page to complete Sections II & III*

## II. DISCLOSURE

The purpose of the *Socially-Responsible Contractor* Program (SRC) is to ensure contributions toward community betterment made by socially-responsible contractors are recognized and rewarded. Each bidder or proposer seeking to qualify for the SRC bid incentive shall submit, as part of its bid or proposal, this sworn affidavit describing actions taken and programs implemented to eliminate, or significantly reduce, the barriers to employment for current and prospective employees of the contractor. The outcomes of these actions and programs shall be described in verifiable detail in the section below. (Please include an attachment if additional line space is required).

_____

_____

_____

_____

_____

This signed and notarized affidavit of compliance will be the contractor's sworn statement that the business satisfies the criteria for Socially-Responsible Contractors pursuant to Chapter 310-10 of the City of Milwaukee Code of Ordinances.

I hereby declare compliance with Chapter 310-10 of the City of Milwaukee Code of Ordinances.

Authorized Signature: _____

Printed Name: _____

Date: _____

## III. NOTARIZATION

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

_____ County, _____ State.

NOTARY PUBLIC SIGNATURE: _____

(SEAL)

PRINT NAME: _____ My commission expires: _____

**PLEASE SUBMIT THIS FORM WTH YOUR BID OR PROPOSAL TO:**
**200 E. WELLS STREET, ROOM 601**
**MILWAUKEE, WISCONSIN 53202**
**OR FAX TO 414-286-5976**

# Policy Prohibiting Firearms and Dangerous Weapons in the Workplace

**Department of Employee Relations**
**November 10, 2011**
***Revised February 27, 2012***

## *Policy Statement*

The City of Milwaukee has a zero tolerance policy for firearms and dangerous weapons in the workplace. Accordingly, the City of Milwaukee prohibits employees from carrying or possessing a firearm or dangerous weapon while acting in the course and scope of their employment for and on behalf of the City of Milwaukee. This policy applies to all general city employees, including students, volunteers, staffing agency workers or contractors working in the course and scope of their employment with the City of Milwaukee.

## *Definitions*

Employee - Employee includes any person, excluding law enforcement personnel, who performs services for the City of Milwaukee, either compensated or uncompensated.

Firearm or dangerous weapon – for purposes of this policy a firearm or dangerous weapon includes, but is not limited to, the following:

(1) A firearm, whether loaded or unloaded, from which a shot may be discharged including but not limited to handguns, pistols, revolvers, shotguns, rifles, and bb guns;
(2) A gun that can discharge a shot or a projectile by means of an explosive or gas, or compressed air;
(3) A device designed to be used as a weapon, from which can be expelled a projectile by the force of any explosion or force of combustion;
(4) Any weapon (including a starter gun) which will or is designed to or may readily be converted to expel a projectile by the action of an explosive;
(5) Any destructive device;
(6) Any device designed as a weapon and capable of producing great bodily harm, including but not limited to, stun guns, stun batons;
(7) An electric weapon such as a taser gun;
(8) Any combustible or flammable liquid, or other substance, device, or instrumentality that, in a manner it is used or intended to be used, is calculated or likely to produce death or great bodily harm, or any fire that is used to produce death or great bodily harm; and,
(9) Any knife *that is carried with intention or calculation to produce death or great bodily harm. Switchblades are specifically prohibited. (A Leatherman or other small pocket knife is permissible, as long as the blade is 3 inches or less in length. Knives intended to be used as eating utensils, and stored or maintained in office kitchens or lunchrooms do not represent a violation of this policy.)*

## *Prohibitions*

Regardless of whether a city employee possesses a concealed weapons license or is allowed by law to possess a weapon, all employees are prohibited from possessing, transferring, carrying, selling and storing firearms or dangerous weapons while working on city property or while acting within the coursescope of their employment when not on City of Milwaukee property. This prohibition applies anywhere City business is conducted as summarized below:

- working on property owned, leased or controlled by the City;
- performing work for the City at any location including private residences and commercial establishments and other customer or client locations;
- driving or riding as a passenger in a city vehicle;
- attending trade shows, conferences, or training on behalf of the City;
- attending City of Milwaukee directed or sponsored activities or events (intended for city employees only and not the general public) independent of venue;
- Riding any type of mass transit while on City business;
- Working off-site on behalf of the City (excluding the employee's residence);
- performing emergency or on-call work for the City after normal business hours and on weekends;
- Attending training or conferences on behalf of the City.

City employees may possess, carry and store a firearm or dangerous weapon in their own motor vehicles if they have obtained the appropriate license as required by applicable state and federal laws. Employees who use a personal vehicle in the course and scope of their employment are required to keep the permitted firearm or dangerous weapon stored out of sight and in a secure location.

Violation of this Policy is considered a serious offense that endangers the safety of employees and others. Therefore, this any offense may result in severe disciplinary action up to and including discharge from employment. When appropriate a referral to law enforcement may be made which may result in criminal charges.

## *Safety First*

In applying this policy, no employee shall take any action that will risk his or her own safety or the safety of other individuals. No attempt should ever be made by an employee to restrain or forcibly evict an armed person from City premises. Employees in facilities without a designated Police or security force may inform individuals carrying weapons of the law and ask for their compliance. This should be done in an informative, calm and non-confrontational manner. An individual's continued non-compliance after being properly informed of the law should result in notification to the Police Department. Employees in facilities with a designated Police or security force should make all attempts to defer intervention in concealed or open carry situations to those groups by contacting designated security personnel via established reporting mechanisms.

An employee who feels an immediate risk to his or her own safety or the safety or security of others, should avoid any interaction with the individual. Steps should be taken to secure their area

and immediately contact the Police Department by calling 9-911 and their assigned building security (where applicable).

## *Report of Violations*

*Employee Violations*
Employees are required to report violations of this Policy without regard to the relationship between the individual who initiates the prohibited behavior and the individual reporting it.

An employee who believes that another employee may be in violation of this policy should report the alleged violation to the employee's manager or supervisor, the department head, or the appropriate departmental Human Resources representative.

The City will promptly investigate allegations of violations of this policy. Supervisors and managers are responsible for establishing and modifying procedures as necessary to carry out and comply with this Policy in accordance with applicable laws and City ordinances. Departments are responsible for implementing protocols for handling a prohibited weapon upon discovery.

The City reserves the right to authorize searches for prohibited weapons on its property when a violation is reported or when probable cause or reasonable suspicion is presentconsistent with law. Employees should be aware that there is no reasonable expectation of privacy with respect to weapons in the workplace. The City's right to conduct searches includes, but is not limited to, such areas and items as lockers, desks, workstations, purses, briefcases, bags, and toolboxes, and lunch bags. Searches of the employee's work area and belongings, as described above, *may* be conducted by the employee's supervisor and another member of management. Searches of all types, including surrounding City property, personal property and the employee may be conducted by law enforcement in accordance with lawshould reasonable suspicion be present. Any weapon found in violation of this Policy may be confiscated. Refusal to permit a search may result in discipline up to an including discharge.

*Visitor Violations*
Visitors to posted no-carry City facilities are not allowed to carry a weapon on the premises. If a visitor does bring a weapon into a City facility a determination will need to be made as to the level of risk the visitor carries.

Any visitor carrying a weapon into a posted no-carry City facility is creating an elevated risk to security and safety that warrants a response leading to compliance with the law. If the visitor poses an immediate risk to security or safety the Police Department should be notified immediately by calling 9-911. The visitor should be considered an immediate risk to safety and security if he/she is acting in an aggressive, belligerent, confrontational, suspicious or in an otherwise questionable manner while carrying a weapon.

## *Anti-Retaliation Provision*

No employee or City official may retaliate against an employee who has reported a possible violation of this policy.

### *Roles and Responsibilities*

Employees are responsible for understanding and complying with the Policy Prohibiting Firearms and Dangerous Weapons in the Workplace. Whenever there is a question as to whether an instrument, article or substance is considered a weapon in violation of this policy, it is the employee's responsibility to seek clarification. Employees seeking clarification should direct their questions to their Department Head or the City's Security Operations Manager at 286-2145 prior to bringing the item(s) to City work sites and events, as well as City-owned or leased facilities or vehicles.

City departments shall ensure that employees complete a statement acknowledging receipt and understanding of this policy.

175232

**PRE-DEMOLTION INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**Two Family Dwelling**
**2735-37 North 10th 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.: 18-400-024.2735-37**
**Inspector: Jazmin Spears**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**November 2018**

**Signature Page**
Pre-Demolition Inspection Report
Two Family Dwelling
2735-37 North 10th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Jazmin Spears
Asbestos Inspector No. AII – 111055
Expiration Date: 8/10/19
Harenda Management Group

November 20, 2018

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

RE: Pre-Demolition Inspection Report
2735-37 North 10th Street
Milwaukee, WI

Harenda Management Group has completed the pre-demolition inspection at 2735-37 North 10th Street, Milwaukee, Wisconsin, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2735-37 North 10th Street, Milwaukee, Wisconsin, prior to demolition. HMG conducted a visual inspection for asbestos. HMG collected asbestos bulk samples for laboratory analysis.

Asbestos was detected above 1% in 2nd floor linoleum sampled during the inspection. Asbestos was assumed to be in the asphalt roofing and floor tile/mastic. Results are in Section IV of this report.

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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 two family dwelling at 2735-37 North 10th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl, asphalt, and wood siding with asphalt roofing.

## II. ASEBSTOS INSPECTION

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 September 24, 2018, HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2735-37 North 10th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing 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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper insulation
- Blown in insulation
- Drywall/joint compound
- Window glazing compound
- Asphalt shingle siding
- Linoleum
- Plaster
- Floor tile
- Asphalt roofing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – east wall under wood siding – paper insulation | Negative | MPI |
| 2 | Exterior – south wall under wood siding – paper insulation | Negative | MPI |
| 3 | Exterior – north wall under wood siding – paper insulation | Negative | MPI |
| 4 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 5 | 1st floor – kitchen – on floor – blown in insulation | Negative | MBI |
| 6 | 2nd floor – kitchen – on floor – blown in insulation | Negative | MBI |
| 7 | 1st floor – dining room – on east wall – white mastic | Negative | MPMw |
| 8 | 1st floor – living room – on south wall – white mastic | Negative | MPMw |
| 9 | 2nd floor – living room – on south wall – white mastic | Negative | MPMw |
| 10a | 1st floor – living room – east wall – joint compound | Negative | MDW |
| 10b | 1st floor – living room – east wall – drywall | Negative | MDW |
| 11 | 2nd floor – dining room – north wall – drywall | Negative | MDW |
| 12a | 2nd floor – bathroom – south wall – joint compound | Negative | MDW |
| 12b | 2nd floor – bathroom – south wall – drywall | Negative | MDW |
| 13 | 1st floor – living room – on south window – glazing compound | Negative | MPG |
| 14 | 2nd floor – north room – on north window – glazing compound | Negative | MPG |
| 15 | 1st floor – living room – on south window – glazing compound | Negative | MPG |
| 16a | Exterior – east wall under vinyl siding – asphalt shingle siding | Negative | MSS |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 16b | Exterior – east wall under asphalt shingle siding – fiberboard layer | Negative | MSS |
| 17a | Exterior – south wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 17b | Exterior – south wall under asphalt shingle siding – fiberboard layer | Negative | MSS |
| 18a | Exterior – north wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 18b | Exterior – north wall under asphalt shingle siding – fiberboard layer | Negative | MSS |
| 19a | 2nd floor – living room – south side under floor tile – brown and tan linoleum | Negative | MFLnt |
| 19b | 2nd floor – living room – south side under brown and tan linoleum – tan mastic | Negative | MFLnt |
| 20a | 2nd floor – living room – west side under floor tile – brown and tan linoleum | Negative | MFLnt |
| 20b | 2nd floor – living room – west side under brown and tan linoleum – tan mastic | Negative | MFLnt |
| 21a | 2nd floor – living room – north side under floor tile – brown and tan linoleum | Negative | MFLnt |
| 21b | 2nd floor – living room – north side under brown and tan linoleum – tan mastic | Negative | MFLnt |
| 22a | 2nd floor – front porch top layer – green linoleum | Negative | MFLg |
| 22b | 2nd floor – front porch top layer – under green linoleum – yellow mastic | Negative | MFLg |
| **22c** | **2nd floor – front porch bottom layer – brown linoleum** | **Positive 20% Chrysotile** | **MFLn** |
| 23a | 1st floor – living room – south wall – plaster skim coat | Negative | SPl |
| 23b | 1st floor – living room – south wall – plaster base coat | Negative | SPl |
| 24a | 1st floor – north room – north wall – plaster skim coat | Negative | SPl |
| 24b | 1st floor – north room – north wall – plaster base coat | Negative | SPl |
| 25a | 1st floor – northwest room – east wall – plaster skim coat | Negative | SPl |
| 25b | 1st floor – northwest room – east wall – plaster base coat | Negative | SPl |
| 26a | 1st floor – west room – west wall – plaster skim coat | Negative | SPl |
| 26b | 1st floor – west room – west wall – plaster base coat | Negative | SPl |
| 27a | 2nd floor – dining room – south wall – plaster skim coat | Negative | SPl |
| 27b | 2nd floor – dining room – south wall – plaster base coat | Negative | SPl |
| 28a | 2nd floor – north room – north wall – plaster skim coat | Negative | SPl |
| 28b | 2nd floor – north room – north wall – plaster base coat | Negative | SPl |
| 29a | 2nd floor – north room – north wall – plaster skim coat | Negative | SPl |
| 29b | 2nd floor – kitchen – east wall – plaster base coat | Negative | SPl |

One (1) of the materials sampled contains greater than 1% asbestos and is an asbestos containing material (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Brown Linoleum | MFLn | 2nd Floor Front Porch Bottom Layer | 40 SF | Poor |

**Assumed Category I Non-Friable Asbestos Containing Material:**

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Floor Tile & Mastic | 2nd Floor Bathroom | 40 SF | Poor |
| Asphalt Shingles & Roof Flashing | House & Shed Roof s | 1,500 SF | Poor |

**Note #1:** The brown linoleum is a friable asbestos containing material. Under NR 447 of the Wisconsin Administrative Code it is defined as a regulated asbestos containing material (RACM. NR 447.08 requires the building owner or operator to remove all RACM from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the brown linoleum be abated by a Wisconsin certified asbestos company prior to demolition.

Asphalt roofing and floor tile/mastic are category I non friable asbestos containing materials and were not in a friable condition at the time of the inspection. Under NR 447 they need not be removed before demolition if the demolition debris will be disposed at a Wisconsin licensed landfill.

**Note#2:** Category I – Non-Friable Asbestos Containing Materials may become RACM during mechanical demolition activities or maybe considered friable prior to demolition activities due to its condition at time of demolition.

**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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MPI | Paper Insulation |
| MBI | Blown in Insulation |
| MPMw | White Wall Panel Mastic |
| MDW | Drywall/Joint Compound |
| MPG | Glazing Compound |
| MSS | Asphalt Shingle Siding |
| MFLnt | Brown & Tan Linoleum |
| MFLg | Green Linoleum |
| MFLn | Brown Linoleum |

## V. EXCLUSIONS

**Basement and attic fire damaged and not accessible Floors covered with fire debris and only partially accessible. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

# VIII. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300419
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/23/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 002 | 2 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 003 | 3 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 004 | 4 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |
| 005 | 5 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |
| 006 | 6 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |
| 007 | 7 | Homogeneous | White Caulk | Asbestos Not Present | NA | | CaCO3 Binder |

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

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

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | White Caulk | Asbestos Not Present | NA | | CaCO3 Binder |
| 009 | 9 | Homogeneous | White Caulk | Asbestos Not Present | NA | | CaCO3 Binder |
| 010 | 10 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 Gypsum |
| 010a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 15 | Gypsum |
| 011 | 11 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 15 | Gypsum |
| 012 | 12 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 Gypsum |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 012a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 15 | Gypsum |
| 013 | 13 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 014 | 14 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 015 | 15 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 016 | 16 | Layered | Green Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 016a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 017 | 17 | Layered | Green Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |

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Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 017a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 018 | 18 | Layered | Green Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 018a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 019 | 19 | Layered | Brown Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 019a | | Layered | Tan Mastic | Asbestos Not Present | NA | | Glue |
| 020 | 20 | Layered | Tan Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 020a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |
| 021 | 21 | Layered | Tan Sheet Vinyl | Asbestos Not Present | Cellulose 20 | CaCO3 Vinyl |
| 021a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |
| 022 | 22 | Layered | Gray Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3 Vinyl |
| 022a | | Layered | Yellow Mastic | Asbestos Not Present | NA | CaCO3 Glue |
| 022b | | Layered | Brown Sheet Vinyl | Asbestos Present Chrysotile 20 | NA | CaCO3 Vinyl |
| 023 | 23 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |

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Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 023a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose <1 | CaCO3 Sand |
| 024 | 24 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 024a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose <1 | CaCO3 Sand |
| 025 | 25 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 025a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose <1 | CaCO3 Sand |
| 026 | 26 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300419
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/23/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2735

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 026a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | <1 | CaCO3 Sand |
| 027 | 27 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 027a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | <1 | CaCO3 Sand |
| 028 | 28 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 028a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | <1 | CaCO3 Sand |
| 029 | 29 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |

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

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

# Polarized Light Microscopy Asbestos Analysis Report

| | | | |
|---|---|---|---|
| QuanTEM Lab No. | 300419 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 10/08/2018 | | |
| Received By: | Taylor Hooper | | |
| Date Analyzed: | 10/23/2018 | Project: | DNS |
| Analyzed By: | Cassie Sanborn | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2735 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 029a | | Layered | Gray<br>Plaster | Asbestos Not Present | Cellulose | <1 | CaCO3<br>Sand |

Cassie Sanborn

Cassie Sanborn, Analyst

10/23/2018

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.

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

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QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 300419 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2735 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 10/5/18 1700 | FedEx | [signature] | 10-8-18 9:00am |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 300419
Accept Reject

**Project Information**

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

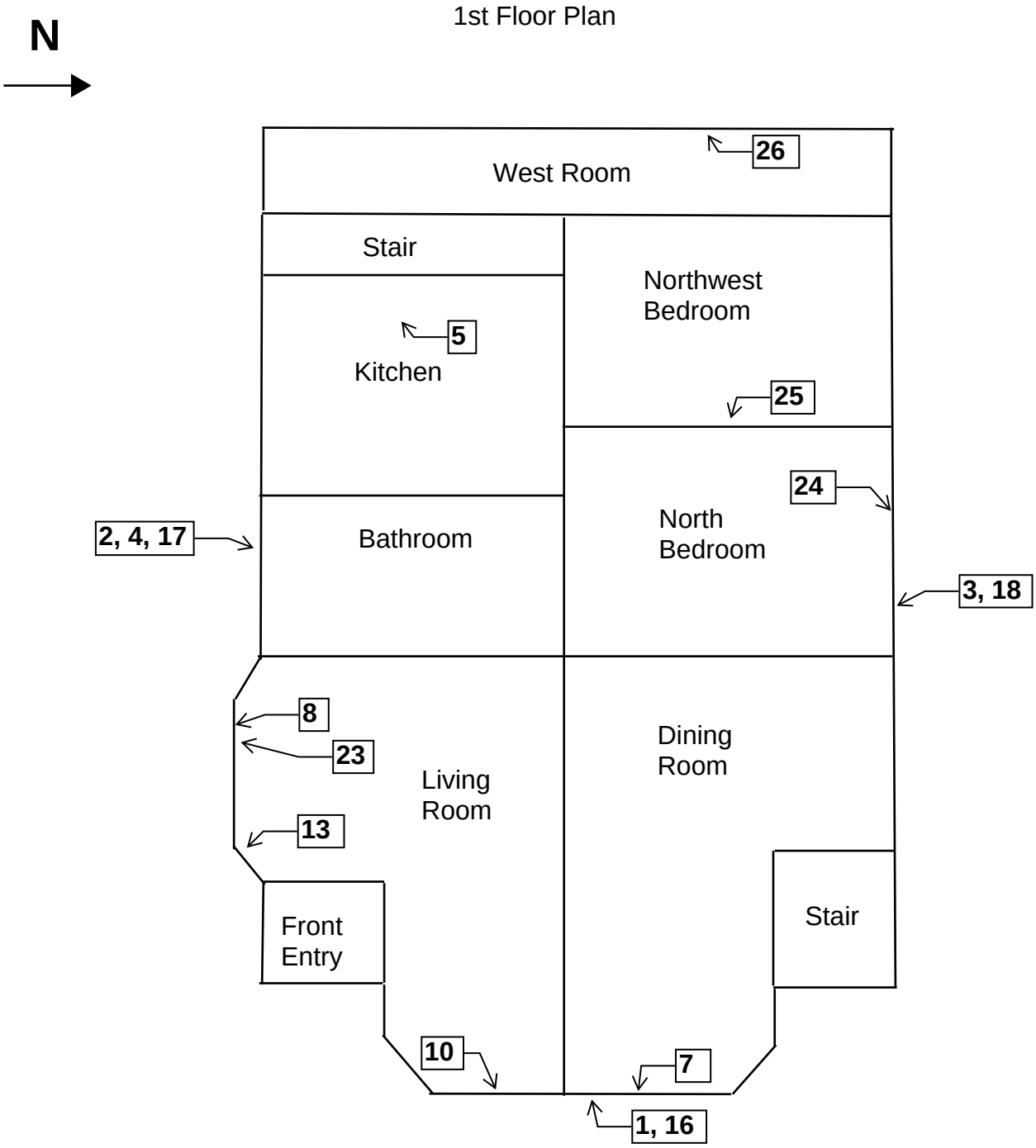
| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☑ | | | | |
| 29 | 29 | ☑ | | | | |
| 30 | | ☐ | | | | |

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

# IX. FLOOR PLANS

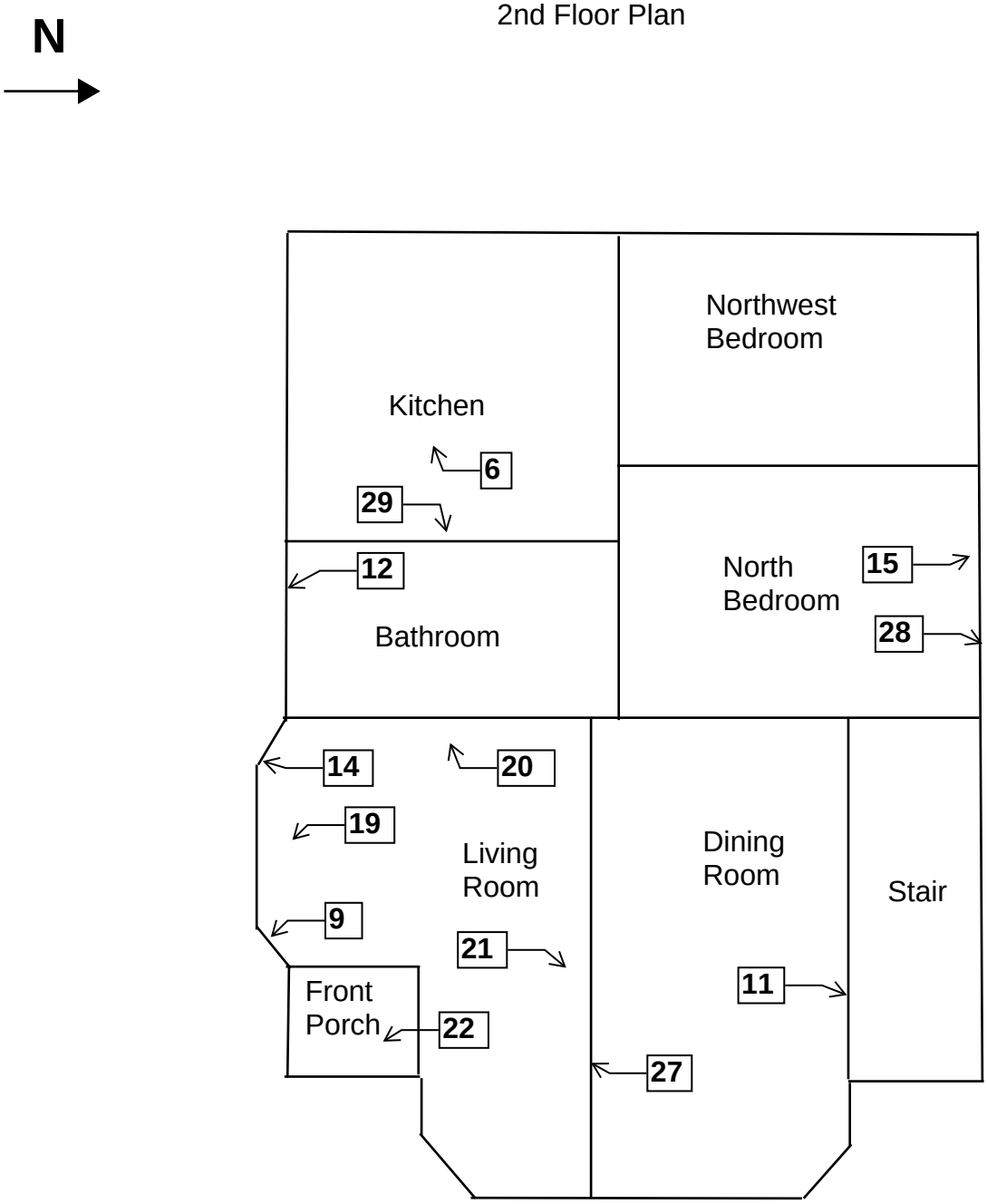
**Two Family Dwelling**
**2735-37 North 10th Street**
**Milwaukee, Wisconsin**

1st Floor Plan



**Two Family Dwelling**
**2735-37 North 10th Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



# X. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

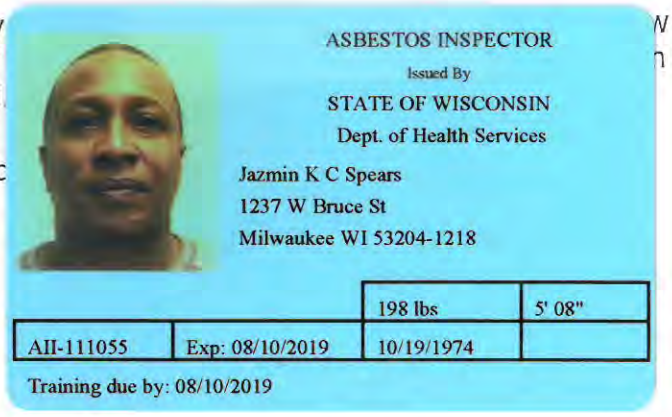
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, y N
professional responsibility. Contact us if n is
below and on the back of your blue card.

The Lead and Asbestos Certification Pro
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**One Family Rear Dwelling**
**2534 North 11th 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.: 18-400-024.2534R**
**Inspector: Dean Jacobsen**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**June 2018**

**Signature Page**
Deconstruction Inspection Report
One Family Rear Dwelling
**2534 North 11th Street**
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

June 5, 2018

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

RE: Deconstruction Inspection Report
2534 North 11th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at the rear dwelling, 2534 North 11th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at the rear dwelling, 2534 North 11th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in window glazing compound and joint compound sampled during the inspection. Asbestos was assumed to be in the roof flashing. Asbestos was detected below 1% in wall panel mastic. Results are in Section IV of this report.

Lead was not detected in paint on the interior basement block. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the one family rear dwelling at 2534 North 11th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 May 15, 2018, HMG conducted an asbestos inspection and lead inspection of a one family rear dwelling, scheduled for deconstruction, located at 2534 North 11th Street, Milwaukee, Wisconsin. The inspection was conducted and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper Insulation
- Caulk
- Glazing compound
- Asphalt roofing
- Tar paper
- Texture
- Drywall/joint compound
- Plaster
- Ceiling tile
- Linoleum
- Ceramic tile
- Blown in Insulation
- Roof flashing

- Flue packing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – west wall under wood siding – tan paper insulation | Negative | MPIt |
| 2 | Exterior – north wall under wood siding – tan paper insulation | Negative | MPIt |
| 3 | Exterior – north wall under wood siding – tan paper insulation | Negative | MPIt |
| 4 | Exterior – north side – plaster debris on ground | Negative | SPl |
| 5 | Exterior – on southeast wall corner – white caulk | Negative | MCLKw |
| 6 | Exterior – on southwest wall corner – white caulk | Negative | MCLKw |
| 7 | Exterior – around south window – white caulk | Negative | MCLKw |
| **8** | **1st floor – west bedroom – on west window – glazing compound** | **Positive 4% Chrysotile** | **MPG** |
| 9 | Attic – on east window – glazing compound | Negative | MPG |
| 10 | Basement – on south window – glazing compound | Negative | MPG |
| 11a | Roof – south porch top layer – on red and brown asphalt shingle – tar | Negative | MRSrn |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 11b | Roof – south porch top layer – red and brown asphalt shingle | Negative | MRSrn |
| 12 | Roof – south porch bottom layer – tar paper | Negative | MPT |
| 13 | Roof – southwest top layer – red asphalt shingle | Negative | MRSr |
| 14 | Roof – southeast top layer – red asphalt shingle | Negative | MRSr |
| 15 | Roof – north top layer – red asphalt shingle | Negative | MRSr |
| 16 | Roof – southwest 2nd layer – green asphalt shingle | Negative | MRSg |
| 17 | Roof – southeast 2nd layer – green asphalt shingle | Negative | MRSg |
| 18 | Roof – north 2nd layer – green asphalt shingle | Negative | MRSg |
| 19 | Roof – southwest 3rd layer – red asphalt shingle #2 | Negative | MRSr2 |
| 20 | Roof – southeast 3rd layer – red asphalt shingle #2 | Negative | MRSr2 |
| 21 | Roof – north 3rd layer – red asphalt shingle #2 | Negative | MRSr2 |
| 22 | Roof – southwest bottom layer – green asphalt shingle #2 | Negative | MRSg2 |
| 23 | Roof – southeast bottom layer – green asphalt shingle #2 | Negative | MRSg2 |
| 24 | Roof – north bottom layer – green asphalt shingle #2 | Negative | MRSg2 |
| 25 | Roof – east addition top layer – red and blue asphalt shingle | Negative | MRSrb |
| 26 | Roof – east addition 2nd layer – gray asphalt shingle | Negative | MRSy |
| 27 | Roof – east addition bottom layer – tar paper #2 | Negative | MPT2 |
| 28 | 1st floor – living room – on center ceiling – texture | Negative | STX |
| 29 | 1st floor – living room – on west ceiling – texture | Negative | STX |
| 30 | 1st floor – living room – on north ceiling – texture | Negative | STX |
| 31 | 1st floor – living room – ceiling – drywall | Negative | MDW |
| 32 | 1st floor – living room – on north wall – texture #2 | Negative | STX2 |
| 33 | 1st floor – living room – on west wall – texture #2 | Negative | STX2 |
| 34 | 1st floor – living room – on east wall – texture #2 | Negative | STX2 |
| 35a | 1st floor – west bedroom – north wall – plaster skim coat | Negative | SPl |
| 35b | 1st floor – west bedroom – north wall – plaster base coat | Negative | SPl |
| 36a | 1st floor – bathroom – south wall – plaster skim coat | Negative | SPl |
| 36b | 1st floor – bathroom – south wall – plaster base coat | Negative | SPl |
| 37 | 1st floor – east bedroom – west wall – plaster | Negative | SPl |
| 38 | Attic – stair – west wall – plaster | Negative | SPl |
| 39 | Basement – stair – west wall – plaster | Negative | SPl |
| 40 | 1st floor – west bedroom – east side – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 41 | 1st floor – west bedroom – west side – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 42 | 1st floor – east bedroom – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 43 | 1st floor – west bedroom closet – brown and tan linoleum | Negative | MFLnt |
| 44 | 1st floor – bathroom top layer – beige linoleum | Negative | MFLe |
| 45 | 1st floor – bathroom bottom layer – beige and brown linoleum | Negative | MFLen |
| 46 | 1st floor – bathroom – on north wall – texture #3 | Negative | STX3 |
| 47 | 1st floor – bathroom – on west wall – texture #3 | Negative | STX3 |
| 48 | 1st floor – bathroom – on south wall – texture #3 | Negative | STX3 |
| 49a | 1st floor – bathroom – on north shelf – white and blue ceramic tile | Negative | MCTMwb |
| 49b | 1st floor – bathroom – on north shelf – under white and blue ceramic tile – yellow mastic | Negative | MCTMwb |
| 50 | 1st floor – bathroom – on north wall under plastic panel – beige mastic | Trace <1% Chrysotile | MPMe |
| 50 | POINT COUNT RESULT | Trace 0.5% Chrysotile | MPMe |
| 51 | 1st floor – bathroom closet – tan/brown/green linoleum | Negative | MFLtng |
| 52a | 1st floor – east bedroom – on south wall under wood panel – yellow mastic | Trace <1% Chrysotile | MPMl |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 52a | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPMl |
| 52b | 1st floor – east bedroom – on south wall under yellow mastic – plaster | Negative | MPMl |
| 53 | 1st floor – kitchen top layer – cream linoleum | Negative | MFLc |
| 54 | 1st floor – kitchen bottom layer – gray and red linoleum | Negative | MFLyr |
| 55 | 1st floor – kitchen – on east wall under wood panel – tan mastic | Negative | MPMt |
| 56a | 1st floor – kitchen – on east wall – white ceramic tile | Negative | MCTMw |
| 56b | 1st floor – kitchen – on east wall – grout | Negative | MCTMw |
| 56c | 1st floor – kitchen – on east wall – under white ceramic tile - yellow mastic | Negative | MCTMw |
| **57a** | **1st floor – kitchen – west wall – joint compound** | **Positive 3% Chrysotile** | **MDW2** |
| **57a** | **POINT COUNT RESULT** | **Positive 1.5% Chrysotile** | **MDW2** |
| 57b | 1st floor – kitchen – west wall – drywall #2 | Negative | MDW2 |
| **58a** | **1st floor – kitchen – ceiling – joint compound** | **Positive 3% Chrysotile** | **MDW2** |
| **58a** | **POINT COUNT RESULT** | **Positive 1.5% Chrysotile** | **MDW2** |
| 58b | 1st floor – kitchen – ceiling – drywall #2 | Negative | MDW2 |
| 59a | 1st floor – kitchen – north wall – joint compound | Negative | MDW2 |
| 59b | 1st floor – kitchen – north wall – drywall #2 | Negative | MDW2 |
| 60a | 1st floor – stair to attic – on landing north side – top layer – brown linoleum | Negative | MFLn |
| 60b | 1st floor – stair to attic – on landing north side – bottom layer – gray linoleum | Negative | MFLy |
| 61 | 1st floor – stair to attic – on landing south side – tan and red linoleum | Negative | MFLtr |
| 62 | Attic – stair – on steps – gray and brown linoleum | Negative | MFLyr |
| 63 | Attic – northwest on floor – blown in insulation | Negative | MBI |
| 64a | Basement – on chimney – flue packing top layer | Negative | TFP |
| 64b | Basement – on chimney – flue packing bottom layer | Negative | TFP |

Two (2) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Window Glazing Compound | MPG | Windows on All Floors | 20 Windows | Fair |
| Joint Compound on Drywall #2 | MDW2 | Kitchen Walls & Ceiling | 480 SF | Fair |

**Assumed Asbestos Containing Materials**

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof Flashing | MRF | Roof at Chimney | 3 SF | Fair |

This material was not accessible at the time of the inspection.

Two of the materials sampled contain less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Beige Wall Panel Mastic | MPMe | Lower 4 Feet of Bathroom Walls Under Plastic Panels | 100 SF | Fair |
| Yellow Wall Panel Mastic | MPMl | East Bedroom Walls Under Wood Panels | 400 SF | Fair |

**Note #1:** The ACMs listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

**Note#2:** The beige wall panel mastic and yellow wall panel mastic contain less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting waste in leak tight asbestos labeled containers

HMG recommends that the beige wall panel mastic and yellow wall panel mastic be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| STX2 | Texture #2 |
| STX3 | Texture #3 |
| MPIt | Tan Paper Insulation |
| MCLKw | White Caulk |
| MPG | Glazing Compound |
| MRSrn | Red & Brown Asphalt Shingle |
| MRSr | Red Asphalt Shingle |
| MRSg | Green Asphalt Shingle |
| MRSr2 | Red Asphalt Shingle #2 |
| MRSg2 | Green Asphalt Shingle #2 |
| MRSrb | Red & Blue Asphalt Shingle |
| MRSy | Gray Asphalt Shingle |
| MPT | Tar Paper |
| MPT2 | Tar Paper #2 |
| MDW | Drywall |
| MDW2 | Drywall/Joint Compound #2 |

**Homogeneous Material Codes**

| | |
|---|---|
| MSCT11 | 1' x 1' Ceiling Tile |
| MFLnt | Brown & Tan Linoleum |
| MFLe | Beige Linoleum |
| MFLen | Beige & Brown Linoleum |
| MFLtng | Tan/Brown/Green Linoleum |
| MFLc | Cream Linoleum |
| MFLyr | Gray & Red Linoleum |
| MFLn | Brown Linoleum |
| MFLy | Gray Linoleum |
| MFLtr | Tan & Red Linoleum |
| MFLyn | Gray & Brown Linoleum |
| MCTMwb | White & Blue Ceramic Tile |
| MCTMw | White Ceramic Tile |
| MPMt | Tan Wall Panel Mastic |
| MPMl | Yellow Wall Panel Mastic |
| MPMe | Beige Wall Panel Mastic |
| MBI | Blown in Insulation |
| TFP | Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2534 North 11th Street rear dwelling, Milwaukee, Wisconsin, took place on May 15, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2534 North 11th Street rear dwelling, Milwaukee, Wisconsin**

- **Painted block walls were observed in the basement. Lead based paint was not detected.**

**Exterior: 2534 North 11th Street rear dwelling, Milwaukee, Wisconsin**

- **Painted masonry surfaces were not observed on the exterior.**

The following are the laboratory results.

**Site: 2534 North 11th Street Rear Dwelling, Milwaukee, Wisconsin Date: 5/15/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Basement | West Wall | Block | Tan | <0.005 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

| | |
|---|---|
| 1 | Old Thermostats – Living Room |
| N/A | Aquastats |
| N/A | Firestats |
| N/A | Manometers |
| N/A | Thermometers |

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

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

**ELECTRICAL SYSTEMS – 1 Breaker Box in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

* 5 Gallons Roof Tar in Basement
* 1 Gas Meter on Exterior

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294420
Account Number: B929
Date Received: 05/16/2018
Received By: Amber Bassett
Date Analyzed: 05/24/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 90 | Binder |
| 002 | 2 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 100 | |
| 003 | 3 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 100 | |
| 004 | 4 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 |
| 005 | 5 | Homogeneous | White Caulk | Asbestos Not Present | NA | | Silicone Binder |
| 006 | 6 | Homogeneous | White Caulk | Asbestos Not Present | NA | | Silicone Binder |
| 007 | 7 | Homogeneous | White Caulk | Asbestos Not Present | NA | | Silicone Binder |

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Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | White Window Glazing | Asbestos Present Chrysotile 4 | NA | CaCO3 |
| 009 | 9 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 010 | 10 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 011 | 11 | Layered | Black Tar | Asbestos Not Present | NA | Tar |
| 011a | | Layered | Brown Roofing | Asbestos Not Present | Cellulose 30 | Tar Sand |
| 012 | 12 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 013 | 13 | Homogeneous | Red Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 014 | 14 | Homogeneous | Red Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 015 | 15 | Homogeneous | Red Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 016 | 16 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 017 | 17 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 018 | 18 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 019 | 19 | Homogeneous | Black Tar | Asbestos Not Present | Cellulose | 5 | Tar |

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Milwaukee, WI 53204

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 020 | 20 | Homogeneous | Red Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 021 | 21 | Homogeneous | Black Roofing | Asbestos Not Present | Cellulose<br>Glass Fiber | 30<br>5 | Tar Sand |
| 022 | 22 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 023 | 23 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 024 | 24 | Homogeneous | Black Roofing | Asbestos Not Present | Cellulose | 70 | Tar |
| 025 | 25 | Homogeneous | Red Roofing | Asbestos Not Present | Glass Fiber | 30 | Tar Sand |

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Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 026 | 26 | Homogeneous | Gray Roofing | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 027 | 27 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 028 | 28 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 029 | 29 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 030 | 30 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 031 | 31 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 032 | 32 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |

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Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 033 | 33 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 034 | 34 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 035 | 35 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Paint |
| 035a | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 036 | 36 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Paint |
| 036a | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |

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

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 037 | 37 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 038 | 38 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 039 | 39 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 040 | 40 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |
| 041 | 41 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |
| 042 | 42 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Paint |

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Client: Harenda Management Group
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Milwaukee, WI 53204

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 043 | 43 | Homogeneous | Red Linoleum | Asbestos Not Present | Cellulose 30 | Tar CaCO3 |
| 044 | 44 | Homogeneous | Beige Flooring | Asbestos Not Present | NA | Vinyl CaCO3 |
| 045 | 45 | Homogeneous | Yellow Linoleum | Asbestos Not Present | Cellulose 30 | Tar Vinyl |
| 046 | 46 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Perlite Paint |
| 047 | 47 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Perlite Paint |
| 048 | 48 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Perlite Paint |

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Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 049 | 49 | Layered | White<br>Ceramic Tile | Asbestos Not Present | NA | Clay |
| 049a | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | Glue |
| 050 | 50 | Homogeneous | Yellow<br>Mastic | Asbestos Present<br>Chrysotile <1 | Talc <1 | Binder<br>Talc |
| 051 | 51 | Homogeneous | Tan<br>Linoleum | Asbestos Not Present | Cellulose 30 | Tar<br>Vinyl |
| 052 | 52 | Layered | Yellow<br>Mastic | Asbestos Present<br>Chrysotile <1 | NA | Glue |
| 052a | | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Paint |
| 053 | 53 | Layered | Beige<br>Sheet Vinyl | Asbestos Not Present | Cellulose 25 | Vinyl |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294420
Account Number: B929
Date Received: 05/16/2018
Received By: Amber Bassett
Date Analyzed: 05/24/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 054 | 54 | Homogeneous | Multi-Color Linoleum | Asbestos Not Present | Cellulose 30 | Tar CaCO3 |
| 055 | 55 | Homogeneous | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 056 | 56 | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay |
| 056a | | Layered | Gray Grout | Asbestos Not Present | NA | CaCO3 |
| 056b | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 057 | 57 | Layered | White Joint Compound | Asbestos Present Chrysotile 3 | NA | CaCO3 |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294420
Account Number: B929
Date Received: 05/16/2018
Received By: Amber Bassett
Date Analyzed: 05/24/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 057a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 058 | 58 | Layered | White Joint Compound | Asbestos Present Chrysotile 3 | NA | | CaCO3 |
| 058a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 059 | 59 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 059a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 5 | Gypsum |
| 060 | 60 | Layered | Brown Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |
| 060a | | Layered | Green Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294420
Account Number: B929
Date Received: 05/16/2018
Received By: Amber Bassett
Date Analyzed: 05/24/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: dns
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 061 | 61 | Homogeneous | Brown Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |
| 062 | 62 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |
| 063 | 63 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 064 | 64 | Layered | Black Stucco | Asbestos Not Present | NA | | Sand CaCO3 |
| 064a | | Layered | Gray Stucco | Asbestos Not Present | NA | | Sand CaCO3 |

Cristal Veech, Analyst

5/24/2018
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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# 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. 294420 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2534R |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 5/15/18 1700 | FedEx | Amber Bassett 10:40 | 5-16-18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 294420
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☒ | | | | |

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For Lab Use Only
Lab No. 294420
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☒ | | | | |
| 50 | 50 | ☑ | | | | |

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



| For Lab Use Only |
|---|
| Lab No. 294420 |
| Accept 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 |
|---|---|---|---|---|---|---|
| 51 | 51 | ☒ | | | | |
| 52 | 52 | ☐ | | | | |
| 53 | 53 | ☐ | | | | |
| 54 | 54 | ☐ | | | | |
| 55 | 55 | ☐ | | | | |
| 56 | 56 | ☐ | | | | |
| 57 | 57 | ☐ | | | | |
| 58 | 58 | ☐ | | | | |
| 59 | 59 | ☐ | | | | |
| 60 | 60 | ☐ | | | | |
| 61 | 61 | ☐ | | | | |
| 62 | 62 | ☐ | | | | |
| 63 | 63 | ☐ | | | | |
| 64 | 64 | ☑ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294805
Account Number: B929
Date Received: 05/25/2018
Received By: Katie Davis
Date Analyzed: 05/31/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS, 400 PTCT for 294420
Project Location: Milwaukee, WI
Project Number: 18-400-024.2534R

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 50 | Homogeneous | Yellow Mastic | Asbestos Present<br>Chrysotile 0.50<br>400 Point Count | NA | |
| 002 | 52 | Homogeneous | Yellow Mastic | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 003 | 57 | Homogeneous | White Joint Compound | Asbestos Present<br>Chrysotile 1.50<br>400 Point Count | NA | |
| 004 | 58 | Homogeneous | White Joint Compound | Asbestos Present<br>Chrysotile 1.50<br>400 Point Count | NA | |

Cristal Veech
Cristal Veech, Analyst

5/31/2018
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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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 294805
Accept Reject

| Contact Information | | | |
|---|---|---|---|
| Company: Harenda Management Group | Phone: (414) 383-4800 | Project Name: DNS | Report Results (☑ one box) |
| Contact: Dean Jacobsen | Cell Phone: | Project Location: Milwaukee, WI | ☑ QuanTEM Website |
| Account #: B929 | E-mail: djacobsen@harenda.com | Project ID: 18-400-024.2534R | ☐ Other email |
| SAMPLED BY: Name: | Date: | P.O. Number: | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 5/25/18 8:50 | Email | [signature] | 5/25/18 8:50 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 50 | ☑ | | | | Quantem Lab No. 294420 |
| 2 | 52 | ☑ | | Yellow mastic | | |
| 3 | 57 | ☑ | | joint compound | | |
| 4 | 58 | ☑ | | joint compound | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 294410
**Date Received:** 05/16/18
**Received By:** Amber Bassett
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 05/21/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2534R

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | <0.00500 | 0.005 | % | 05/16/18 15:59 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



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| For Lab Use Only | |
|---|---|
| Lab No. 294410 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2534R |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 5/15/18 1700 | FedEx | Amber Bassett 10:40 | 5-16-18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✓ | 3 - Day |
| | 5 - Day |

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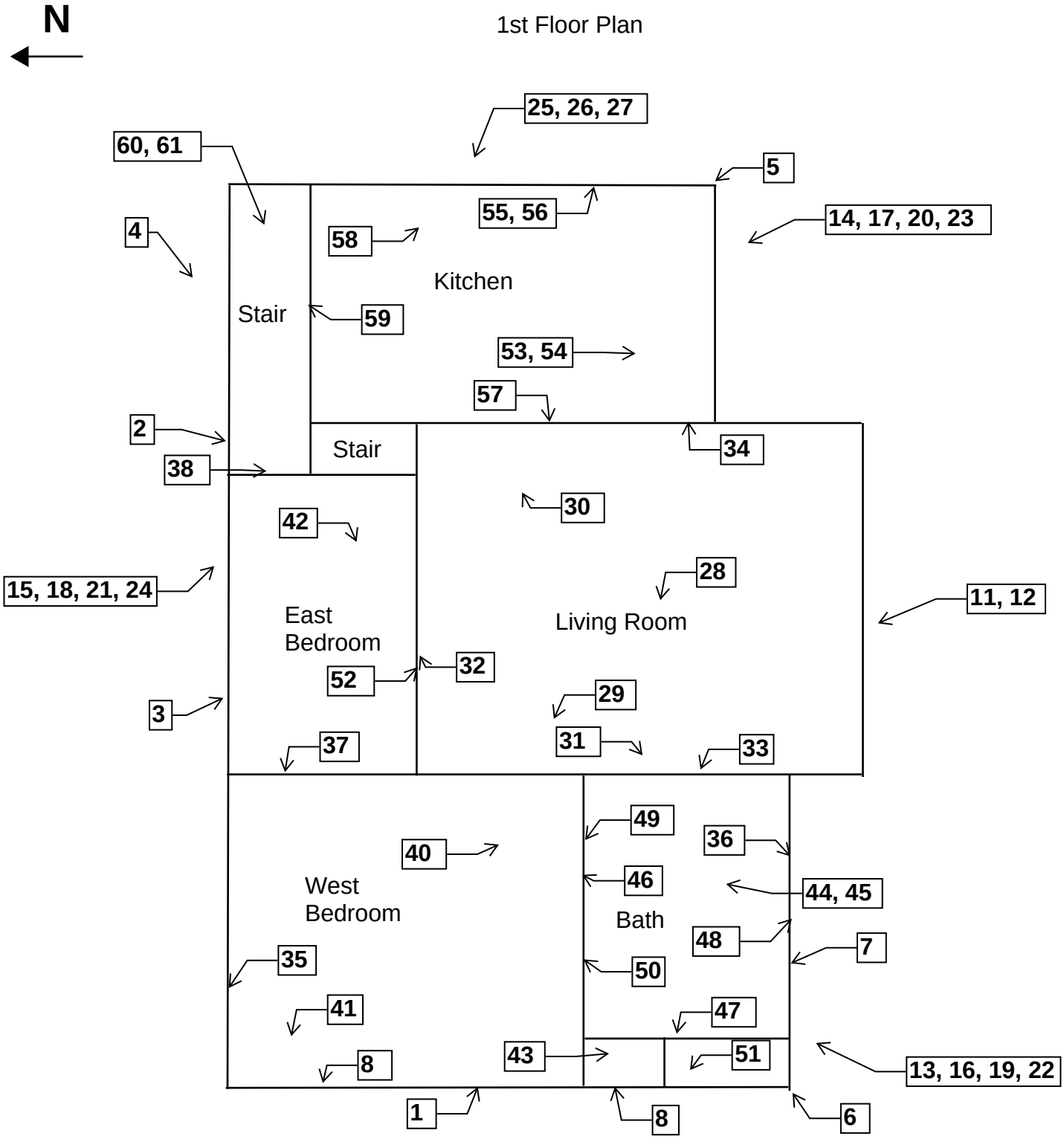
# XI. FLOOR PLANS

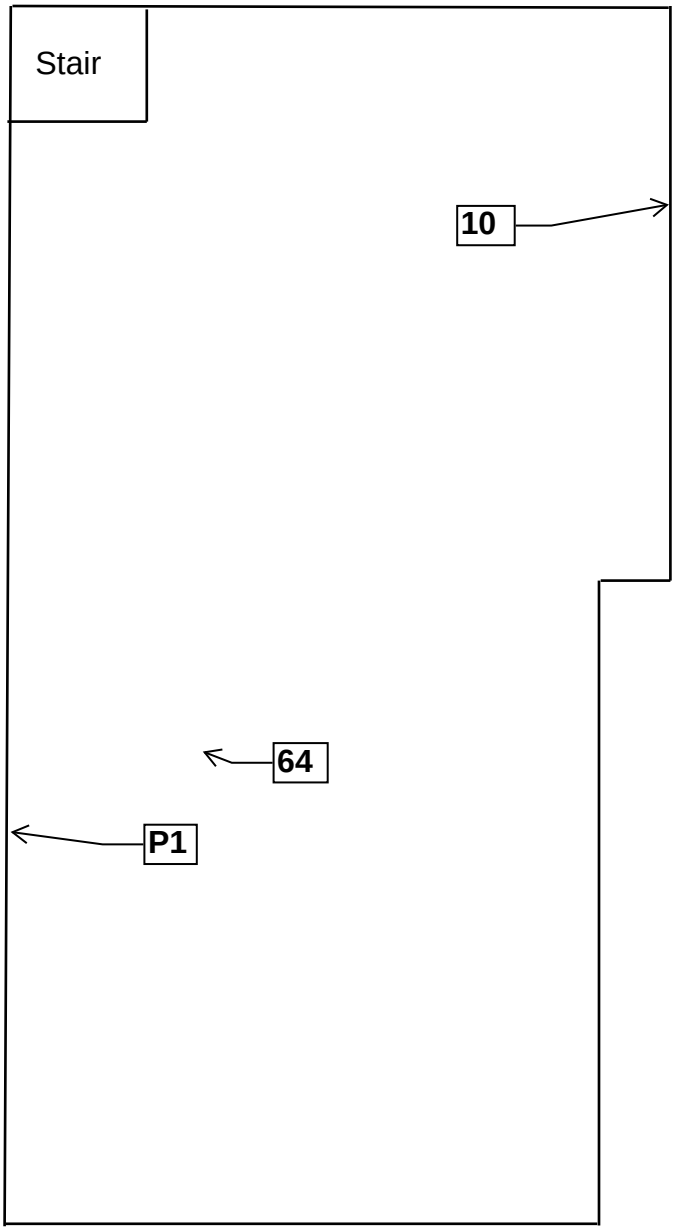
**One Family Rear Dwelling**
**2534 North 11th Street**
**Milwaukee, Wisconsin**



**One Family Rear Dwelling**
**2534 North 11th Street**
**Milwaukee, Wisconsin**

**N**

Basement Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

December 15, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

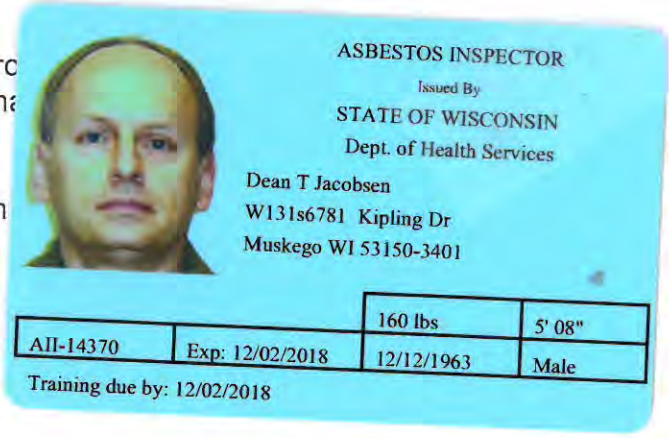
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2537-39 North 11th 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.: 18-400-024.2537-39**
**Inspector: Damian Rogowski**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**August 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2537-39 North 11th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Damian Rogowski
Asbestos Inspector No. AII – 161300
Expiration Date: 3/19/19
Harenda Management Group

August 6, 2018

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

RE: Deconstruction Inspection Report
2537-39 North 11th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2537-39 North 11th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2537-39 North 11th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in garage transite, 1st floor bathroom floor tile, 2nd floor bathroom linoleum, front porch asphalt roofing, and flue packing sampled during the inspection. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on exterior brick walls, and interior basement brick walls and floor. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling and garage at 2537-39 North 11th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has aluminum, asphalt, and wood siding with asphalt roofing. The garage has vinyl and wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 2, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling and garage, scheduled for deconstruction, located at 2537-39 North 11th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Tar paper
- Transite siding
- Asphalt roof shingle
- Caulk
- Ceramic tile
- Window glazing compound
- Floor tile
- Linoleum
- Drywall/joint compound
- Ceiling tile
- Plaster

- Asphalt rolled roofing
- Texture
- Blown in insulation
- Flue packing
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section IX.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Garage Roof – top layer northeast – gray asphalt shingle | Negative | MRSy |
| 2a | House Roof – top layer south – gray asphalt shingle | Negative | MRSy |
| 2b | House Roof – 2nd layer south – green asphalt shingle | Negative | MRSg |
| 3 | Garage Roof – top layer southeast – gray asphalt shingle | Negative | MRSy |
| 4 | Garage Roof – bottom layer northeast – tar paper | Negative | MPT |
| 5 | House Roof – bottom layer south – tar paper | Negative | MPT |
| 6 | Garage Roof – bottom layer southeast – tar paper | Negative | MPT |
| **7** | **Garage – interior in debris pile – transite siding** | **Positive 25% Chrysotile** | **MTP** |
| **8** | **Garage – interior in debris pile – transite siding** | **Positive 25% Chrysotile** | **MTP** |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **9** | **Garage – interior in debris pile – transite siding** | **Positive 25% Chrysotile** | **MTP** |
| 10 | Garage – interior in debris pile – black asphalt roof shingle | Negative | MRSk |
| 11 | Garage – interior in debris pile – black asphalt roof shingle | Negative | MRSk |
| 12 | Garage – interior in debris pile – black asphalt roof shingle | Negative | MRSk |
| 13 | House Exterior – west wall under aluminum siding – asphalt shingle siding | Negative | MSS |
| 14 | House Exterior – south wall under aluminum siding – asphalt shingle siding | Negative | MSS |
| 15 | House Exterior – east wall under aluminum siding – asphalt shingle siding | Negative | MSS |
| 16 | House Exterior – west wall under wood siding – tar paper #2 | Negative | MPT2 |
| 17 | House Exterior – west wall under wood siding – tar paper #2 | Negative | MPT2 |
| 18 | House Exterior – west wall under wood siding – tar paper #2 | Negative | MPT2 |
| 19 | House Exterior – around east window – yellow caulk | Negative | MCLKl |
| 20 | House Exterior – around south window – yellow caulk | Negative | MCLKl |
| 21 | House Exterior – around north window – yellow caulk | Negative | MCLKl |
| 22 | House Exterior – on east window – brown caulk | Negative | MCLKn |
| 23 | House Exterior – on south window – brown caulk | Negative | MCLKn |
| 24 | House Exterior – on north window – brown caulk | Negative | MCLKn |
| 25a | 1st floor – front entry floor – white ceramic tile | Negative | MCTMw |
| 25b | 1st floor – front entry floor – grout | Negative | MCTMw |
| 26a | 1st floor – living room – at fireplace – multicolored ceramic tile | Negative | MCTMm |
| 26b | 1st floor – living room – at fireplace – grout | Negative | MCTMm |
| 27 | 1st floor – northeast bedroom – on east window – glazing compound | Negative | MPG |
| 28 | 2nd floor – dining room – on south window – glazing compound | Negative | MPG |
| 29 | 2nd floor – kitchen – on south window – glazing compound | Negative | MPG |
| 30 | 1st floor – kitchen – on southeast wall under wood panel – brown mastic | Negative | MPMn |
| 31 | 1st floor – kitchen – 12” beige floor tile | Negative | MF12e |
| 32 | 1st floor – pantry top layer – 12” beige floor tile | Negative | MF12e |
| 33 | 1st floor – hall – 12” beige floor tile | Negative | MF12e |
| 34 | 1st floor – kitchen – on west wall – wall paper | Negative | MWP |
| 35a | 1st floor – kitchen – on north wall – blue linoleum | Negative | MFLb |
| 35b | 1st floor – kitchen – on north wall – under blue linoleum – brown mastic | Negative | MFLb |
| 36 | 1st floor – pantry 2nd layer – 12” brown floor tile | Negative | MF12n |
| 37a | 1st floor – bathroom – west wall – joint compound | Negative | MDW |
| 37b | 1st floor – bathroom – west wall – drywall | Negative | MDW |
| 38a | 2nd floor – dining room – east wall – joint compound | Negative | MDW |
| 38b | 2nd floor – dining room – east wall – drywall | Negative | MDW |
| 39 | 1st floor – dining room – east wall – drywall | Negative | MDW |
| 40 | 1st floor – bathroom – 2’ x 4’ pinholed ceiling tile | Negative | MSCT24P |
| 41 | 1st floor – bathroom top layer – 12” green floor tile | Negative | MF12g |
| **42a** | **1st floor – bathroom 3rd layer – 12” white floor tile** | **Positive 4% Chrysotile** | **MF12w** |
| 42b | 1st floor – bathroom 4th layer – yellow linoleum | Negative | MFLl |
| 42c | 1st floor – bathroom 4th layer – under yellow linoleum – brown mastic | Negative | MFLl |
| 43 | 2nd floor – kitchen top layer – beige linoleum | Negative | MFLe |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 44 | 2nd floor – hall top layer – beige linoleum | Negative | MFLe |
| 45 | 2nd floor – pantry top layer – beige linoleum | Negative | MFLe |
| 46 | 2nd floor – kitchen 3rd layer – 12” tan floor tile | Negative | MF12t |
| 47 | 2nd floor – hall 3rd layer – 12” tan floor tile | Negative | MF12t |
| 48 | 2nd floor – pantry 3rd layer – 12” tan floor tile | Negative | MF12t |
| **49** | **2nd floor – bathroom 3rd layer – gold linoleum** | **Positive 25% Chrysotile** | **MFLd** |
| 50a | 2nd floor – living room – south wall – joint compound layer | Negative | SPl |
| 50b | 2nd floor – living room – south wall – plaster | Negative | SPl |
| 51 | 2nd floor – dining room – east wall – plaster | Negative | SPl |
| 52a | 2nd floor – rear stair – south wall – joint compound layer | Negative | SPl |
| 52b | 2nd floor – rear stair – south wall – plaster | Negative | SPl |
| 53 | 1st floor – northwest bedroom – west wall – plaster | Negative | SPl |
| 54 | 1st floor – north center bedroom – east wall – plaster | Negative | SPl |
| 55a | 1st floor – kitchen – east wall – joint compound layer | Negative | SPl |
| 55b | 1st floor – kitchen – east wall – plaster | Negative | SPl |
| 56a | 2nd floor – front stair landing – top layer – 12” brown and tan floor tile | Negative | MF12nt |
| 56b | 2nd floor – front stair landing – top layer – under 12” brown and tan floor tile – yellow mastic | Negative | MF12nt |
| 56c | 2nd floor – front stair landing – bottom layer – 12” orange floor tile | Negative | MF12o |
| 56d | 2nd floor – front stair landing – bottom layer – under 12” orange floor tile – yellow mastic | Negative | MF12o |
| 57 | 2nd floor – northeast bedroom – in southwest corner – green linoleum | Negative | MFLg |
| 58a | House exterior – roof over front porch – top layer – black asphalt rolled roofing | Negative | MRRk |
| 58b | House exterior – roof over front porch – 2nd layer – tar | Negative | MTar |
| 58c | House exterior – roof over front porch – bottom layer – black asphalt rolled roofing #2 | Negative | MRRk2 |
| 59 | 1st floor – north center bedroom – on north wall – texture | Negative | STX |
| 60 | 1st floor – living room – on west wall – texture | Negative | STX |
| 61 | 1st floor – hall – on east wall – texture | Negative | STX |
| 62 | 2nd floor – living room – on south wall – texture | Negative | STX |
| 63 | 2nd floor – north center bedroom – on north wall – texture | Negative | STX |
| 64 | 2nd floor – hall – on west wall – texture | Negative | STX |
| 65a | 2nd floor – living room – at fireplace – white and brown ceramic tile | Negative | MCTMwn |
| 65b | 2nd floor – living room – at fireplace – under white and brown ceramic tile – yellow mastic | Negative | MCTMwn |
| 65c | 2nd floor – living room – at fireplace – under yellow mastic – leveling compound | Negative | MCTMwn |
| **66a** | **House exterior – front porch roof – on southeast wall – bottom layer – gray asphalt rolled roofing** | **Negative** | **MRRy** |
| 66b | House exterior – front porch roof – on southeast wall – bottom layer – on gray asphalt rolled roofing – tar | Negative | MTar |
| 66c | House exterior – front porch roof – on southeast wall – top layer – red asphalt rolled roofing | Negative | MRRr |
| 67 | Attic – northeast corner – multicolored linoleum | Negative | MFLm |
| 68 | Attic – north side under floor – blown in insulation | Negative | MBI |
| 69 | Attic – west side under floor – blown in insulation | Negative | MBI |
| 70 | Attic – east side under floor – blown in insulation | Negative | MBI |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 71a | Basement – on chimney – flue packing top layer | Negative | TFP |
| **71b** | **Basement – on chimney – flue packing bottom layer** | **Positive 30% Chrysotile** | **TFP** |

Five (5) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Transite Siding | MTP | Garage Interior in Floor Debris | 200 SF | Poor |
| 12" White Floor Tile | MF12w | 1st Floor Bathroom Under 1 Layer Floor Tile & Plywood | 40 SF | Good |
| Gold Linoleum | MFLd | 2nd Floor Bathroom Under 1 Layer Floor Tile & Plywood | 40 SF | Good |
| Gray Asphalt Rolled Roofing | MRRy | Roof Over Front Porch Bottom Layer on Southeast Wall | 30 SF | Good |
| Flue Packing | TFP | Basement on Chimney | 5 SF | Poor |

## Assumed Asbestos Containing Materials

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | House Roof at Chimneys | 8 SF | Fair |

The flashing was not accessible for sampling.

**Note #1:** The ACMs listed above are friable, category I non friable, category II non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MRSy | Gray Asphalt Shingle |
| MPT | Tar Paper Roof |
| MPT2 | Tar Paper Wall |
| MTP | Transite |
| MSS | Asphalt Shingle Siding |
| MCLKl | Yellow Caulk |
| MCLKn | Brown Caulk |
| MCTMw | White Ceramic Tile |

**Homogeneous Material Codes**

| | |
|---|---|
| MCTMm | Multicolored Ceramic Tile |
| MCTMwn | White & Brown Ceramic Tile |
| MPG | Glazing Compound |
| MPMt | Brown Wall Panel Mastic |
| MF12e | 12” Beige Floor Tile |
| MF12n | 12” Brown Floor Tile |
| MF12g | 12” Green Floor Tile |
| MF12w | 12” White Floor Tile |
| MF12t | 12” Tan Floor Tile |
| MF12nt | 12” Brown & Tan Floor Tile |
| MF12o | 12” Orange Floor Tile |
| MPW | Wall Paper |
| MFLb | Blue Linoleum |
| MFLl | Yellow Linoleum |
| MFLe | Beige Linoleum |
| MFLd | Gold Linoleum |
| MFLg | Green Linoleum |
| MFLm | Multicolored Linoleum |
| MDW | Drywall/Joint Compound |
| MSCT24P | 2’ x 4’ pinholed Ceiling Tile |
| MRRk | Black Asphalt Rolled Roofing |
| MRRk2 | Black Asphalt Rolled Roofing #2 |
| MRRy | Gray Asphalt Rolled Roofing |
| MRRr | Red Asphalt Rolled Roofing |
| MTar | Black Tar |
| MBI | Blown in Insulation |
| TFP | Flue Packing |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2537-39 North 11th Street, Milwaukee, Wisconsin, took place on July 2, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section X.

**Interior: 2537-39 North 11th Street, Milwaukee, Wisconsin**

- **Painted brick and concrete were observed in the basement. Lead based paint was detected.**

**Exterior: 2537-39 North 11th Street, Milwaukee, Wisconsin**

- **Painted brick was observed on exterior walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2537-39 North 11th Street, Milwaukee, Wisconsin Date: 7/2/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | West Wall | Brick | Brown | 0.304 |
| P2 | Basement | West Wall | Brick | White | 0.111 |
| P3 | Basement | West Floor | Concrete | Red | 0.0523 |
| **P4** | **Basement** | **North Wall** | **Brick** | **Green** | **3.56** |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

# VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

2 Old Thermostats – 1st Floor North Center Bedroom, 2nd Floor Dining Room

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS – 3 Breaker Boxes in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

* 2 Gas Meters in Basement

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 002 | 2 | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 002a | | Layered | Green Shingle | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 003 | 3 | Homogeneous | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 004 | 4 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 005 | 5 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 006 | 6 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 007 | 7 | Homogeneous | Gray Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 008 | 8 | Homogeneous | Gray Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 009 | 9 | Homogeneous | Gray Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 010 | 10 | Homogeneous | Black Shingle | Asbestos Not Present | Glass Fiber 35 | Tar Sand |
| 011 | 11 | Homogeneous | Black Shingle | Asbestos Not Present | Glass Fiber 35 | Tar Sand |
| 012 | 12 | Homogeneous | Black Shingle | Asbestos Not Present | Glass Fiber 35 | Tar Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 013 | 13 | Homogeneous | Gray Siding | Asbestos Not Present | Cellulose | 70 | Tar Sand |
| 014 | 14 | Homogeneous | Gray Siding | Asbestos Not Present | Cellulose | 70 | Tar Sand |
| 015 | 15 | Homogeneous | Gray Siding | Asbestos Not Present | Cellulose | 70 | Tar Sand |
| 016 | 16 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 017 | 17 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 018 | 18 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 019 | 19 | Homogeneous | White Caulk | Asbestos Not Present | NA | | CaCO3 Binder |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 020 | 20 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 021 | 21 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 022 | 22 | Homogeneous | Brown Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 023 | 23 | Homogeneous | Brown Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 024 | 24 | Homogeneous | Brown Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 025 | 25 | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 025a | | Layered | Gray Grout | Asbestos Not Present | NA | CaCO3 Sand |
| 026 | 26 | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 026a | | Layered | Gray Grout | Asbestos Not Present | NA | CaCO3 Sand |
| 027 | 27 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 028 | 28 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 029 | 29 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 030 | 30 | Homogeneous | Brown Caulk | Asbestos Not Present | NA | CaCO3 Binder |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 031 | 31 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 032 | 32 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 033 | 33 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 034 | 34 | Homogeneous | Tan Wall Paper | Asbestos Not Present | Cellulose | 60 | Binder |
| 035 | 35 | Layered | Gray Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 035a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296429
Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 036 | 36 | Homogeneous | Brown<br>Floor Tile | Asbestos Not Present | NA | | CaCO3<br>Vinyl |
| 037 | 37 | Layered | White<br>Joint Compound | Asbestos Not Present | NA | | CaCO3<br>Perlite |
| 037a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| 038 | 38 | Layered | White<br>Joint Compound | Asbestos Not Present | NA | | CaCO3<br>Perlite |
| 038a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| 039 | 39 | Homogeneous | White<br>Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| 040 | 40 | Homogeneous | White<br>Ceiling Tile | Asbestos Not Present | Cellulose<br>Glass Fiber | 50<br>30 | Perlite<br>Paint |

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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 041 | 41 | Homogeneous | Green Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 042 | 42 | Layered | Tan Floor Tile | Asbestos Present Chrysotile 4 | NA | CaCO3 Vinyl |
| 042a | | Layered | Yellow Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 042b | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 043 | 43 | Homogeneous | Cream Sheet Vinyl | Asbestos Not Present | Cellulose 20 | CaCO3 Vinyl |
| 044 | 44 | Homogeneous | Cream Sheet Vinyl | Asbestos Not Present | Cellulose 20 | CaCO3 Vinyl |

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 045 | 45 | Homogeneous | Cream<br>Sheet Vinyl | Asbestos Not Present | Cellulose 20 | CaCO3<br>Vinyl |
| 046 | 46 | Homogeneous | Tan<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 047 | 47 | Homogeneous | Tan<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 048 | 48 | Homogeneous | Tan<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 049 | 49 | Homogeneous | Yellow<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 25 | NA | CaCO3<br>Vinyl |
| 050 | 50 | Layered | Tan<br>Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 050a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair <1 | CaCO3<br>Sand |

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QuanTEM Lab No. 296429
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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 051 | 51 | Homogeneous | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand |
| 052 | 52 | Layered | Tan Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 052a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand |
| 053 | 53 | Homogeneous | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Paint |
| 054 | 54 | Homogeneous | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Paint |
| 055 | 55 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 055a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand |
| 056 | 56 | Layered | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 056a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 056b | | Layered | Orange Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 056c | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 057 | 57 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 058 | 58 | Layered | Black Roofing | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929
Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 058a | | Layered | Black Tar | Asbestos Not Present | NA | Tar |
| 058b | | Layered | Black Roofing | Asbestos Not Present | Cellulose 40 | Tar |
| 059 | 59 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 060 | 60 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Gypsum Paint |
| 061 | 61 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 062 | 62 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Gypsum Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 063 | 63 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 064 | 64 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Gypsum Paint |
| 065 | 65 | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 065a | | Layered | Yellow Mastic | Asbestos Not Present | NA | CaCO3 Glue |
| 065b | | Layered | White Joint Compound | Asbestos Not Present | NA | Gypsum |
| 066 | 66 | Layered | Gray Roofing | Asbestos Present Chrysotile 10 | NA | Tar |
| 066a | | Layered | Red Roofing | Asbestos Not Present | Cellulose 30 | Tar Sand |

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Date Received: 07/09/2018
Received By: Travis Miller
Date Analyzed: 07/16/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2537

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 066b | | Layered | Black Tar | Asbestos Not Present | NA | | Tar |
| 067 | 67 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 35 | Vinyl Tar |
| 068 | 68 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 069 | 69 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 070 | 70 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 071 | 71 | Layered | Black Concrete | Asbestos Not Present | NA | | CaCO3 Sand |

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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. | 296429 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 07/09/2018 | | |
| Received By: | Travis Miller | | |
| Date Analyzed: | 07/16/2018 | Project: | DNS |
| Analyzed By: | Dee Ammerman | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2537 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 071a | | Layered | Tan | Asbestos Present | | Cellulose | 60 | Binder |
| | | | Insulation | Chrysotile | 30 | | | |

Dee Am

Dee Ammerman, Analyst

7/16/2018

Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 29429 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2537 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 7/6/18 1700 | FedEx | Jim 18-7-9 9:50 | |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 296429
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☐ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☐ | | | | |

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Lab No. 256429
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☒ | | | | |

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Lab No. 296429
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**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 |
|---|---|---|---|---|---|---|
| 51 | 51 | ☑ | | | | |
| 52 | 52 | ☐ | | | | |
| 53 | 53 | ☐ | | | | |
| 54 | 54 | ☐ | | | | |
| 55 | 55 | ☐ | | | | |
| 56 | 56 | ☐ | | | | |
| 57 | 57 | ☐ | | | | |
| 58 | 58 | ☐ | | | | |
| 59 | 59 | ☐ | | | | |
| 60 | 60 | ☐ | | | | |
| 61 | 61 | ☐ | | | | |
| 62 | 62 | ☐ | | | | |
| 63 | 63 | ☐ | | | | |
| 64 | 64 | ☐ | | | | |
| 65 | 65 | ☐ | | | | |
| 66 | 66 | ☐ | | | | |
| 67 | 67 | ☐ | | | | |
| 68 | 68 | ☐ | | | | |
| 69 | 69 | ☐ | | | | |
| 70 | 70 | ☑ | | | | |

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|---|
| Lab No. 296429 |
| Accept 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 |
|---|---|---|---|---|---|---|
| 71 | 71 | ☒ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |
| 1 | | ☐ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 296423
**Date Received:** 07/09/18
**Received By:** Travis Miller
**Date Sampled:**
**Time Sampled:**
**Analyst:** RD
**Date of Report:** 07/16/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2537

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.304 | 0.00492 | % | 07/13/18 16:09 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.0111 | 0.00499 | % | 07/13/18 16:09 | P EPA 7000B (1) |
| 003 | P3 | Paint | Lead | 0.0523 | 0.00489 | % | 07/13/18 16:09 | P EPA 7000B (1) |
| 004 | P4 | Paint | Lead | 3.56 | 0.00489 | % | 07/13/18 16:09 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



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|---|---|
| Lab No. 296423 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2537 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 7/6/18 1200 | FedEx | [signature] 7-5 9:50 | |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | | | | | | | | | | |
| 3 | P3 | | | | | | | | | | | | | |
| 4 | P4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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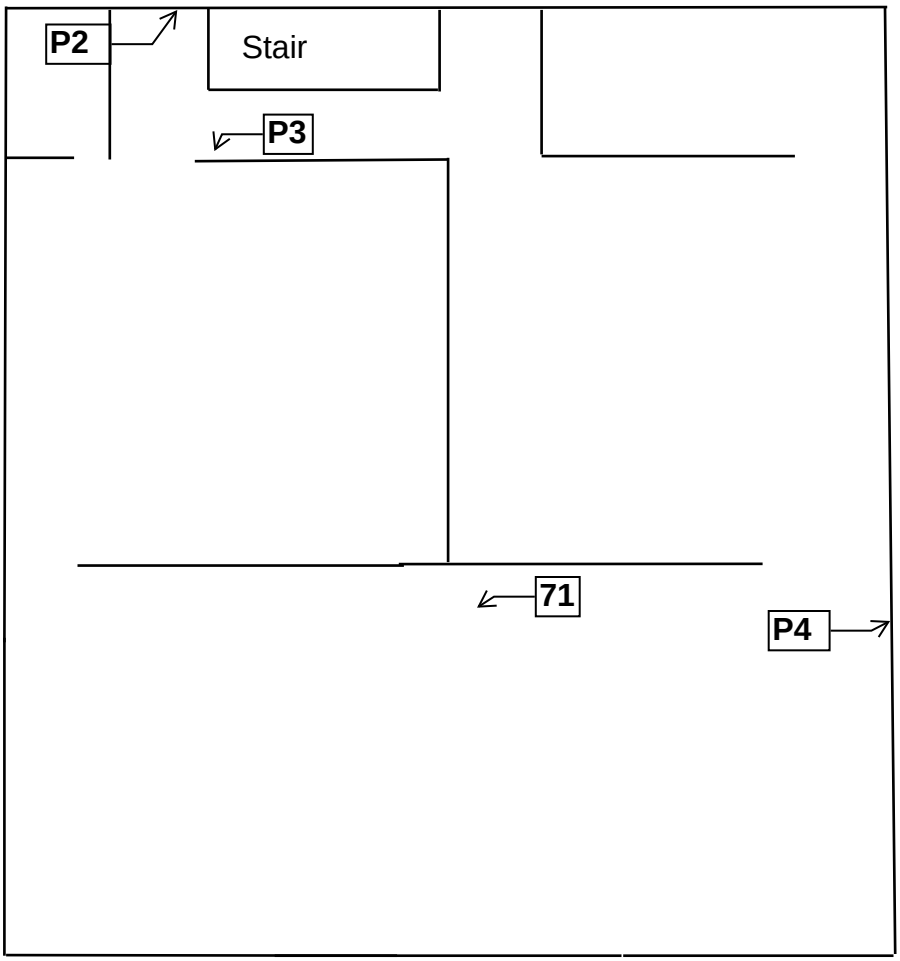
# XI. FLOOR PLANS

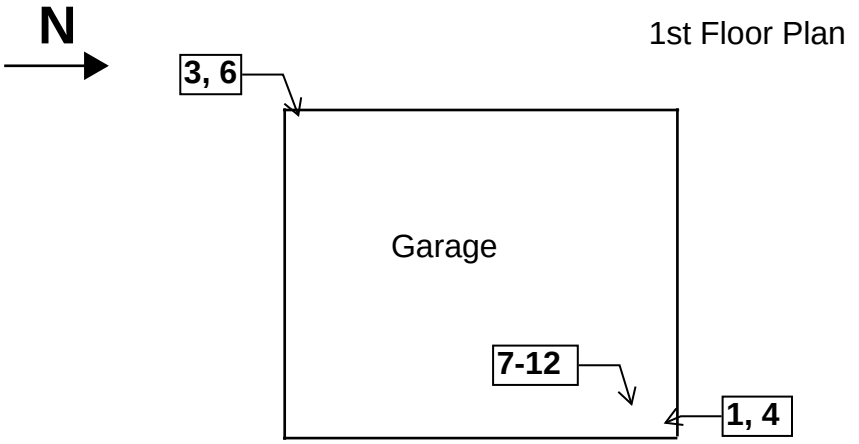
**Two Family Dwelling**
**2537-39 North 11th**
**Milwaukee, Wisconsin**

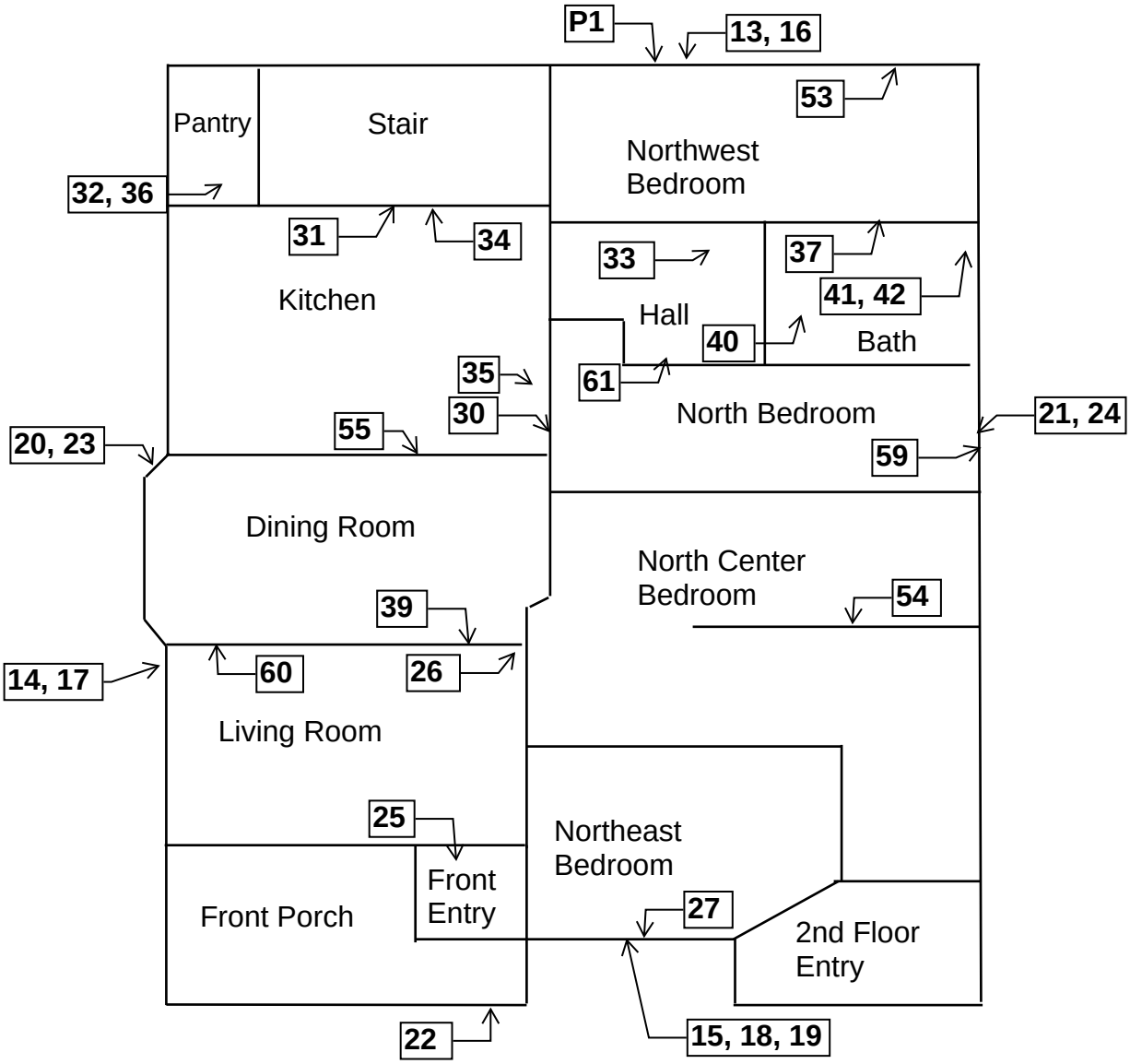
N

Basement Floor Plan



**Two Family Dwelling**
**2537-39 North 11th**
**Milwaukee, Wisconsin**

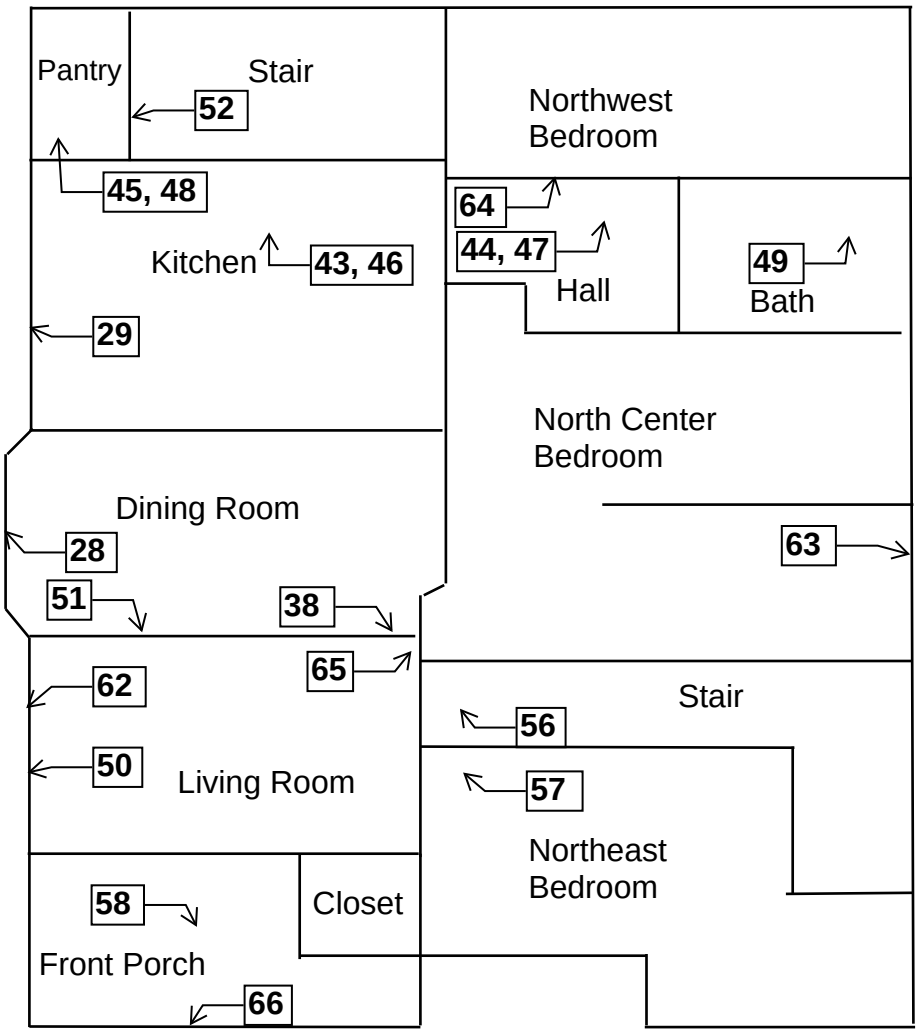


**Two Family Dwelling**
**2537-39 North 11th**
**Milwaukee, Wisconsin**

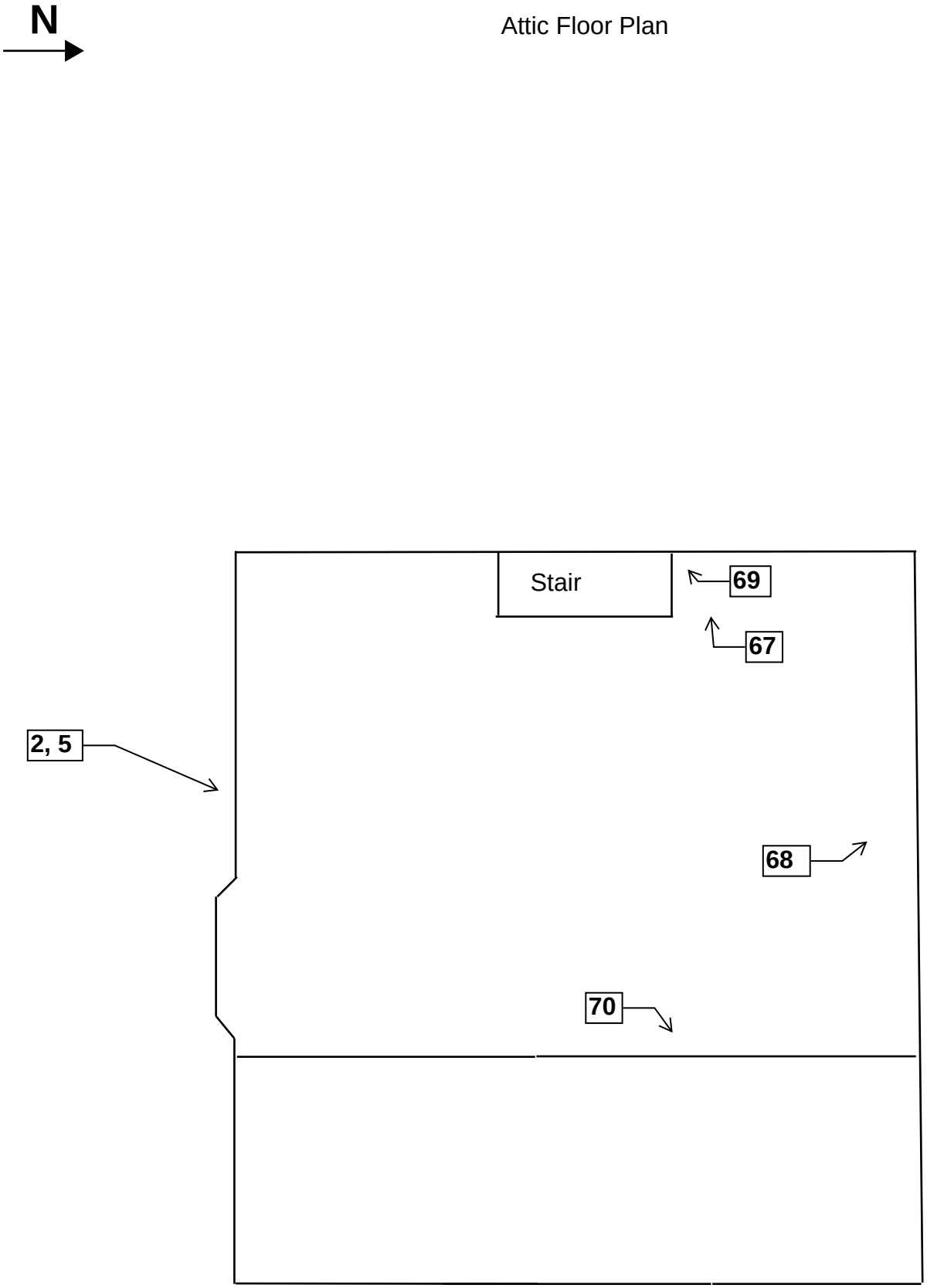
N

2nd Floor Plan



**Two Family Dwelling**
**2537-39 North 11th**
**Milwaukee, Wisconsin**

Attic Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

February 1, 2018

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

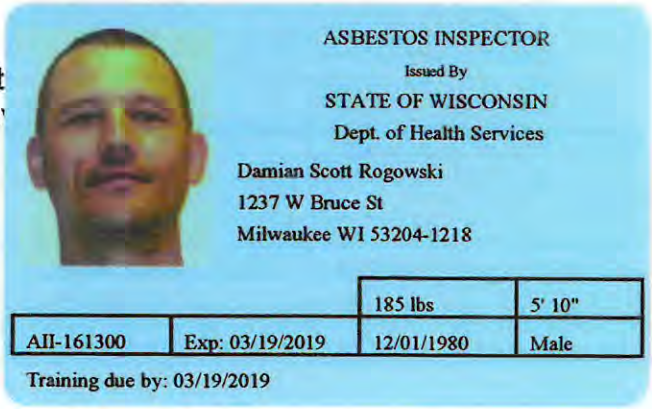
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you prot
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECCONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2836-38 North 12th 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.: 18-400-024.2836-38**
**Inspector: Jazmin Spears**
**Contract No.: 360-18-0745**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**February 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2836-38 North 12th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Jazmin Spears
Asbestos Inspector No. AII – 111055
Expiration Date: 4/24/18
Harenda Management Group

February 27, 2018

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

RE: Deconstruction Inspection Report
2836-38 North 12th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2836-38 North 12th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct a re-inspection at 2836-38 North 12th Street, Milwaukee, Wisconsin, prior to deconstruction. The property had previously been inspected for mechanical demolition in June 2017. (Asbestos Inspection Report, July 6, 2017, Harenda Management Group). HMG conducted a visual re-inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was not detected in any material sampled during the re-inspection. Results are in Section IV of this report.

Lead was detected in paint on the interior and exterior block walls. Results are in Section V of this report.

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A. Methods
B. Component Testing Results

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# I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a re-inspection for suspect asbestos containing materials and potential lead painted masonry surfaces in the two family dwelling at 2836-38 North 12th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. It has vinyl on wood siding and asphalt roofing.

# II. ASEBSTOS INSPECTION

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 February 14, 2018, HMG conducted an asbestos re-inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2836-38 North 12th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 11055. This report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these elements:

1. A visual determination as to the extent of suspect asbestos containing materials remaining within the building.
2. Sampling and documentation of observable suspect asbestos containing materials.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt roofing
- Roof flashing
- Floor tile/mastic

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

# III. ASEBSTOS LABORATORY

## A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 39a | Roof – north side top layer – red asphalt shingle | Negative | MRSr |
| 39b | Roof – north side 2nd layer – black asphalt shingle | Negative | MRSk |
| 39c | Roof – north side 3rd layer – tar paper | Negative | MPT |
| 40a | Roof – north side top layer – red asphalt shingle | Negative | MRSr |
| 40b | Roof – north side 3rd layer – tar paper | Negative | MPT |
| 41a | Roof – south side top layer – red asphalt shingle | Negative | MRSr |
| 41b | Roof – south side 3rd layer – tar paper | Negative | MPT |
| 42a | 2nd floor – kitchen – 12” tan floor tile | Negative | MF12t |
| 42b | 2nd floor – kitchen – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 43a | 2nd floor – bathroom – 12” tan floor tile | Negative | MF12t |
| 43b | 2nd floor – bathroom – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 44a | 1st floor – bathroom – 12” tan floor tile | Negative | MF12t |
| 44b | 1st floor – bathroom – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 45 | 1st floor – kitchen – 12” white floor tile | Negative | MF12w |

**None of the materials sampled were found to contain asbestos. Asbestos containing materials (ACM) were not detected by sampling and laboratory testing.**

**Assumed Category I Non-Friable Asbestos Containing Material:**

| Floor Level | Location | Description | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof | House at Chimney | Asphalt Flashing | 3 Sq. Ft. | Fair |

**Note #1:** The asphalt flashing was not accessible for sampling. It is an assumed category I non friable asbestos containing material. HMG recommends that the flashing be abated by a Wisconsin certified asbestos company prior to deconstruction.

**Note#2:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| MRSk | Black Asphalt Shingle |
| MRSr | Red Asphalt Shingle |
| MPT | Tar Paper |
| MF12t | 12" Tan Floor Tile |
| MF12w | 12" White Floor Tile |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling testing at the gas station at 2836-38 North 12th Street, Milwaukee, Wisconsin, took place on February 14, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

### B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Appendix B.

### Interior: 2836-38 North 12th Street, Milwaukee, Wisconsin

- **Painted block was observed on basement walls. Lead was detected.**

**Exterior: 2836-38 North 12th Street, Milwaukee, Wisconsin**

- **Painted block was observed on exterior walls. Lead was detected**.

The following are the laboratory results.

**Site: 2836-38 North 12th Street, Milwaukee, Wisconsin** **Date: 2/14/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| L1 | Exterior | West Basement Wall | Block | Brown | 0.386 |
| L2 | Exterior | North Basement Wall | Block | Brown | 0.342 |
| L3 | Exterior | South Basement Wall | Block | Brown | 0.244 |
| L4 | Basement | West Wall | Block | White | 3.03 |
| L5 | Basement | North Wall | Block | White | 1.05 |
| L6 | Basement | East Wall | Block | White | 3.79 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 290894
Account Number: B929
Date Received: 02/15/2018
Received By: Amber Bassett
Date Analyzed: 02/22/2018
Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2836-38

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 39 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber | 50 | Tar Sand |
| 001a | | Layered | Black Roofing | Asbestos Not Present | Glass Fiber | 50 | Tar Sand |
| 001b | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 002 | 40 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber | 50 | Tar Sand |
| 002a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 003 | 41 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber | 50 | Tar Sand |
| 003a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 290894
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Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2836-38

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 004 | 42 | Layered | White Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 004a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 005 | 43 | Layered | White Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 005a | | Layered | Yellow Mastic | Asbestos Not Present | Cellulose 2 | Glue |
| 006 | 44 | Layered | White Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 006a | | Layered | Yellow Mastic | Asbestos Not Present | Cellulose 3 | Glue |

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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 290894
Account Number: B929
Date Received: 02/15/2018
Received By: Amber Bassett
Date Analyzed: 02/22/2018
Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2836-38

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 007 | 45 | Homogeneous | Gray Flooring | Asbestos Not Present | Synthetic | 5 | Vinyl CaCO3 |

Jeff Mlekush, Laboratory Manager

2/22/2018
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.

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 290894 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2836-38 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 2/14/18 1700 | FedEx | Amber Bassett 10am | 2/15/18 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 39 | ☒ | | | | |
| 2 | 40 | ☐ | | | | |
| 3 | 41 | ☐ | | | | |
| 4 | 42 | ☐ | | | | |
| 5 | 43 | ☐ | | | | |
| 6 | 44 | ☐ | | | | |
| 7 | 45 | ☒ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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

# IX. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 290889
**Date Received:** 02/15/18
**Received By:** Katie Davis
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 02/22/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2836.38

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | L1 | Paint | Lead | 0.386 | 0.005 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 002 | L2 | Paint | Lead | 0.342 | 0.00499 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 003 | L3 | Paint | Lead | 0.244 | 0.00491 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 004 | L4 | Paint | Lead | 3.03 | 0.00492 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 005 | L5 | Paint | Lead | 1.05 | 0.00496 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 006 | L6 | Paint | Lead | 3.79 | 0.00498 | % | 02/22/18 15:59 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

QUANTEM LABORATORIES

www.QuanTEM.com

# LEAD CHAIN OF CUSTODY



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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 290889 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2836-38 |

| Report Results (☑ one box) | |
|---|---|
| ✓ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 2/14/18 1700 | FedEx | [signature] | 2/15/18 10am |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | L1 | | | | B | X | | | | X | | | | |
| 2 | L2 | | | | | | | | | | | | | |
| 3 | L3 | | | | | | | | | | | | | |
| 4 | L4 | | | | | | | | | | | | | |
| 5 | L5 | | | | | | | | | | | | | |
| 6 | L6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

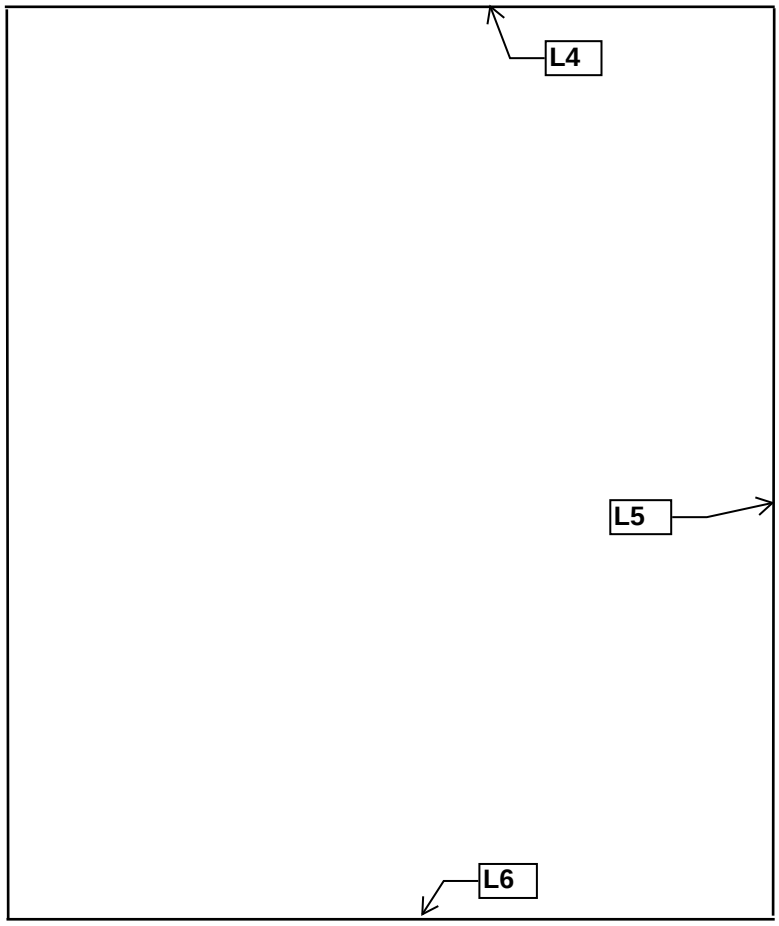
**SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"**

# X. FLOOR PLANS

**Two Family Dwelling**
**2836-38 North 12th Street**
**Milwaukee, Wisconsin**

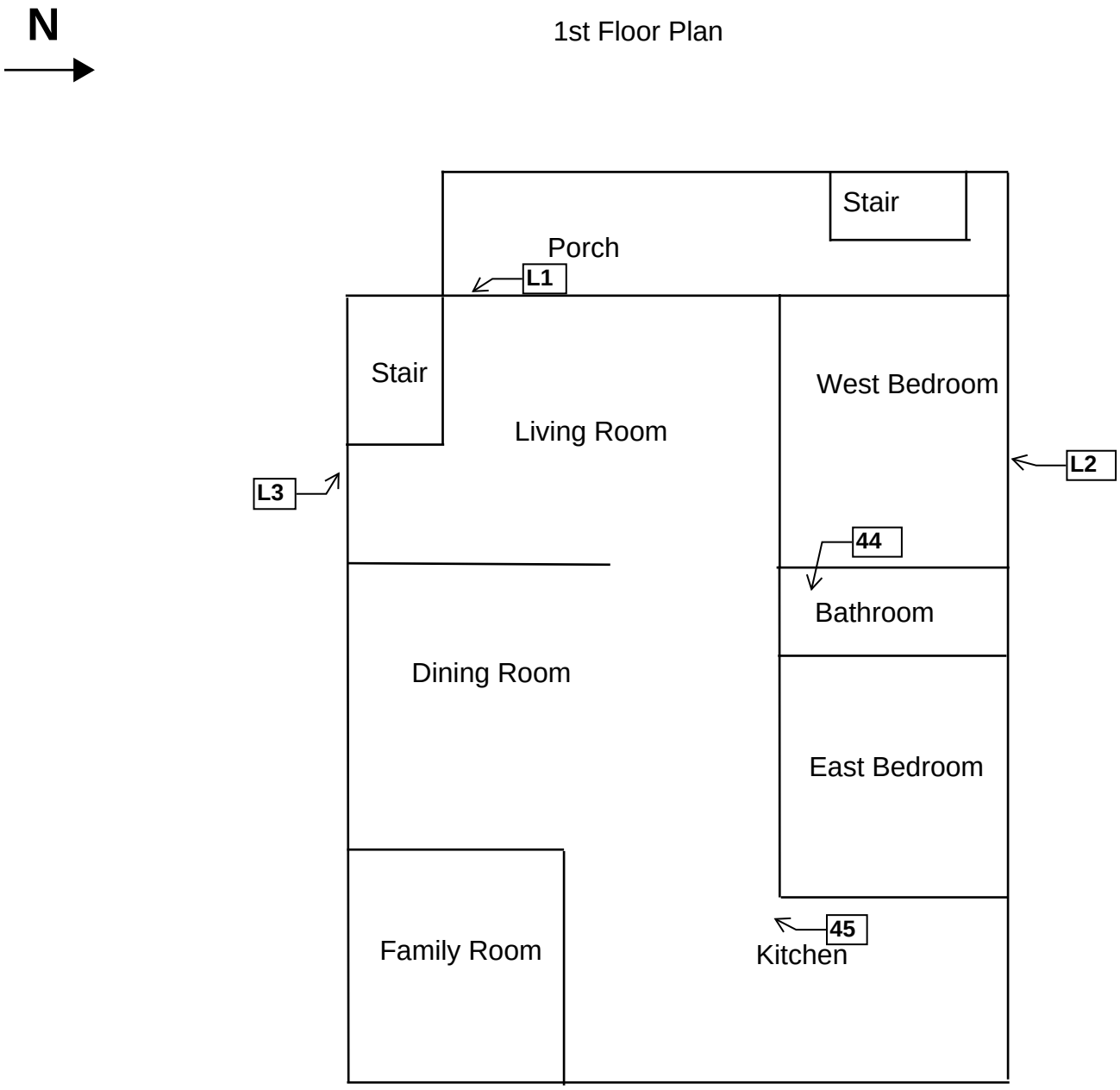
**N**

Basement Plan



**Two Family Dwelling**
**2836-38 North 12th Street**
**Milwaukee, Wisconsin**

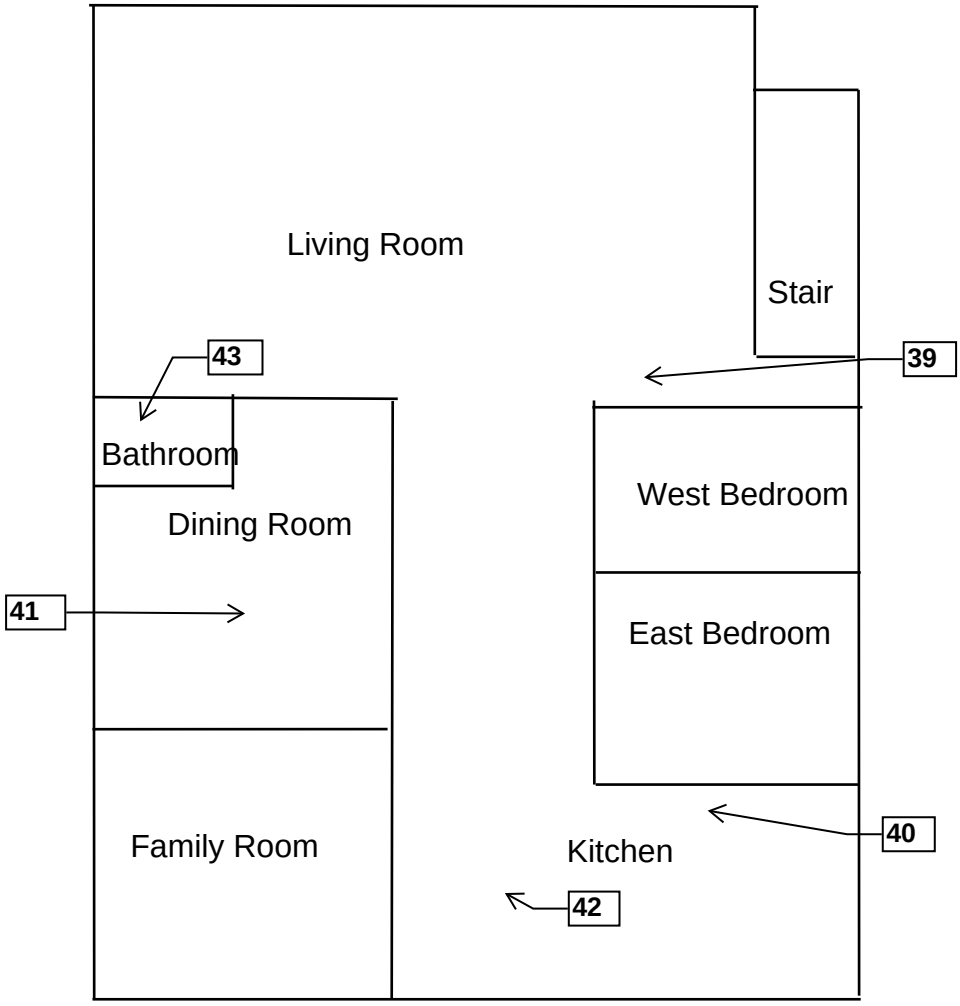
1st Floor Plan



**Two Family Dwelling**
**2836-38 North 12th Street**
**Milwaukee, Wisconsin**

**N**

2nd Floor Plan



# XI. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

March 23, 2017

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

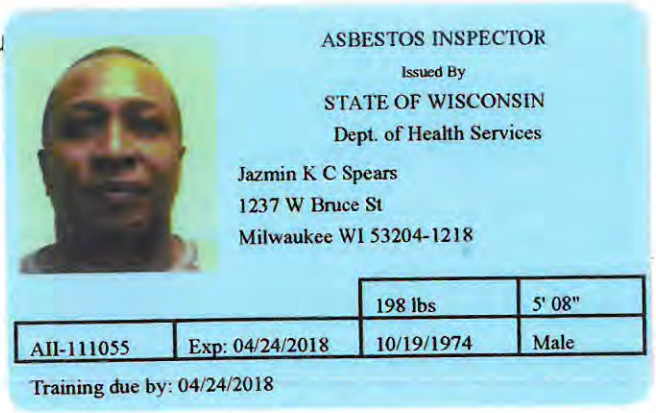
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you protect you
professional responsibility. Contact us if you have any
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**One Family Dwelling**
**2545 North 14th 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.: 18-400-024.2545**
**Inspector: Damian Rogowski**
**Contract No.: 360-18-0745**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**October 2018**

**Signature Page**
Deconstruction Inspection Report
One Family Dwelling
2545 North 14th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Damian Rogowski
Asbestos Inspector No. AII – 161300
Expiration Date: 3/19/18
Harenda Management Group

October 5, 2018

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

RE: Deconstruction Inspection Report
2545 North 14th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2545 North 14th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2545 North 14th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected in living room ceiling texture and wall mastic, east bedroom floor tile, kitchen wall joint compound and linoleum, roof flashing, basement stair linoleum, and basement duct wrap sampled during the re-inspection. Results are in Section IV of this report.

Lead was detected in paint on the interior and exterior block walls and basement concrete floor. Results are in Section V of this report.

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B. Component Testing Results

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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 and potential lead painted masonry surfaces in the one family dwelling at 2545 North 14th Street, Milwaukee, Wisconsin. The dwelling is a one story wood framed structure with basement. The house has aluminum, fiberboard, and wood with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 August 3, 2018, HMG conducted an asbestos inspection and lead inspection of a one family dwelling, scheduled for deconstruction, located at 2545 North 14th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII - 161300 and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Stucco
- Glazing compound
- Tar paper
- Fiberboard
- Linoleum
- Drywall
- Ceiling tile
- Texture
- Floor tile
- Blown in insulation
- Asphalt roofing
- Roof flashing
- Plaster

- Duct wrap
- Flue packing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

### A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – basement northwest wall – concrete block | Negative | MCB |
| 2 | Exterior – basement south wall – concrete block | Negative | MCB |
| 3 | Exterior – basement southeast wall – concrete block | Negative | MCB |
| 4 | Exterior –northwest wall – stucco | Negative | STC |
| 5 | Exterior –south wall – stucco | Negative | STC |
| 6 | Exterior –southeast wall – stucco | Negative | STC |
| 7 | Exterior – basement southwest corner – concrete block #2 | Negative | MCB2 |
| 8 | Exterior – basement southeast corner – concrete block #2 | Negative | MCB2 |
| 9 | Exterior – basement northwest corner – concrete block #2 | Negative | MCB2 |
| 10 | Exterior – on basement north middle window – glazing compound | Negative | MPG |
| 11 | Exterior – southeast corner wall under wood siding – tar paper | Negative | MPT |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 12 | Exterior – southwest corner wall under wood siding – tar paper | Negative | MPT |
| 13 | Exterior – southeast corner wall under wood siding – tar paper | Negative | MPT |
| 14 | Exterior - southeast corner wall under aluminum siding – brown fiberboard | Negative | MFB |
| 15 | Exterior - southwest corner wall under aluminum siding – brown fiberboard | Negative | MFB |
| 16 | Exterior - south middle wall under aluminum siding – brown fiberboard | Negative | MFB |
| 17 | Exterior – on basement south middle window – glazing compound | Negative | MPG |
| 18 | Exterior – on basement west window – glazing compound | Negative | MPG |
| 19a | 1st floor – west bedroom top layer – white and blue linoleum | Negative | MFLwb |
| 19b | 1st floor – west bedroom 2nd layer – white linoleum | Negative | MFLw |
| 19c | 1st floor – west bedroom 2nd layer – under white linoleum – yellow mastic | Negative | MFLw |
| 19d | 1st floor – west bedroom bottom layer – yellow linoleum | Negative | MFLl |
| 20 | 1st floor – bathroom – west wall – drywall | Negative | MDW |
| 21 | 1st floor – front entry – east wall – drywall | Negative | MDW |
| 22 | Basement – south wall – drywall | Negative | MDW |
| 23a | 1st floor – bathroom top layer – 12” brown and gray floor tile | Negative | MF12ny |
| 23b | 1st floor – bathroom 2nd layer – cream linoleum | Negative | MFLc |
| 23c | 1st floor – bathroom 2nd layer – under cream linoleum – yellow mastic | Negative | MFLc |
| 23d | 1st floor – bathroom – 3rd layer – gold linoleum | Negative | MFLd |
| 23e | 1st floor – bathroom – 3rd layer – under gold linoleum – brown/yellow mastic | Negative | MFLd |
| 24 | 1st floor – north bedroom – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 25 | 1st floor – north bedroom – 12” brown floor tile | Negative | MF12n |
| 26 | 1st floor – living room – 12” brown floor tile | Negative | MF12n |
| 27 | 1st floor – dining room – 12” brown floor tile | Negative | MF12n |
| 28 | 1st floor – north bedroom – in northwest wall – blown in insulation | Negative | MBI |
| 29 | 1st floor – west bedroom – in north wall – blown in insulation | Negative | MBI |
| 30 | 1st floor – dining room – in south wall – blown in insulation | Negative | MBI |
| **31** | **1st floor – west bedroom – on ceiling – texture** | **Positive 2% Chrysotile** | **STX** |
| **32** | **1st floor – living room – on west ceiling – texture** | **Positive 2% Chrysotile** | **STX** |
| **33** | **1st floor – living room – on east ceiling – texture** | **Positive 2% Chrysotile** | **STX** |
| **34** | **1st floor – living room – on north wall – white mastic** | **Positive 2% Chrysotile** | **MWMw** |
| 35 | 1st floor – east bedroom center – 12” blue floor tile | Negative | MF12b |
| **36** | **1st floor – east bedroom southeast corner – 12” tan and brown floor tile** | **Positive 3% Chrysotile** | **MF12tn** |
| 37a | 1st floor – kitchen – on north wall under wood panel – yellow mastic | Negative | MPMl |
| **37b** | **1st floor – kitchen – on north wall under mastic – joint compound** | **Positive 3% Chrysotile** | **MJC** |
| 38 | 1st floor – kitchen northwest – 1’ x 1’ ceiling tile | Negative | MSCT11 |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 39 | 1st floor – kitchen southeast – 1' x 1' ceiling tile | Negative | MSCT11 |
| 40a | 1st floor – kitchen top layer – 12" brown/tan/yellow floor tile | Negative | MF12ntl |
| 40b | 1st floor – kitchen 2nd layer – beige linoleum | Negative | MFLe |
| 40c | 1st floor – kitchen 3rd layer – 12" beige floor tile | Negative | MF12e |
| **40d** | **1st floor – kitchen 4th layer – yellow and gold linoleum** | **Positive 20% Chrysotile** | **MFLld** |
| 41a | Roof – east porch top layer – brown asphalt shingle | Negative | MRSn |
| 41b | Roof – east porch bottom layer – tar paper #2 | Negative | MPT2 |
| 42 | Roof – northeast top layer – brown asphalt shingle | Negative | MRSn |
| 42a | Roof – northeast bottom layer – tar paper #2 | Negative | MPT2 |
| 43 | Roof – south side top layer – brown asphalt shingle | Negative | MRSn |
| 43a | Roof – south side bottom layer – tar paper #2 | Negative | MPT2 |
| **44** | **Roof – east front porch at wall – roof flashing** | **Positive 15% Chrysotile** | **MRF** |
| 45 | 1st floor – living room – south wall – plaster | Negative | SP1 |
| 46a | 1st floor – kitchen – south wall – joint compound layer | Negative | SP1 |
| 46b | 1st floor – kitchen – south wall – plaster | Negative | SP1 |
| 47 | 1st floor – dining room – north wall – plaster | Negative | SP1 |
| 48 | 1st floor – bathroom – west wall – plaster | Negative | SP1 |
| 49 | 1st floor – west bedroom – northwest wall– plaster | Negative | SP1 |
| 50a | Basement – stair – east wall – joint compound layer | Negative | SP1 |
| 50b | Basement – stair – east wall – plaster | Negative | SP1 |
| **51a** | **Basement – stair under plywood – tan linoleum** | **Positive 25% Chrysotile** | **MFLt** |
| **51b** | **Basement – stair bottom layer – tan and yellow linoleum** | **Positive 25% Chrysotile** | **MFLtl** |
| **52** | **Basement – on north center boot – duct wrap** | **Positive 85% Chrysotile** | **TDW** |
| **53** | **Basement – on center boot – duct wrap** | **Positive 85% Chrysotile** | **TDW** |
| **54** | **Basement – on southwest boot – duct wrap** | **Positive 85% Chrysotile** | **TDW** |
| 54 | Basement – on chimney – flue packing | Negative | TFP |

Nine (9) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Texture | STX | Living Room & West Bedroom on Ceiling | 260 SF | Fair |
| White Wall Mastic | MWMw | Living Room on North Wall | 120 SF | Fair |
| 12" Tan & Brown Floor Tile | MF12tn | East Bedroom Southeast | 10 SF | Good |
| Joint Compound | MJC | Kitchen on Plaster Walls Under Wood Panel | 340 SF | Fair |
| Yellow & Gold Linoleum | MFLld | Kitchen 4th Layer | 120 SF | Fair |

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof Flashing | MRF | Roof at Chimney, East Porch Roof at Wall | 5 SF | Fair |
| Tan Linoleum | MFLt | Basement Stair Under Linoleum & Plywood | 40 SF | Fair |
| Tan & Yellow Linoleum | MFLtl | Basement Stair Under Tan Linoleum | 40 SF | Fair |
| Duct Wrap | TDW | Basement on Boots | 12 SF | Poor |

**Note #1:** The materials listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

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

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

**Note#4:** Additional duct wrap may be within walls and c ceilings.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STC | Stucco |
| STX | Texture |
| MCB | Concrete Block |
| MCB2 | Concrete Block #2 |
| MPG | Glazing Compound |
| MCB | Concrete Block |
| MPT | Tar Paper Wall |
| MPT2 | Tar Paper Roof |
| MFB | Fiberboard |
| MFLwb | White & Blue Linoleum |
| MFLw | White Linoleum |
| MFLl | Yellow Linoleum |
| MFLc | Cream Linoleum |
| MFLd | Gold Linoleum |
| MFLe | Beige Linoleum |
| MFLld | Yellow & Gold Linoleum |
| MFLt | Tan Linoleum |
| MFLtl | Tan & Yellow Linoleum |
| MDW | Drywall |
| MF12ny | 12” Brown & Gray Floor Tile |
| MF12n | 12” Brown Floor Tile |
| MF12b | 12” Blue Floor Tile |
| MF12tn | 12” Tan & Brown Floor Tile |
| MF12ntl | 12” Brown/tan/Yellow Floor Tile |
| MF12e | 12” Beige Floor Tile |
| MSCT11 | 1’ x 1’ Ceiling Tile |
| MBI | Blown in Insulation |

**Homogeneous Material Codes**

| | |
|---|---|
| MWMl | Yellow Wall Mastic |
| MPMw | White Wall Panel Mastic |
| MJC | Joint Compound |
| MRSn | Brown Asphalt Shingle |
| MRF | Flashing |
| TFP | Flue Packing |
| TDW | Duct Wrap |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2545 North 14th Street, Milwaukee, Wisconsin, took place on August 3, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

### B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2545 North 14th Street, Milwaukee, Wisconsin**

- **Painted block and concrete were observed on basement walls and floor. Lead based paint was not detected.**

**Exterior: 2545 North 14th Street, Milwaukee, Wisconsin**

- **Painted masonry was observed on the exterior block walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2545 North 14th Street, Milwaukee, Wisconsin Date: 3/30/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P01 | Exterior | East Wall | Block | Brown | 0.0255 |
| P02 | Basement | South Wall by Stairs | Block | Purple | 0.0203 |
| P03 | Basement | West Wall by Stairs | Block | White | 0.00516 |
| P04 | Basement | West Floor | Concrete | Gray | 0.0427 |
| P05 | Basement | Southeast Wall | Block | Pink | 0.277 |
| P06 | Basement | Southeast Floor | Concrete | Pink | 0.0250 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the

building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

**ELECTRICAL SYSTEMS – 1 Breaker Box in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

| | |
|---|---|
| N/A | Hazardous Waste |
| N/A | Oil Tanks |
| N/A | Well Abandonment |
| 1 | Junk Auto Tires – In Yard |
| N/A | Junk Vehicles |

* 1 Gallon Paint in Yard.

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 002 | 2 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 003 | 3 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 004 | 4 | Homogeneous | White Plaster | Asbestos Not Present | NA | Sand CaCO3 Paint |
| 005 | 5 | Homogeneous | White Plaster | Asbestos Not Present | NA | Sand CaCO3 Paint |
| 006 | 6 | Homogeneous | White Plaster | Asbestos Not Present | NA | Sand CaCO3 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.

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 007 | 7 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 008 | 8 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 009 | 9 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | Sand CaCO3 |
| 010 | 10 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 011 | 11 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 012 | 12 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |
| 013 | 13 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |

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Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Tar |
| 015 | 15 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Tar |
| 016 | 16 | Homogeneous | Brown Fiberboard | Asbestos Not Present | Cellulose | 90 | Tar |
| 017 | 17 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 018 | 18 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 019 | 19 | Layered | Cream Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | Vinyl |

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

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
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Date Received: 08/06/2018
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Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 019a | | Layered | White Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | Vinyl |
| 019b | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 019c | | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose<br>Synthetic | 10<br>10 | Vinyl |
| 020 | 20 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum Paint |
| 021 | 21 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum Paint |
| 022 | 22 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum Paint |
| 023 | 23 | Layered | Brown Floor Tile | Asbestos Not Present | NA | | Vinyl CaCO3 |

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

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

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# Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929
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1237 West Bruce St.
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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 023a | | Layered | White Sheet Vinyl | Asbestos Not Present | Cellulose | 15 | Vinyl |
| 023b | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 023c | | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 15 | Vinyl |
| 023d | | Layered | Brown/Yellow Mastic | Asbestos Not Present | NA | | Glue Binder |
| 024 | 24 | Homogeneous | Blue Ceiling Tile | Asbestos Not Present | Cellulose | 80 | Paint |
| 025 | 25 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | Vinyl 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 026 | 26 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 027 | 27 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 028 | 28 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 029 | 29 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 030 | 30 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 031 | 31 | Homogeneous | White Texture | Asbestos Present Chrysotile 2 | NA | CaCO3 Paint |
| 032 | 32 | Homogeneous | White Texture | Asbestos Present Chrysotile 2 | NA | CaCO3 Paint |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 033 | 33 | Homogeneous | White Texture | Asbestos Present Chrysotile 2 | NA | CaCO3 Paint |
| 034 | 34 | Homogeneous | White Texture | Asbestos Present Chrysotile 2 | NA | CaCO3 Paint |
| 035 | 35 | Homogeneous | Gray Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 036 | 36 | Homogeneous | Brown Floor Tile | Asbestos Present Chrysotile 3 | NA | Vinyl CaCO3 |
| 037 | 37 | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 037a | | Layered | White Texture | Asbestos Present Chrysotile 3 | NA | CaCO3 |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 038 | 38 | Homogeneous | Purple Ceiling Tile | Asbestos Not Present | Cellulose 80 | Paint |
| 039 | 39 | Homogeneous | Purple Ceiling Tile | Asbestos Not Present | Cellulose 80 | Paint |
| 040 | 40 | Layered | Brown Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 040a | | Layered | Cream Sheet Vinyl | Asbestos Not Present | Cellulose 15 | Vinyl |
| 040b | | Layered | Beige Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 040c | | Layered | Yellow Sheet Vinyl | Asbestos Present Chrysotile 20 | NA | Vinyl |
| 041 | 41 | Layered | Brown Shingle | Asbestos Not Present | Cellulose 20 | Sand Tar |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 041a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Sand Tar |
| 042 | 42 | Layered | Brown Shingle | Asbestos Not Present | Cellulose | 20 | Sand Tar |
| 042a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 043 | 43 | Layered | Brown Shingle | Asbestos Not Present | Cellulose | 20 | Sand Tar |
| 043a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 044 | 44 | Homogeneous | Black/Gray Tar | Asbestos Present Chrysotile 15 | NA | | Tar |

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QUANTEM LABORATORIES
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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 045 | 45 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Sand Gypsum Paint |
| 046 | 46 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 046a | | Layered | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 Paint |
| 047 | 47 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 Paint |
| 048 | 48 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 Paint |
| 049 | 49 | Homogeneous | Gray Plaster | 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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QuanTEM LABORATORIES
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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 297566
Account Number: B929
Date Received: 08/06/2018
Received By: Travis Miller
Date Analyzed: 08/08/2018
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2545

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 050 | 50 | Layered | White<br>Texture | Asbestos Not Present | NA | Talc<br>Paint |
| 050a | | Layered | Gray<br>Plaster | Asbestos Not Present | NA | Sand<br>Gypsum |
| 051 | 51 | Layered | Tan<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 25 | NA | Vinyl |
| 051a | | Layered | Yellow<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 25 | NA | Vinyl |
| 052 | 52 | Homogeneous | Gray<br>Insulation | Asbestos Present<br>Chrysotile 85 | Cellulose 15 | |
| 053 | 53 | Homogeneous | Gray<br>Insulation | Asbestos Present<br>Chrysotile 85 | Cellulose 15 | |
| 054 | 54 | Homogeneous | Gray<br>Insulation | Asbestos Present<br>Chrysotile 85 | Cellulose 15 | |

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QUANTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

| | | | |
|---|---|---|---|
| QuanTEM Lab No. | 297566 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 08/06/2018 | | |
| Received By: | Travis Miller | | |
| Date Analyzed: | 08/08/2018 | Project: | DNS |
| Analyzed By: | Gayle Ooten | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2545 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 055 | 55 | Homogeneous | Gray<br>Concrete | Asbestos Not Present | Wollastonite | 20 | Sand<br>CaCO3 |

Gayle Ooten, Analyst

8/13/2018
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. 297566 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2545 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 8/3/18 1700 | Fed Ex | [signature] | 18-8-6 10:45 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 297566
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☑ | | | | |

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www.QuanTEM.com

# 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. 257566
Accept 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 |
|---|---|---|---|---|---|---|
| 51 | 51 | ☑ | | | | |
| 52 | 52 | ☐ | | | | |
| 53 | 53 | ☐ | | | | |
| 54 | 54 | ☐ | | | | |
| 55 | 55 | ☑ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |
| 1 | | ☐ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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

# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 297584
**Date Received:** 08/06/18
**Received By:** Katie Davis
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 08/13/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2545

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P01 | Paint | Lead | 0.0255 | 0.00497 | % | 08/13/18 11:30 | P EPA 7000B (1) |
| 002 | P02 | Paint | Lead | 0.0203 | 0.00497 | % | 08/13/18 11:30 | P EPA 7000B (1) |
| 003 | P03 | Paint | Lead | 0.00516 | 0.00488 | % | 08/13/18 11:30 | P EPA 7000B (1) |
| 004 | P04 | Paint | Lead | 0.0427 | 0.005 | % | 08/13/18 11:30 | P EPA 7000B (1) |
| 005 | P05 | Paint | Lead | 0.277 | 0.00489 | % | 08/13/18 11:30 | P EPA 7000B (1) |
| 006 | P06 | Paint | Lead | 0.0250 | 0.00491 | % | 08/13/18 11:30 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

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# LEAD 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. | 2975584 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2545 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 8/3/18 1200 | FedEx | [illegible] | 8-6-18 10:45 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P01 | | | | B | X | | | | X | | | | |
| 2 | P02 | | | | | | | | | | | | | |
| 3 | P03 | | | | | | | | | | | | | |
| 4 | P04 | | | | | | | | | | | | | |
| 5 | P05 | | | | | | | | | | | | | |
| 6 | P06 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✔ | 5 - Day |

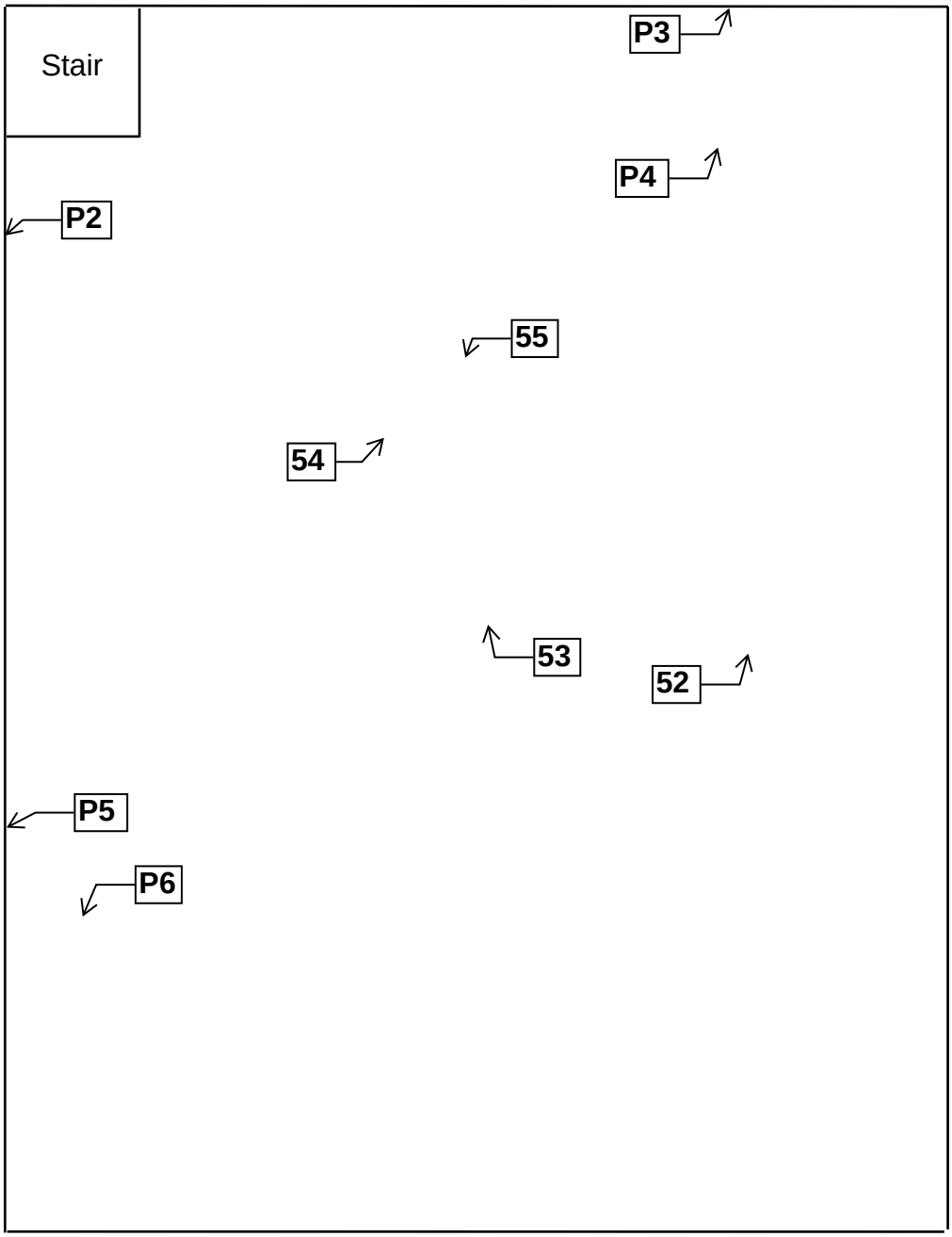
**SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"**

# XI. FLOOR PLANS

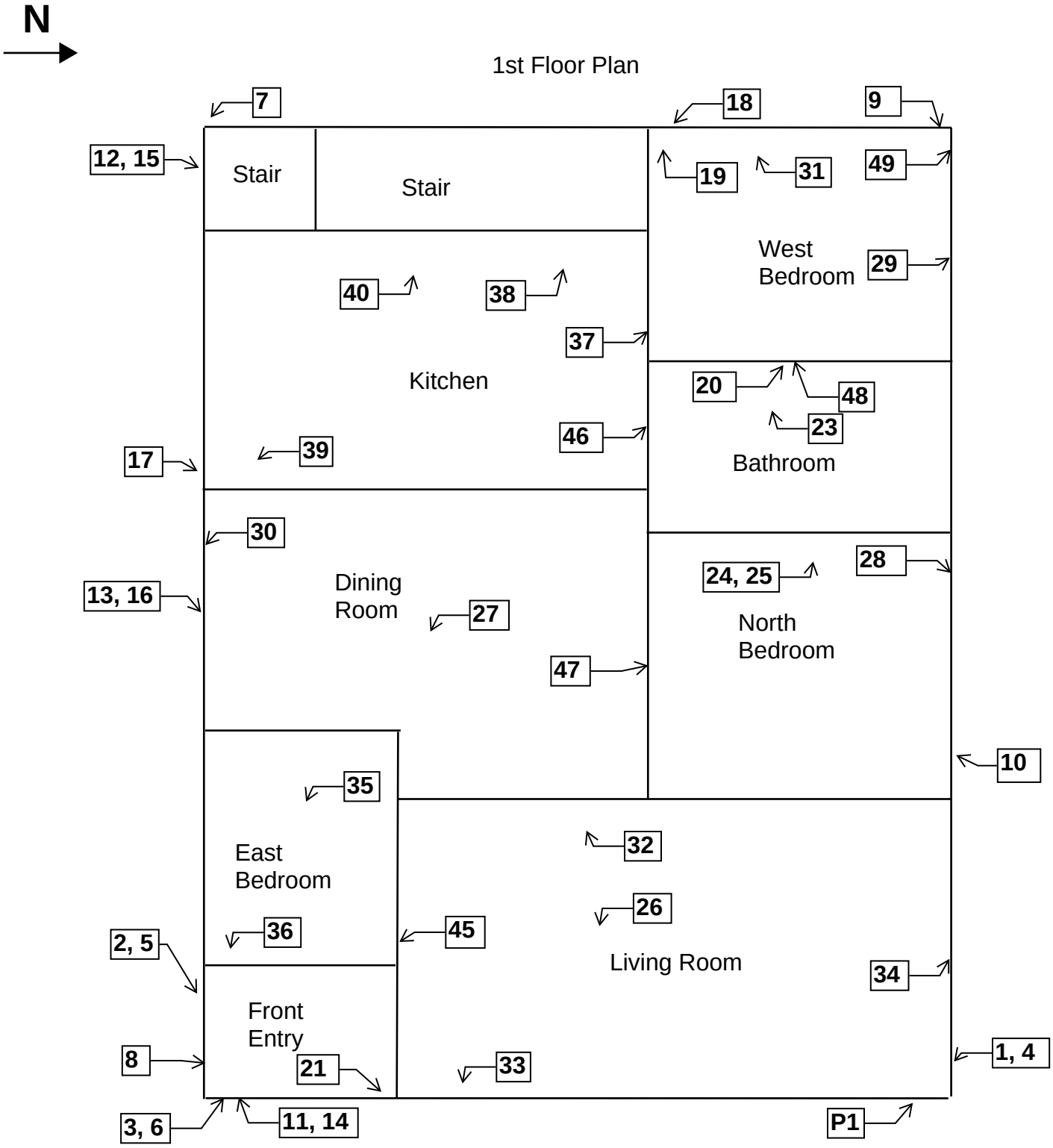
**One Family Dwelling**
**2545 North 14th Street**
**Milwaukee, Wisconsin**

N

Basement Floor Plan

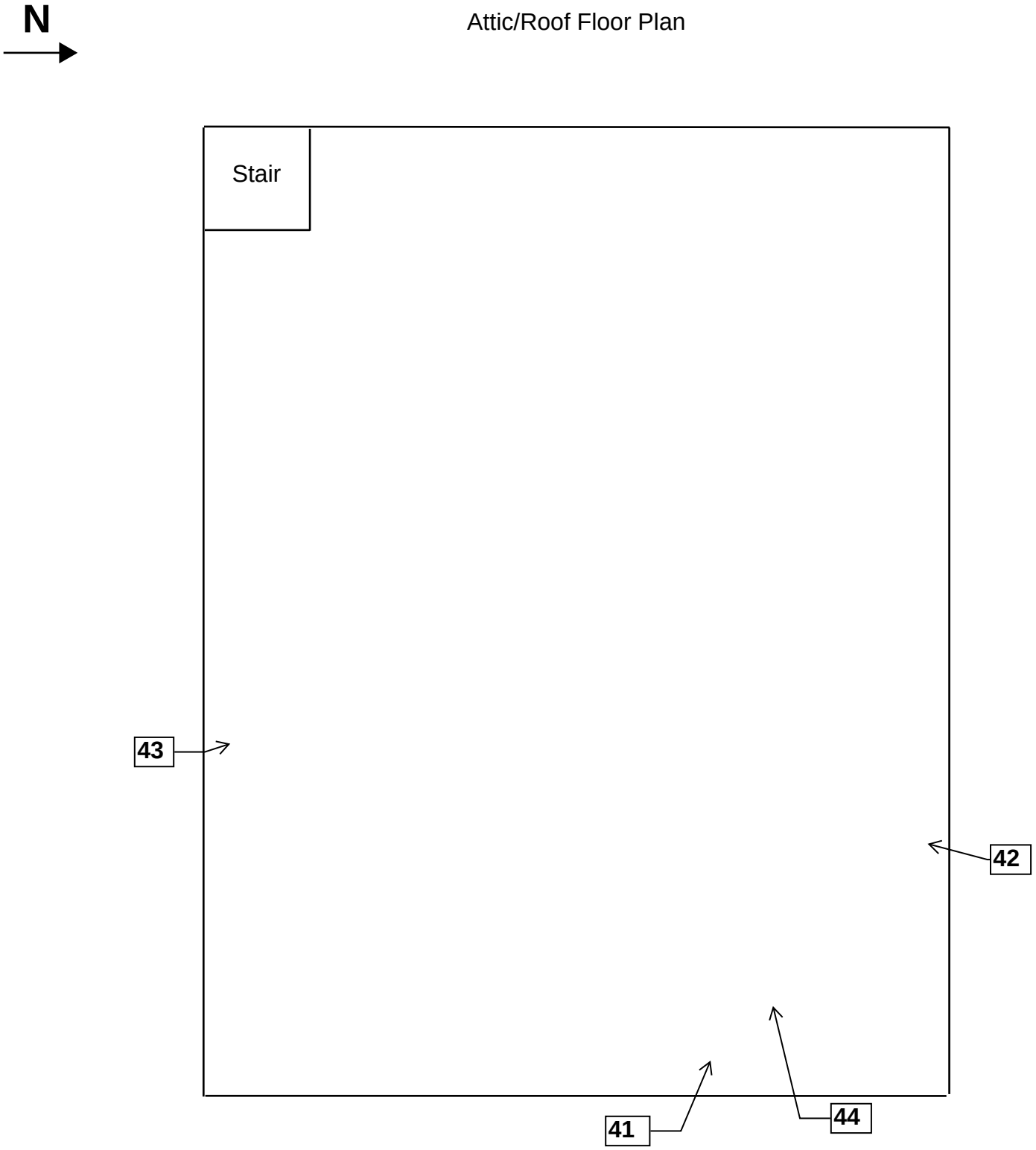


**One Family Dwelling**
**2545 North 14th Street**
**Milwaukee, Wisconsin**



**One Family Dwelling**
**2545 North 14th Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

February 1, 2018

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

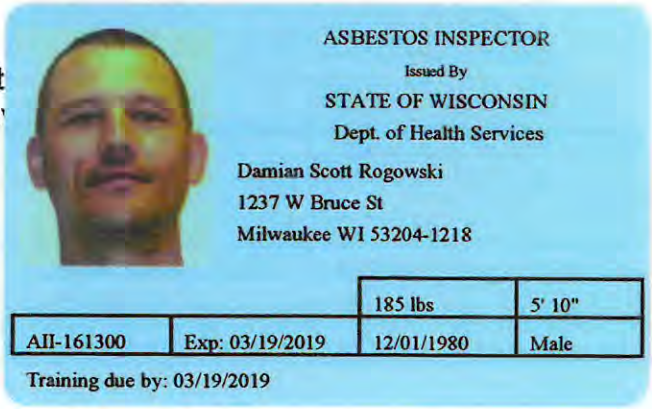
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you prot
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2327 North 17th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2327**
**Inspector: Jazmin Spears**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**November 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2327 North 17th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Jazmin Spears
Asbestos Inspector No. AII – 111055
Expiration Date: 8/10/19
Harenda Management Group

November 20, 2018

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

RE: Deconstruction Inspection Report
2327 North 17th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2327 North 17th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2327 North 17th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in 2nd floor tan floor tile, flue packing, and duct wrap sampled during the inspection. Asbestos was detected below 1% in basement floor tile. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the exterior porch. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling at 2327 North 17th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl, asphalt and wood walls with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 September 26, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2327 North 17th Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Paper insulation
- Caulk
- Linoleum
- Ceiling tile
- Blown in insulation
- Floor tile
- Glazing compound
- Ceramic tile
- Asphalt roofing
- Flue packing
- Plaster

- Duct wrap
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy (PLM). A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section IX.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1a | Exterior – south wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 1b | Exterior – south wall under asphalt shingle siding – fiberboard layer | Negative | MSS |
| 2a | Exterior – east wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 2b | Exterior – east wall under asphalt shingle siding – fiberboard layer | Negative | MSS |
| 3a | Exterior – north wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 3b | Exterior – north wall under asphalt shingle siding – fiberboard layer | Negative | MSS |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 4 | Exterior – south wall under wood siding – brown paper insulation | Negative | MPIn |
| 5 | Exterior – east wall under wood siding – brown paper insulation | Negative | MPIn |
| 6 | Exterior – north wall under wood siding – brown paper insulation | Negative | MPIn |
| 7 | Exterior – on north window – tan caulk | Negative | MCLKt |
| 8 | Exterior – on east porch – tan caulk | Negative | MCLKt |
| 9 | Exterior – on south window – tan caulk | Negative | MCLKt |
| 10 | 1st floor – front entry – 12” orange floor tile | Negative | MF12o |
| 11 | 1st floor – dining room – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 12 | 1st floor – north bedroom – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 13 | 2nd floor – southeast room – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 14 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 15 | 1st floor – living room – in south wall – blown in insulation | Negative | MBI |
| 16 | Attic – on floor – blown in insulation | Negative | MBI |
| 17a | 1st floor – kitchen west side – 12” gray floor tile | Negative | MF12y |
| 17b | 1st floor – kitchen west side – under 12” gray floor tile – brown mastic | Negative | MF12y |
| 18a | 1st floor – kitchen west side – 12” gray floor tile | Negative | MF12y |
| 18b | 1st floor – kitchen west side – under 12” gray floor tile – brown mastic | Negative | MF12y |
| 19a | 1st floor – kitchen south side – 12” gray floor tile | Negative | MF12y |
| 19b | 1st floor – kitchen south side – under 12” gray floor tile – brown mastic | Negative | MF12y |
| 20 | 1st floor – living room – on east window – glazing compound | Negative | MPG |
| 21 | 1st floor – north bedroom – on north window – glazing compound | Negative | MPG |
| 22 | Basement – on east window – glazing compound | Negative | MPG |
| 23a | 1st floor – bathroom – on south wall – white ceramic tile | Negative | MCTMw |
| 23b | 1st floor – bathroom – on south wall – grout | Negative | MCTMw |
| 23c | 1st floor – bathroom – on south wall – under white ceramic tile – tan mastic | Negative | MCTMw |
| 24a | 2nd floor – hall top layer – 12” green floor tile | Negative | MF12g |
| 24b | 2nd floor – hall top layer – under 12” green floor tile – tan mastic | Negative | MF12g |
| 24c | 2nd floor – hall 2nd layer – green linoleum | Negative | MFLg |
| 25a | 1st floor – bathroom top layer – 12” brown floor tile | Negative | MF12n |
| 25b | 1st floor – bathroom 2nd layer – 12” gray and tan floor tile | Negative | MF12yt |
| 26 | 2nd floor – bathroom – 12” white floor tile | Negative | MF12w |
| 27a | 2nd floor – bathroom – on shower wall – tan ceramic tile | Negative | MCTMt |
| 27b | 2nd floor – bathroom – on shower wall – grout | Negative | MCTMt |
| 28 | 2nd floor – south room under carpet – 12” green and black floor tile | Negative | MF12gk |
| **29a** | **2nd floor – south room bottom layer – 12” tan floor tile** | **Positive 5% Chrysotile** | **MF12t** |
| 29b | 2nd floor – south room bottom layer – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 30 | 2nd floor – northeast bedroom under carpet – brown linoleum | Negative | MFLn |
| 31 | 2nd floor – west room – white linoleum | Negative | MFLw |
| 32a | Roof – southeast top layer – black asphalt shingle | Negative | MRSk |
| 32b | Roof – southeast 2nd layer – brown asphalt shingle | Negative | MRSn |
| 32c | Roof – southeast 3rd layer – green asphalt shingle | Negative | MRSg |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 33a | Roof – southwest top layer – brown asphalt shingle | Negative | MRSn |
| 33b | Roof – southwest 2nd layer – green asphalt shingle | Negative | MRSg |
| 34a | Roof – north top layer – black asphalt shingle | Negative | MRSk |
| 34b | Roof – north 2nd layer – brown asphalt shingle | Negative | MRSn |
| 34c | Roof – north 3rd layer – green asphalt shingle | Negative | MRSg |
| 35a | Basement – north side – 12" red floor tile | Positive 2% Chrysotile | MF12r |
| 35a | POINT COUNT RESULT | Trace <0.25% Chrysotile | MF12r |
| 35b | Basement – north side – under 12" red floor tile – tan mastic | Negative | MF12r |
| 36a | Basement – east side – 12" red floor tile | Positive 2% Chrysotile | MF12r |
| 36a | Basement – east side – 12" red floor tile | Trace <0.25% Chrysotile | MF12r |
| 36b | Basement – east side – under 12" red floor tile – tan mastic | Negative | MF12r |
| 37a | Basement – south side – 12" red floor tile | Positive 2% Chrysotile | MF12r |
| 37a | Basement – south side – 12" red floor tile | Trace <0.25% Chrysotile | MF12r |
| 37b | Basement – south side – under 12" red floor tile – tan mastic | Negative | MF12r |
| 38a | Basement – on chimney – flue packing top layer | Negative | TFP |
| **38b** | **Basement – on chimney – flue packing bottom layer** | **Positive 20% Chrysotile** | **TFP** |
| 39a | 1st floor – living room – south wall – plaster skim coat | Negative | SPl |
| 39b | 1st floor – living room – south wall – plaster base coat | Negative | SPl |
| 40a | 1st floor – north bedroom – west wall – plaster skim coat | Negative | SPl |
| 40b | 1st floor – north bedroom – west wall – plaster base coat | Negative | SPl |
| 41a | 1st floor – dining room – east wall – plaster skim coat | Negative | SPl |
| 41b | 1st floor – dining room – east wall – plaster base coat | Negative | SPl |
| 42a | 2nd floor – hall – north wall – plaster skim coat | Negative | SPl |
| 42b | 2nd floor – hall – north wall – plaster base coat | Negative | SPl |
| 43a | 2nd floor – west room – east wall – plaster skim coat | Negative | SPl |
| 43b | 2nd floor – west room – east wall – plaster base coat | Negative | SPl |
| 44a | 2nd floor – northeast room – east wall – plaster skim coat | Negative | SPl |
| 44b | 2nd floor – northeast room – east wall – plaster base coat | Negative | SPl |
| 45a | Basement – stair – south wall – plaster skim coat | Negative | SPl |
| 45b | Basement – stair – south wall – plaster base coat | Negative | SPl |
| **46** | **1st floor – living room – on south wall duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **47** | **1st floor – kitchen – on west wall duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **48** | **2nd floor – south room – on east wall duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |

Three (3) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" Tan Floor Tile | MF12t | 2nd Floor South Room Bottom Layer | 110 SF | Fair |
| Flue Packing | TFP | Basement on Chimney | 2 SF | Poor |

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Duct Wrap | TDW | Ducts in 1st Floor Walls & at 2nd Floor Vents | 110 SF | Poor |

One (1) of the materials sampled contains less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" Red Floor Tile | MF12R | Basement | 650 SF | Fair |

## Assumed Asbestos Containing Materials

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | Roof at Chimney | 5 SF | Good |

The flashing was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

**Note#2:** The 12" red floor tile contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

HMG recommends that the 12" red floor tile be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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 wrap may be within walls and ceilings.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MSS | Asphalt Shingle Siding |
| MPIn | Brown Paper Insulation |
| MCLKt | Tan Caulk |
| MF12o | 12" Orange Floor Tile |
| MF12y | 12" Gray Floor Tile |
| MF12g | 12" Green Floor Tile |
| MF12n | 12" Brown Floor Tile |

**Homogeneous Material Codes**

| | |
|---|---|
| MF12yt | 12" Gray & Tan Floor Tile |
| MF12w | 12" White Floor Tile |
| MF12gk | 12" Green & Black Floor Tile |
| MF12t | 12" Tan Floor Tile |
| MF12r | 12" Red Floor Tile |
| MSCT11 | 1' x 1' Ceiling Tile |
| MBI | Blown in Insulation |
| MPG | Glazing Compound |
| MCTMw | White Ceramic Tile |
| MCTMt | Tan Ceramic Tile |
| MFLg | Green Linoleum |
| MFLn | Brown Linoleum |
| MFLw | White Linoleum |
| MRSk | Black Asphalt Shingle |
| MRSn | Brown Asphalt Shingle |
| MRSg | Green Asphalt Shingle |
| TFP | Flue Packing |
| TDW | Duct Wrap |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2327 North 17th Street, Milwaukee, Wisconsin, took place on September 26, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section X.

**Interior: 2327 North 17th Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the interior.**

**Exterior: 2327 North 17th Street, Milwaukee, Wisconsin**

- **Painted brick was observed on the exterior porch. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2327 North 17th Street, Milwaukee, Wisconsin** **Date: 9/26/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | Porch | Brick | Red | 0.0675 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

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

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

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

## OTHER ENVIRONMENTAL ISSUES

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

* 7 Gallons Paint in Attic

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Layered | Gray Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 001a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 002 | 2 | Layered | Gray Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 002a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 003 | 3 | Layered | Gray Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 003a | | Layered | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 004 | 4 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 100 | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 005 | 5 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |
| 006 | 6 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |
| 007 | 7 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 008 | 8 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 009 | 9 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 010 | 10 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 011 | 11 | Homogeneous | Tan Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 012 | 12 | Homogeneous | Tan Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 013 | 13 | Homogeneous | Tan Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |
| 014 | 14 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 100 | |
| 015 | 15 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 100 | |
| 016 | 16 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber | 100 | |
| 017 | 17 | Layered | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 017a | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 018 | 18 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 018a | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 019 | 19 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 019a | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 020 | 20 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 022 | 22 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 023 | 23 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 023a | | Layered | White Grout | Asbestos Not Present | NA | CaCO3 Sand |
| 023b | | Layered | Tan Mastic | Asbestos Not Present | NA | CaCO3 Glue |
| 024 | 24 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 024a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 024b | | Layered | Green Flooring | Asbestos Not Present | Cellulose | 30 | CaCO3 Vinyl |
| 025 | 25 | Layered | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 025a | | Layered | Gray Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 026 | 26 | Homogeneous | Tan Floor Tile | Asbestos Not Present | Synthetic | 10 | CaCO3 Vinyl |
| 027 | 27 | Layered | Gray Ceramic Tile | Asbestos Not Present | NA | | Clay Sand |
| 027a | | Layered | Gray Grout | Asbestos Not Present | NA | | CaCO3 Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 028 | 28 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 029 | 29 | Layered | Tan Floor Tile | Asbestos Present Chrysotile 5 | NA | CaCO3 Vinyl |
| 029a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 030 | 30 | Homogeneous | Brown Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 031 | 31 | Homogeneous | Tan Sheet Vinyl | Asbestos Not Present | Cellulose 20 | CaCO3 Vinyl |
| 032 | 32 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber 25 | Tar Sand |
| 032a | | Layered | Brown Shingle | Asbestos Not Present | Cellulose 30 | Tar Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 032b | | Layered | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 033 | 33 | Layered | Brown Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 033a | | Layered | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 034 | 34 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 034a | | Layered | Brown Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 034b | | Layered | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 035 | 35 | Layered | Red Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 035a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |
| 036 | 36 | Layered | Red Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 036a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |
| 037 | 37 | Layered | Red Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 037a | | Layered | Tan Mastic | Asbestos Not Present | NA | Glue |
| 038 | 38 | Layered | Tan Concrete | Asbestos Not Present | NA | CaCO3 Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 038a | | Layered | Gray<br>Insulation | Asbestos Present<br>Chrysotile 60 | NA | CaCO3 |
| 039 | 39 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |
| 039a | | Layered | Gray<br>Plaster | Asbestos Not Present | Cellulose 3 | Gypsum<br>Sand |
| 040 | 40 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |
| 040a | | Layered | Gray<br>Plaster | Asbestos Not Present | Cellulose 3 | Gypsum<br>Sand |
| 041 | 41 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 041a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand |
| 042 | 42 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 042a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose | 3 | Gypsum Sand |
| 043 | 43 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 043a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand |
| 044 | 44 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 044a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand |

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300490
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 11/02/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 045 | 45 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 045a | | Layered | Gray Plaster | Asbestos Not Present | Cellulose 3 | Gypsum Sand |
| 046 | 46 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 047 | 47 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 048 | 48 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |

Cassie Sanborn, Analyst

11/2/2018
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

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| For Lab Use Only | |
|---|---|
| Lab No. 300490 | |
| (Accept) | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2327 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/8/18 1700 | FedEx | | 10-9-18 10:10 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☒ | | | | |

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

QUANTEM LABORATORIES
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# ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 300496
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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

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

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For Lab Use Only
Lab No. 300490
Accept 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 | ☑ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☑ | | | | |
| 49 | | ☐ | | | | |
| 50 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 301679
Account Number: B929
Date Received: 11/07/2018
Received By: Katie Davis
Date Analyzed: 11/14/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS, 400 PTCT for 300490
Project Location: Milwaukee, WI
Project Number: 18-400-024.2327

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 35 | Homogeneous | Red<br>Floor Tile | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 002 | 36 | Homogeneous | Red<br>Floor Tile | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 003 | 37 | Homogeneous | Red<br>Floor Tile | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |

Dee Ammerman, Analyst

11/14/2018
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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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



QUANTEM LABORATORIES
www.QuanTEM.com
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. 301679
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2327 |
| P.O. Number: | |

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 11/6/18 1525 | Email | [signature] | 11-7-18 8:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 35 | ☑ | | floor tile | | QuanTEM Lab No 300490 |
| 2 | 36 | ☑ | | floor tile | | |
| 3 | 37 | ☑ | | floor tile | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 300472
**Date Received:** 10/09/18
**Received By:** Katie Davis
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 10/16/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2327

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0675 | 0.0049 | % | 10/16/18 11:58 | P EPA 7000B (1) |

**Authorized Signature:** Travis Miller

Travis Miller, Analyst

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

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

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

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

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

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

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 300472 | |
| Accept | Reject |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2327 |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/8/18 1700 | Fed Ex | [illegible] | 10-9-18 10:10 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg / ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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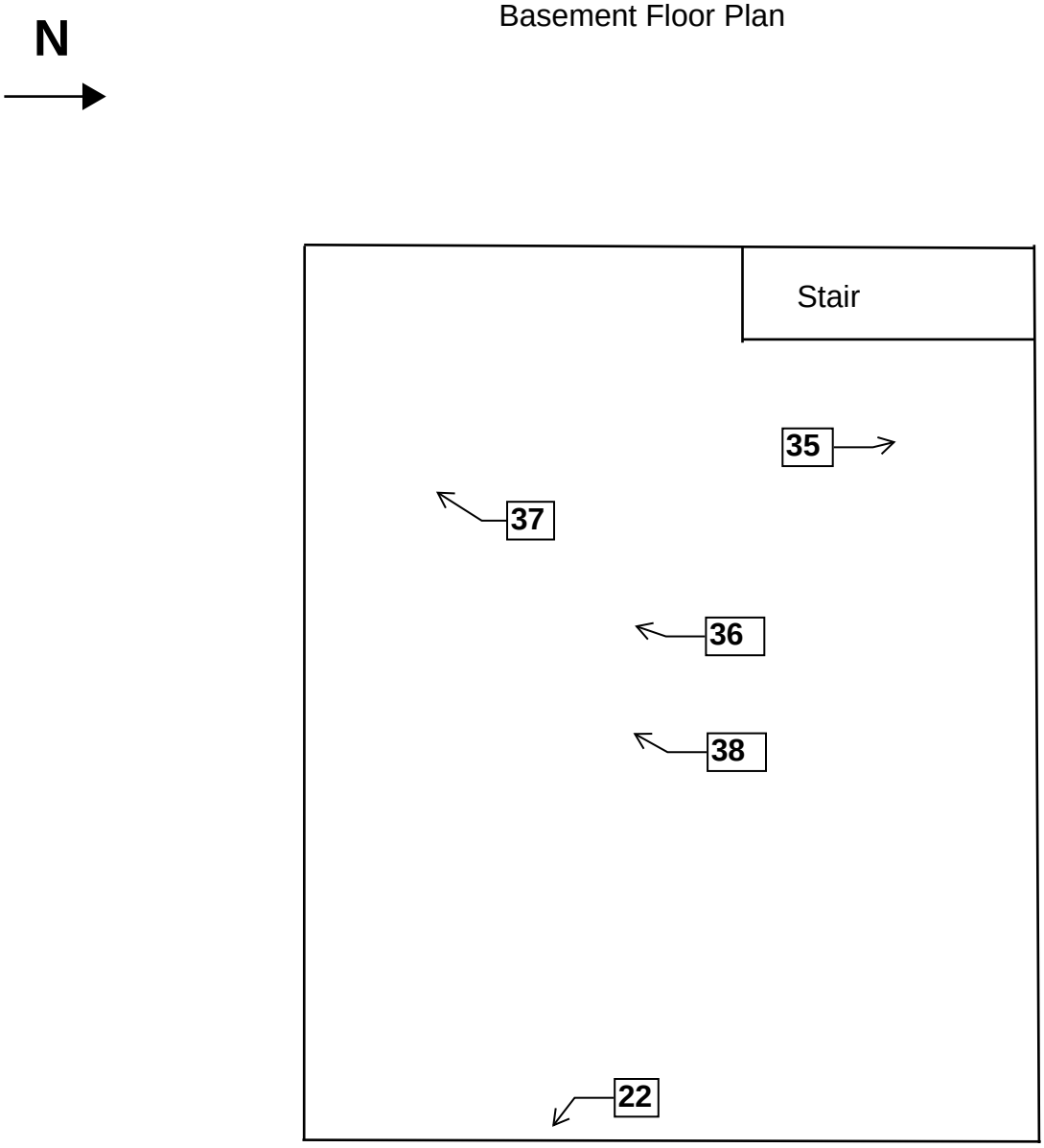
# XI. FLOOR PLANS

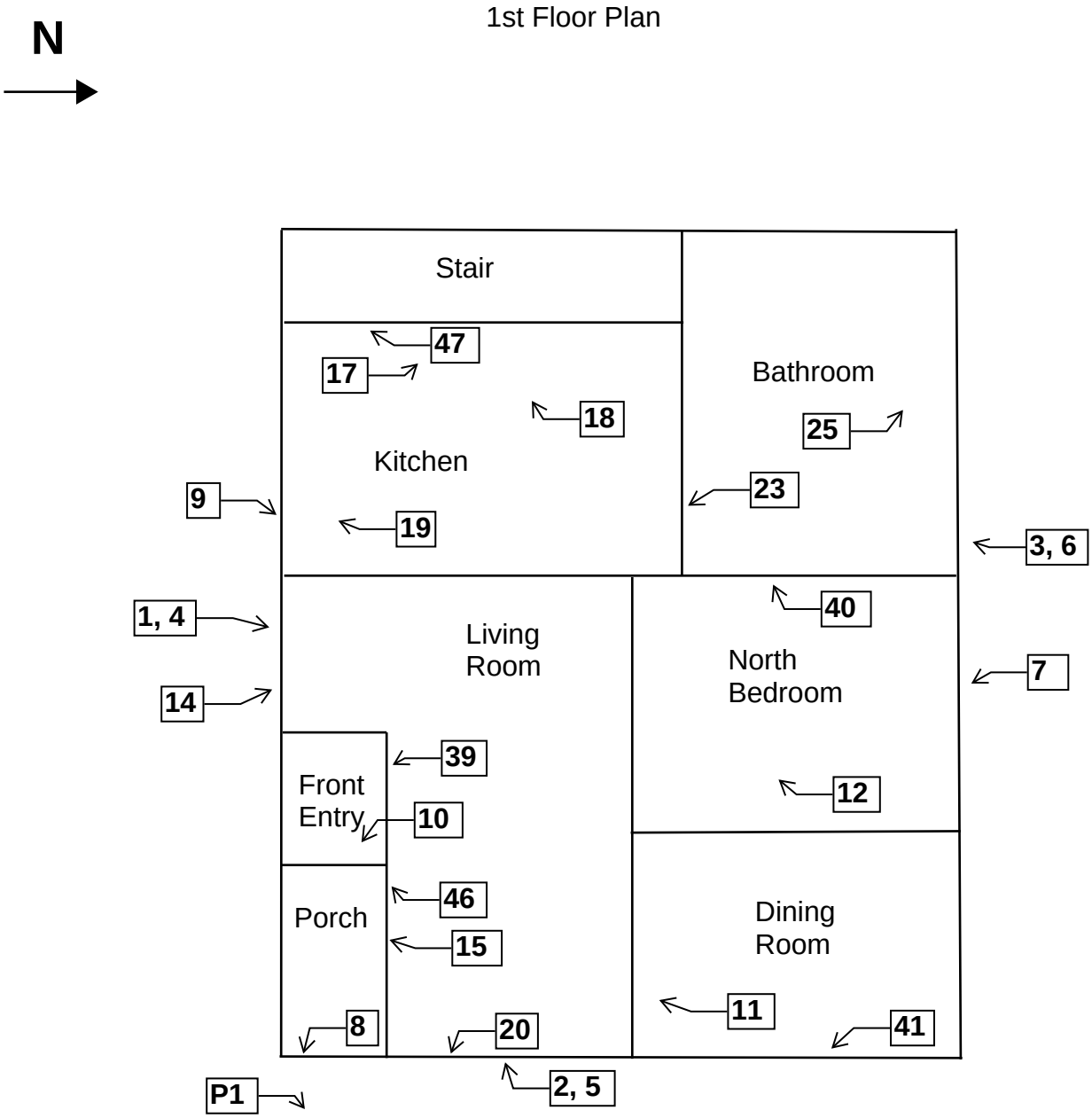
**Two Family Dwelling**
**2327 North 17th Street**
**Milwaukee, Wisconsin**

Basement Floor Plan



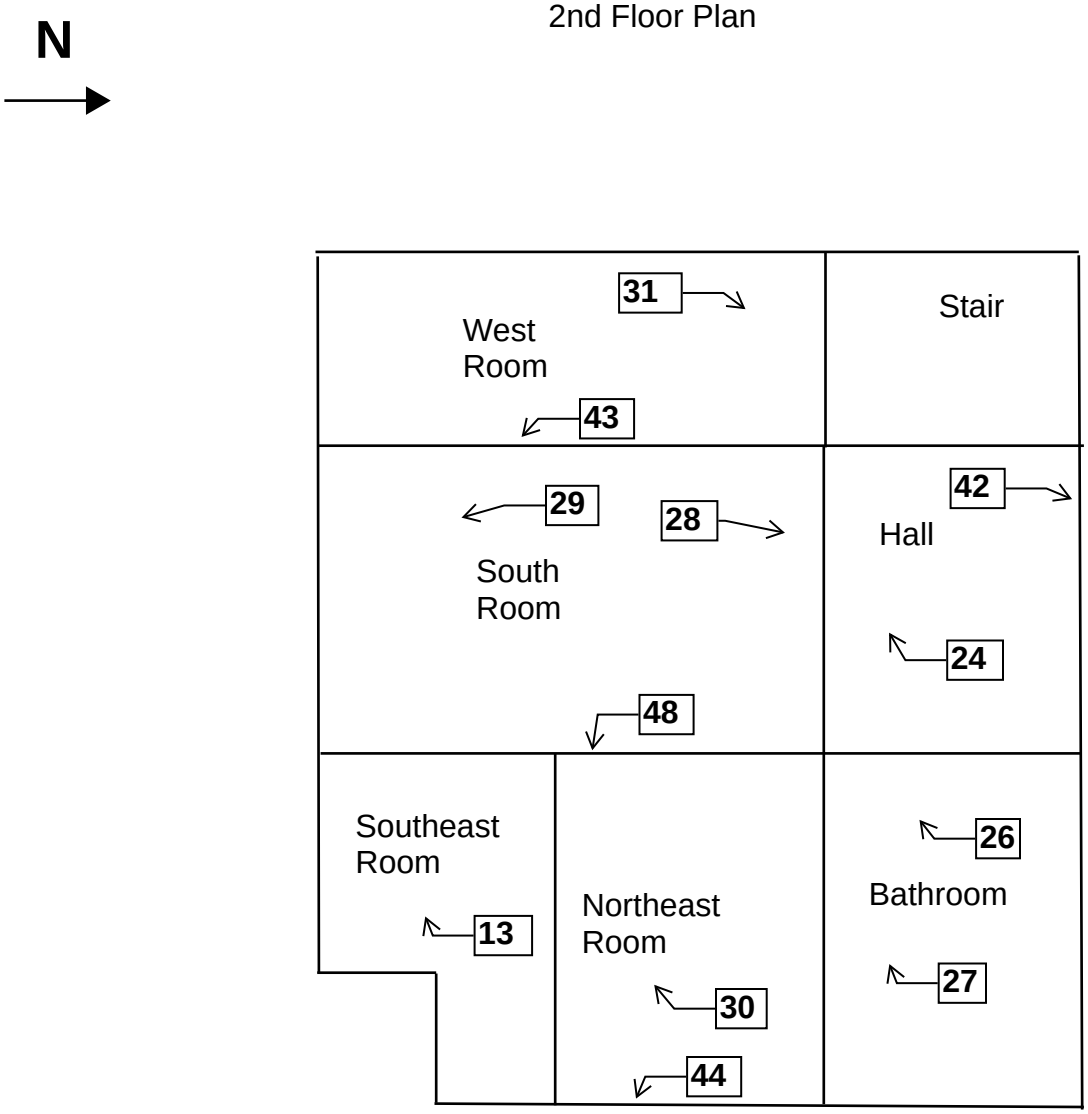
**Two Family Dwelling**
**2327 North 17th Street**
**Milwaukee, Wisconsin**

1st Floor Plan



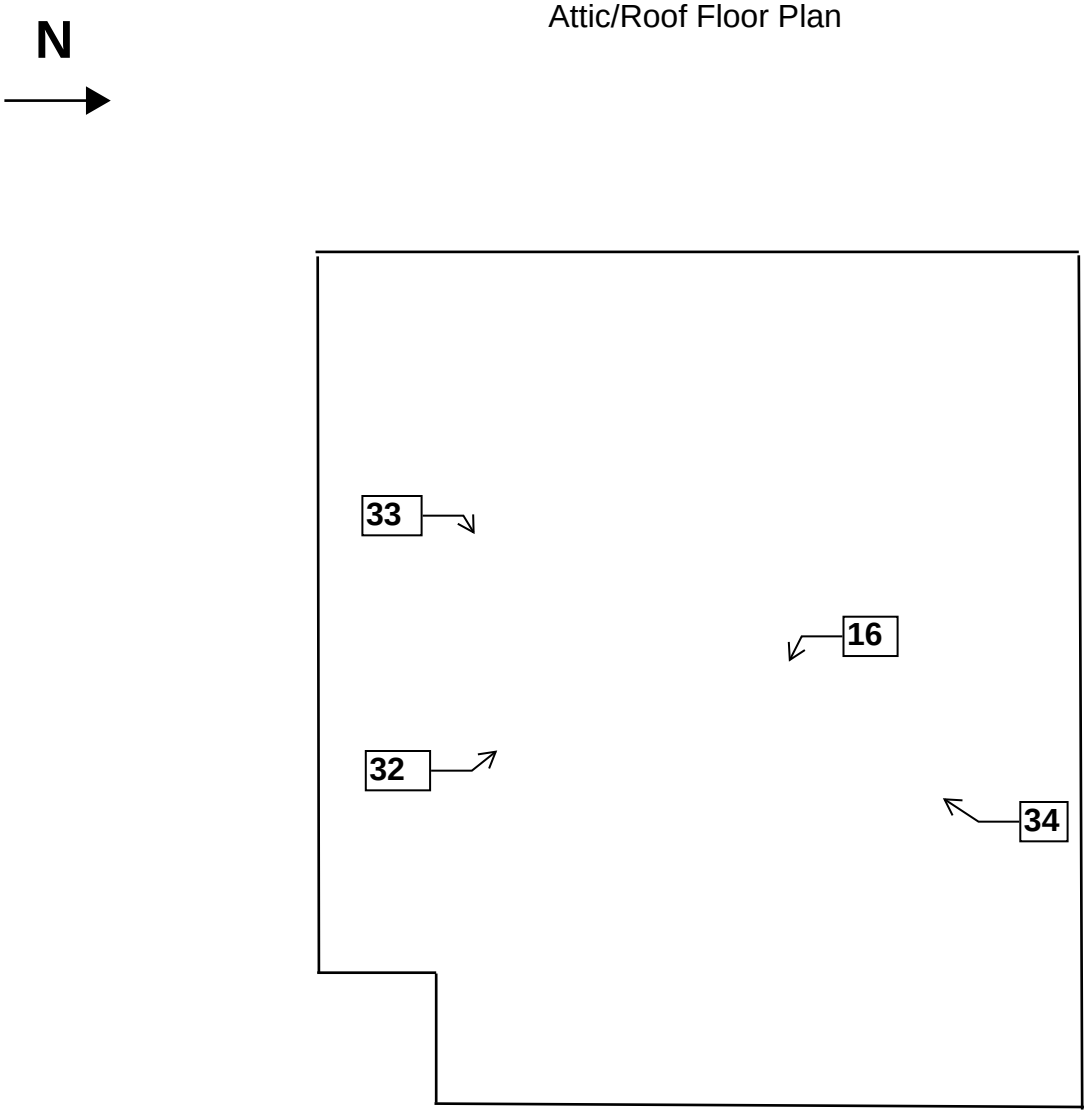
**Two Family Dwelling**
**2327 North 17th Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



**Two Family Dwelling**
**2327 North 17th Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

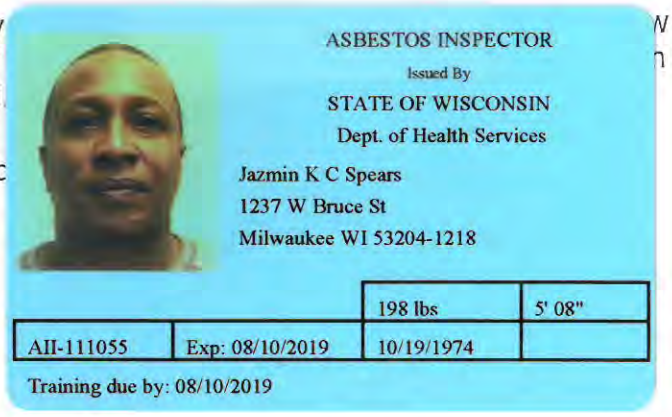
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, y N
professional responsibility. Contact us if n is
below and on the back of your blue card.

The Lead and Asbestos Certification Pro
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2445 North 17th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2445**
**Inspector: Cecil Trawick**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**October 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2445 North 17th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Cecil Trawick
Asbestos Inspector No. AII – 104769
Expiration Date: 10/2/19
Harenda Management Group

October 22, 2018

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

RE: Deconstruction Inspection Report
2445 North 17th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2445 North 17th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2445 North 17th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected in 2nd floor kitchen floor tile and basement flue packing sampled during the inspection. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the interior and exterior basement brick walls. Results are in Section V of this report.

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B. Component Testing Results

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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 and potential lead painted masonry surfaces in the two family dwelling at 2445 North 17th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl, asphalt, and wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 October 3, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2445 North 17th Street, Milwaukee, Wisconsin. The inspection was conducted by Cecil Trawick, Wisconsin License No. AII – 104769, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Tar paper
- Paper insulation
- Blown in insulation
- Flue packing
- Fiberboard
- Caulk
- Drywall/joint compound
- Texture
- Plaster
- Window glazing compound
- Linoleum

- Floor tile
- Asphalt roofing
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

### A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – east wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 2 | Exterior – north wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 3 | Exterior – south wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 4 | Exterior – east wall under asphalt shingle siding – tar paper | Negative | MPT |
| 5 | Exterior – north wall under asphalt shingle siding – tar paper | Negative | MPT |
| 6 | Exterior – south wall under asphalt shingle siding – tar paper | Negative | MPT |
| 7 | Exterior – in east wall – blown in insulation | Negative | MBI |
| 8 | Exterior – in north wall – blown in insulation | Negative | MBI |
| 9 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 10 | Exterior – east wall under wood siding – paper insulation | Negative | MPI |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 11 | Exterior – north wall under wood siding – paper insulation | Negative | MPI |
| 12 | Exterior – south wall under wood siding – paper insulation | Negative | MPI |
| 13 | Attic – on chimney – gray flue packing | Negative | TFPy |
| **14** | **Basement – on chimney – dark gray flue packing** | **Positive 8% Chrysotile** | **TFPydark** |
| 15 | 1st floor – living room – east wall – fiberboard | Negative | MFB |
| 16 | 1st floor – living room – south wall – fiberboard | Negative | MFB |
| 17 | 1st floor – living room – north wall – fiberboard | Negative | MFB |
| 18 | 1st floor – kitchen – under counter – tan caulk | Negative | MCLKt |
| 19 | 1st floor – kitchen – under counter – tan caulk | Negative | MCLKt |
| 20 | 1st floor – kitchen – under counter – tan caulk | Negative | MCLKt |
| 21 | 1st floor – bathroom/hall – south wall – drywall | Negative | MDW |
| 22a | 1st floor – pantry – west wall – joint compound | Negative | MDW |
| 22b | 1st floor – pantry – west wall – drywall | Negative | MDW |
| 23 | 1st floor – rear stair – west wall – drywall | Negative | MDW |
| 24 | 1st floor – living room – on west side ceiling – texture | Negative | STX |
| 25 | 1st floor – living room – on south side ceiling – texture | Negative | STX |
| 26 | 1st floor – living room – on east side ceiling – texture | Negative | STX |
| 27 | 1st floor – front entry – south wall – plaster | Negative | SPl |
| 28 | 1st floor – dining room – east wall – plaster | Negative | SPl |
| 29a | 1st floor – living room – west wall – plaster skim coat | Negative | SPl |
| 29b | 1st floor – living room – west wall – plaster base coat | Negative | SPl |
| 29c | 1st floor – living room – west wall – plaster base coat | Negative | SPl |
| 30a | 2nd floor – kitchen – east wall – plaster skim coat | Negative | SPl |
| 30b | 2nd floor – kitchen – east wall – plaster base coat | Negative | SPl |
| 31a | 2nd floor – northwest bedroom – north wall – plaster skim coat | Negative | SPl |
| 31b | 2nd floor – northwest bedroom – north wall – plaster base coat | Negative | SPl |
| 32 | 2nd floor – bathroom – west wall – plaster | Negative | SPl |
| 33a | 2nd floor – dining room – south wall – plaster skim coat | Negative | SPl |
| 33b | 2nd floor – dining room – south wall – plaster base coat | Negative | SPl |
| 34 | 2nd floor – kitchen – southwest under floor tile – tar paper #2 | Negative | MPT2 |
| 35 | 2nd floor – kitchen – east side under floor tile – tar paper #2 | Negative | MPT2 |
| 36 | 2nd floor – kitchen – northwest under floor tile – tar paper #2 | Negative | MPT2 |
| 37 | 1st floor – dining room – on south window – glazing compound | Negative | MPG |
| 38 | 2nd floor – northwest bedroom – on north window – glazing compound | Negative | MPG |
| 39 | Basement – on east window – glazing compound | Negative | MPG |
| 40 | Attic – near stair top layer – brown linoleum | Negative | MFLn |
| 41 | Attic – west side top layer – brown linoleum | Negative | MFLn |
| 42 | Attic – near chimney top layer – brown linoleum | Negative | MFLn |
| 43 | 1st floor – pantry – multicolored linoleum | Negative | MFLm |
| 44 | 2nd floor – closet – brown and tan linoleum | Negative | MFLnt |
| 45 | 2nd floor – back hall – white linoleum | Negative | MFLw |
| 46 | Attic – near stair bottom layer – blue linoleum | Negative | MFLb |
| 47 | Attic – west side bottom layer – blue linoleum | Negative | MFLb |
| 48 | Attic – near chimney bottom layer – blue linoleum | Negative | MFLb |
| **49a** | **2nd floor – kitchen – southwest top layer – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **49b** | **2nd floor – kitchen – southwest top layer – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **50a** | **2nd floor – kitchen – northwest top layer – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **50b** | **2nd floor – kitchen – northwest top layer – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |
| 50c | 2nd floor – kitchen – northwest top layer – under black mastic – tar paper | Negative | MF12w |
| **51a** | **2nd floor – kitchen – east top layer – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **51b** | **2nd floor – kitchen – east top layer – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |
| 52 | 1st floor – kitchen – north bottom layer – 12" brown and white floor tile | Negative | MF12nw |
| 53 | 1st floor – kitchen – west bottom layer – 12" brown and white floor tile | Negative | MF12nw |
| 54 | 1st floor – kitchen – south bottom layer – 12" brown and white floor tile | Negative | MF12nw |
| 55 | 1st floor – middle room bottom layer – 12" tan and white floor tile | Negative | MF12tw |
| 56 | 1st floor – front entry – 12" brown and black floor tile | Negative | MF12nk |
| 57 | 1st floor – kitchen – west top layer – 12" beige and brown floor tile | Negative | MF12en |
| 58 | 1st floor – kitchen – south top layer – 12" beige and brown floor tile | Negative | MF12en |
| 59 | 1st floor – kitchen – north top layer – 12" beige and brown floor tile | Negative | MF12en |
| 60a | Roof – south side – brown asphalt shingle | Negative | MRSn |
| 60b | Roof – south side – under brown asphalt shingle – tar | Negative | MRSn |
| 61 | Roof – north side – brown asphalt shingle | Negative | MRSn |
| 62 | Roof – northeast – brown asphalt shingle | Negative | MRSn |

Two (2) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Dark Gray Flue Packing | TFPydark | Basement on Chimney | 2 SF | Poor |
| 12" White Floor Tile & Black Mastic | MF12w | 2nd Floor Kitchen | 240 SF | Fair |

## Assumed Asbestos Containing Materials

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | Roof at Chimney | 4 SF | Poor |

The flashing was not accessible at the time of the inspection.

**Note #1:** The materials listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MSS | Asphalt Shingle Siding |
| MPT | Tar Paper Exterior |
| MPT2 | Tar Paper Interior |
| MPI | paper Insulation |
| MBI | Blown in Insulation |
| MFB | Fiberboard |
| MCLKt | Tan Caulk |
| MDW | Drywall/Joint Compound |
| MPG | Glazing Compound |
| MFLn | Brown Linoleum |
| MFLm | Multicolored Linoleum |
| MFLb | Blue Linoleum |
| MFLw | White Linoleum |
| MF12w | 12" White Floor Tile |
| MF12nw | 12" Brown & White Floor Tile |
| MF12tw | 12" Tan & White Floor Tile |
| MF12nk | 12" Brown & Black Floor Tile |
| MF12en | 12" Beige & Brown Floor Tile |
| MRSn | Brown Asphalt Shingle |
| TFPy | Gray Flue Packing |
| TFPydark | Dark Gray Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2445 North 17th Street, Milwaukee, Wisconsin, took place on October 3, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

**B. Component Testing Results**

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2445 North 17th Street, Milwaukee, Wisconsin**

- **Painted brick was observed on the interior basement walls. Lead based paint was not detected.**

**Exterior: 2445 North 17th Street, Milwaukee, Wisconsin**

- **Painted block and brick were observed on the exterior walls and porch. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2445 North 17th Street, Milwaukee, Wisconsin Date: 10/3/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | Porch Columns | Block | White | <0.005 |
| P2 | Exterior | West Wall | Brick | Gray | 0.106 |
| P3 | Basement | West Wall | Brick | Brown | 0.272 |
| P4 | Exterior | East Wall | Brick | Red | 0.146 |
| P5 | Basement Stair | East Wall | Brick | Gray | 0.325 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

# IX. ASBESTOS LABORATORY RESULTS

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300478
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 10/20/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Tan/Black Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 002 | 2 | Homogeneous | Tan/Black Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 003 | 3 | Homogeneous | Tan/Black Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 004 | 4 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 005 | 5 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose | 100 | |
| 006 | 6 | Homogeneous | Tan Texture | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 007 | 7 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |
| 009 | 9 | Homogeneous | Tan Insulation | Asbestos Not Present | Cellulose | 100 | |
| 010 | 10 | Homogeneous | Black/Tan Tar Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 011 | 11 | Homogeneous | Black/Tan Tar Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 012 | 12 | Homogeneous | Black/Tan Tar Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 013 | 13 | Homogeneous | Gray Plaster | Asbestos Not Present | Wollastonite | 8 | CaCO3 Sand |

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Project: DNS
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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 8 | Glass Fiber 15 | CaCO3 |
| 015 | 15 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 100 | |
| 016 | 16 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 90 | Paint |
| 017 | 17 | Homogeneous | Tan Fiberboard | Asbestos Not Present | Cellulose 90 | Paint |
| 018 | 18 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 019 | 19 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 020 | 20 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | CaCO3 Binder |

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Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 5 | Gypsum |
| 022 | 22 | Layered | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 022a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 5 | Gypsum |
| 023 | 23 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 5 | Gypsum |
| 024 | 24 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 025 | 25 | Homogeneous | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |

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Project: DNS
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Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 026 | 26 | Homogeneous | White<br>Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 027 | 27 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | Hair 5 | Gypsum<br>Sand<br>Paint |
| 028 | 28 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | Hair 5 | Gypsum<br>Sand<br>Paint |
| 029 | 29 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | Gypsum<br>Sand<br>Paint |
| 029a | | Layered | Dark Gray<br>Plaster | Asbestos Not Present | Hair <1 | CaCO3<br>Gypsum<br>Sand |
| 029b | | Layered | Light Gray<br>Plaster | Asbestos Not Present | Hair 5 | CaCO3<br>Gypsum<br>Sand |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 030 | 30 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |
| 030a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair 5 | CaCO3<br>Gypsum<br>Sand |
| 031 | 31 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Gypsum<br>Sand |
| 031a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair 5 | CaCO3<br>Gypsum<br>Sand |
| 032 | 32 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | Cellulose 5<br>Hair <1 | Gypsum<br>CaCO3<br>Sand |
| 033 | 33 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 033a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair | 5 | CaCO3<br>Gypsum<br>Sand |
| 034 | 34 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 40 | Tar |
| 035 | 35 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 40 | Tar |
| 036 | 36 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 40 | Tar |
| 037 | 37 | Homogeneous | Tan<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 038 | 38 | Homogeneous | Tan<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 039 | 39 | Homogeneous | White<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |

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Client: Harenda Management Group
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 040 | 40 | Homogeneous | Blue Linoleum | Asbestos Not Present | Cellulose | 35 | Tar Vinyl CaCO3 |
| 041 | 41 | Homogeneous | Blue Linoleum | Asbestos Not Present | Cellulose | 35 | Tar Vinyl CaCO3 |
| 042 | 42 | Homogeneous | Blue Linoleum | Asbestos Not Present | Cellulose | 35 | Tar Vinyl CaCO3 |
| 043 | 43 | Homogeneous | Blue Linoleum | Asbestos Not Present | Cellulose | 35 | Tar Vinyl CaCO3 |
| 044 | 44 | Homogeneous | Tan Linoleum | Asbestos Not Present | Cellulose | 35 | Tar Vinyl CaCO3 |
| 045 | 45 | Homogeneous | White Sheet Vinyl | Asbestos Not Present | NA | | Vinyl CaCO3 |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 046 | 46 | Homogeneous | Gray Linoleum | Asbestos Not Present | Cellulose 35 | Tar Vinyl CaCO3 |
| 047 | 47 | Homogeneous | Gray Linoleum | Asbestos Not Present | Cellulose 35 | Tar Vinyl CaCO3 |
| 048 | 48 | Homogeneous | Gray Linoleum | Asbestos Not Present | Cellulose 35 | Tar Vinyl CaCO3 |
| 049 | 49 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 049a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 050 | 50 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |

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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300478
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 10/20/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 050a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 050b | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose 40 | Tar |
| 051 | 51 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 051a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 052 | 52 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 053 | 53 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 054 | 54 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |

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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300478
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
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Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 055 | 55 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 056 | 56 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 057 | 57 | Homogeneous | Gray Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 058 | 58 | Homogeneous | Gray Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 059 | 59 | Homogeneous | Gray Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 060 | 60 | Layered | Brown/Black Shingle | Asbestos Not Present | Glass Fiber 25 | Tar Sand |

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

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300478
Account Number: B929
Date Received: 10/09/2018
Received By: Taylor Hooper
Date Analyzed: 10/20/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 060a | | Layered | Black Tar | Asbestos Not Present | NA | | Tar Sand |
| 061 | 61 | Homogeneous | Brown/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 062 | 62 | Homogeneous | Brown/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |

Benjamin Hill

Benjamin Hill, Laboratory Technician

10/20/2018

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.

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

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QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 300478
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2445 |
| P.O. Number: | |

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/8/18 1700 | FedEx | | 10-9-18 10:10 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 30478
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☒ | | | | |

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QUANTEM LABORATORIES
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# ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 30428
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☑ | | | | |

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QUANTEM LABORATORIES
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# ASBESTOS CHAIN OF CUSTODY

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. _____
Accept 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 |
|---|---|---|---|---|---|---|
| 51 | 51 | ☒ | | | | |
| 52 | 52 | ☐ | | | | |
| 53 | 53 | ☐ | | | | |
| 54 | 54 | ☐ | | | | |
| 55 | 55 | ☐ | | | | |
| 56 | 56 | ☐ | | | | |
| 57 | 57 | ☐ | | | | |
| 58 | 58 | ☐ | | | | |
| 59 | 59 | ☐ | | | | |
| 60 | 60 | ☐ | | | | |
| 61 | 61 | ☐ | | | | |
| 62 | 62 | ☑ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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

# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 300470
**Date Received:** 10/09/18
**Received By:** Katie Davis
**Date Sampled:**
**Time Sampled:**
**Analyst:** TM
**Date of Report:** 10/12/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2445

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | <0.00500 | 0.005 | % | 10/10/18 2:15 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.106 | 0.00497 | % | 10/10/18 2:15 | P EPA 7000B (1) |
| 003 | P3 | Paint | Lead | 0.272 | 0.00498 | % | 10/10/18 2:15 | P EPA 7000B (1) |
| 004 | P4 | Paint | Lead | 0.146 | 0.00492 | % | 10/10/18 2:15 | P EPA 7000B (1) |
| 005 | P5 | Paint | Lead | 0.325 | 0.00493 | % | 10/10/18 2:15 | P EPA 7000B (1) |

**Authorized Signature:** Travis Miller

Travis Miller, Analyst

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

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

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

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

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

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

QUANTEM LABORATORIES

www.QuanTEM.com

# LEAD 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. 300470 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024. 2445 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

Sampled By: Name: Date:

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 10/8/18 1200 | FedEx | [signature] | 10-9-18 10:10 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | | | | | | | | | | |
| 3 | P3 | | | | | | | | | | | | | |
| 4 | P4 | | | | | | | | | | | | | |
| 5 | P5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✔ | 3 - Day |
| | 5 - Day |

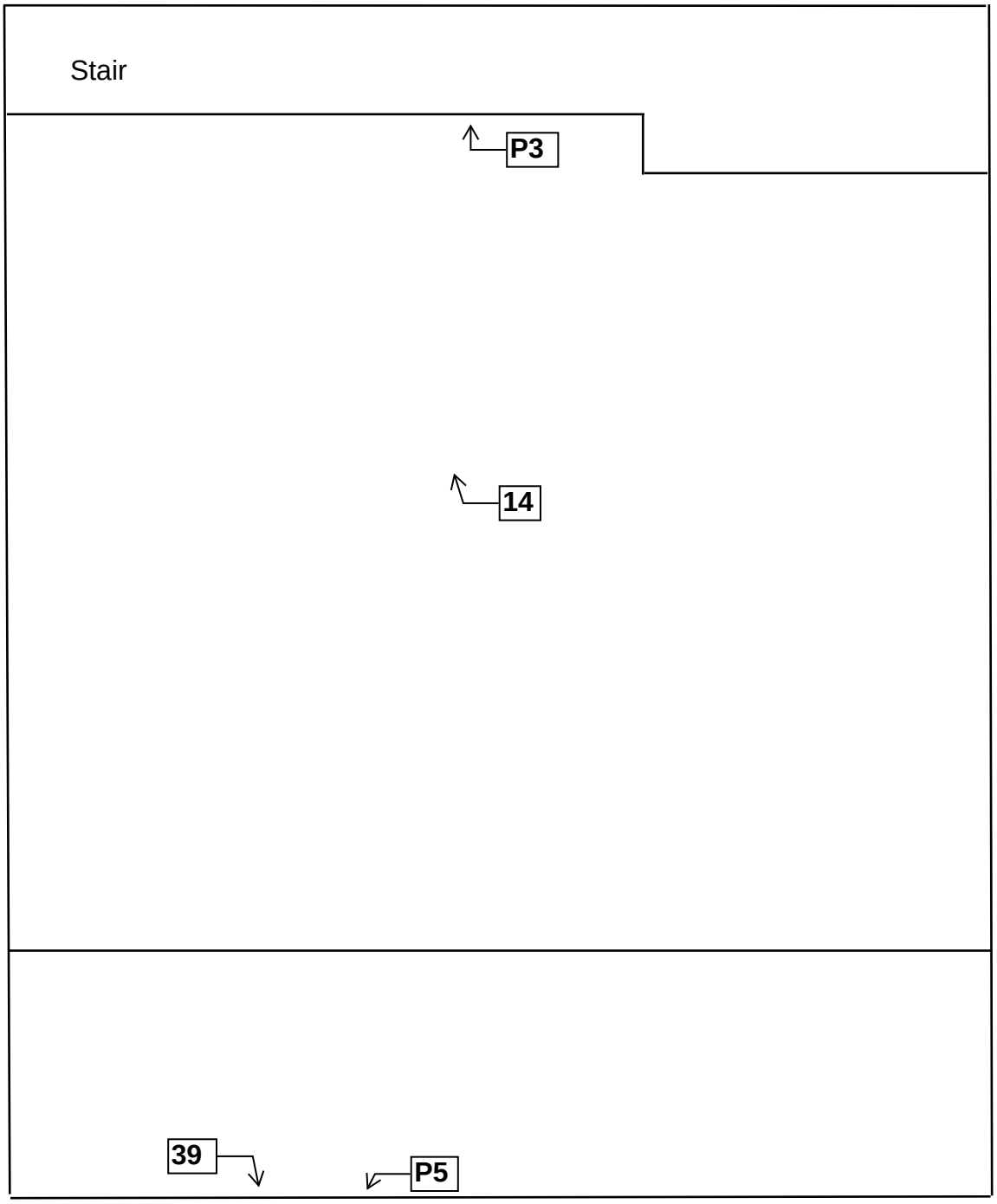
**SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE** • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

# XI. FLOOR PLANS

**Two Family Dwelling**
**2445 North 17th Street**
**Milwaukee, Wisconsin**

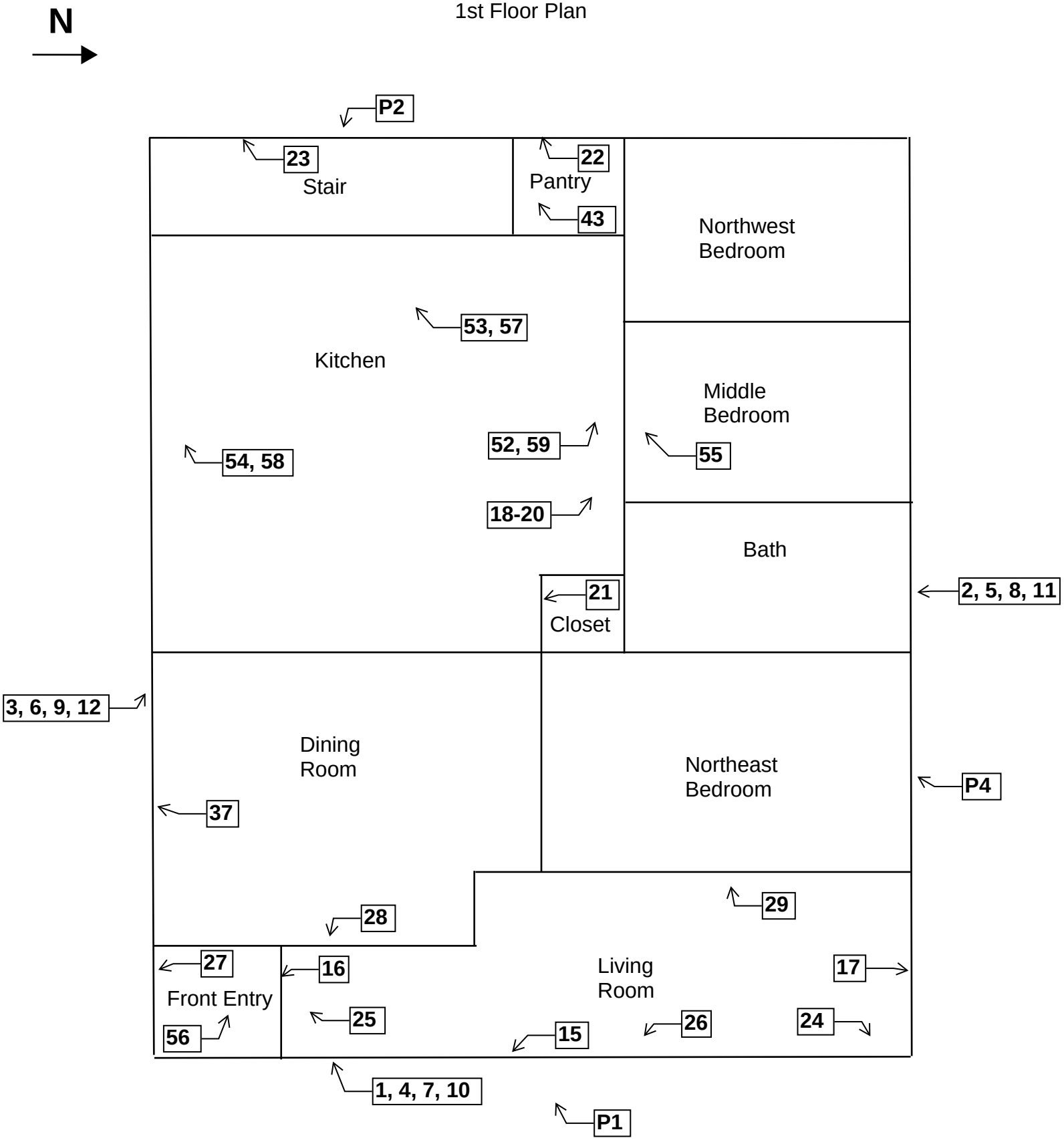
**N**

Basement Floor Plan



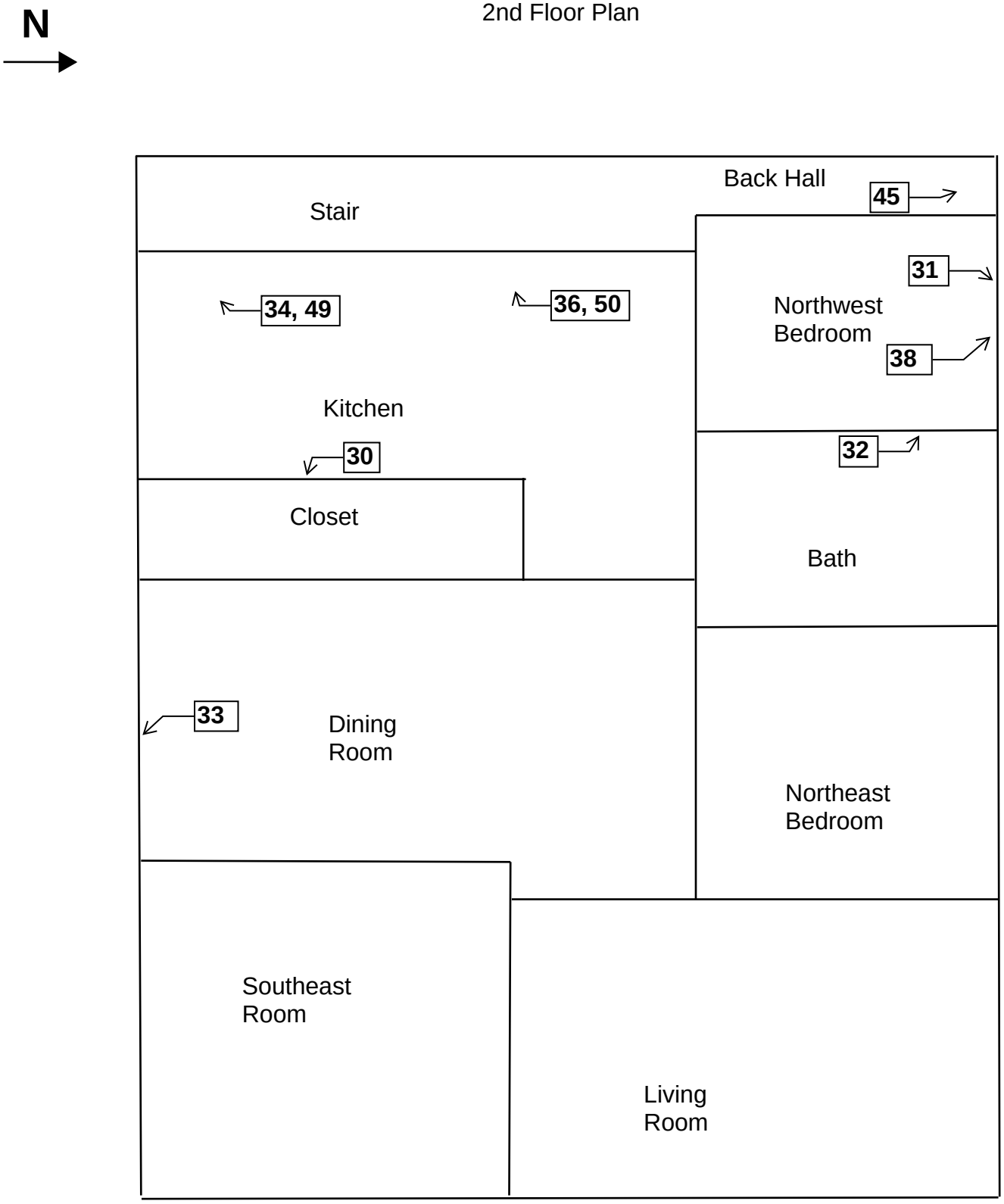
**Two Family Dwelling**
**2445 North 17th Street**
**Milwaukee, Wisconsin**

1st Floor Plan



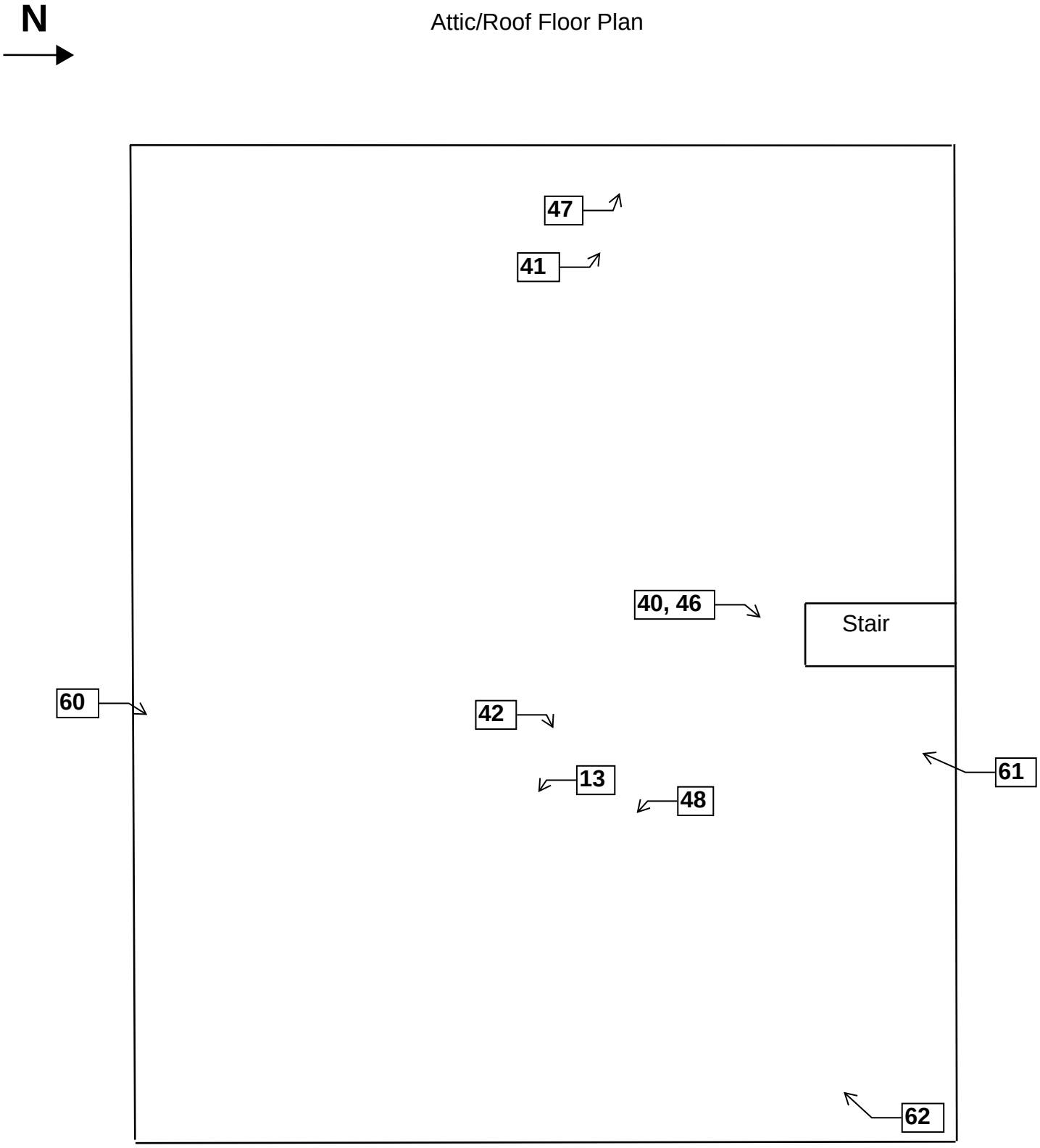
**Two Family Dwelling**
**2445 North 17th Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



**Two Family Dwelling**
**2445 North 17th Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

CECIL JAMES TRAWICK JR
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-104769

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, ... ow
professional responsibility. Contact us i... on is
below and on the back of your blue car...

The Lead and Asbestos Certification Pr...
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead

**COPY**

**DECCONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2531 North 17th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2531**
**Inspector: Damian Rogowski**
**Contract No.: 360-18-0745**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**February 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2531 North 17th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Damian Rogowski
Asbestos Inspector No. AII – 161300
Expiration Date: 3/19/18
Harenda Management Group

February 27, 2018

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

RE: Deconstruction Inspection Report
2531 North 17th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2531 North 17th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct a re-inspection at 2531 North 17th Street, Milwaukee, Wisconsin, prior to deconstruction. The property had previously been inspected for mechanical demolition in May 2017. (Asbestos Inspection Report, June 1, 2017, Harenda Management Group). HMG conducted a visual re-inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected in floor tile, linoleum, and roof flashing sampled during the re-inspection. Results are in Section IV of this report.

Lead was detected in paint on the interior and exterior block walls. Results are in Section V of this report.

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Deconstruction Inspection Report


I. Introduction ..... 1

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# I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct a re-inspection for suspect asbestos containing materials and potential lead painted masonry surfaces in the two family dwelling at 2531 North 17th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. It has vinyl on wood siding and asphalt roofing.

# II. ASEBSTOS INSPECTION

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 February 19, 2018, HMG conducted an asbestos re-inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2531 North 17th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300. This report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these elements:

1. A visual determination as to the extent of suspect asbestos containing materials remaining within the building.
2. Sampling and documentation of observable suspect asbestos containing materials.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt roofing
- Roof flashing
- Floor tile/mastic
- Linoleum/mastic
- Stucco

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

# III. ASEBSTOS LABORATORY

## A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 43 | Exterior – basement level west wall – stucco | Negative | STC |
| 44 | Exterior – basement level north wall – stucco | Negative | STC |
| 45 | Exterior – basement level south wall – stucco | Negative | STC |
| 46a | 1st floor – northwest bedroom – center top layer – 12” tan floor tile | Negative | MF12t |
| 46b | 1st floor – northwest bedroom – center top layer – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 47a | 1st floor – north bedroom – center top layer – 12” tan floor tile | Negative | MF12t |
| 47b | 1st floor – north bedroom – center top layer – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 48a | 1st floor – northwest bedroom – center top layer – 12” tan floor tile | Negative | MF12t |
| 48b | 1st floor – northwest bedroom – center top layer – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| 49a | 1st floor – northwest bedroom – center bottom layer – 12” blue floor tile | Negative | MF12b |
| 49b | 1st floor – northwest bedroom – center bottom layer – under 12” blue floor tile – brown mastic | Negative | MF12b |
| 50a | 1st floor – bathroom – top layer – 12” blue floor tile | Negative | MF12b |
| 50b | 1st floor – bathroom – top layer – under 12” blue floor tile – yellow mastic | Negative | MF12b |
| 51a | 1st floor – north bedroom – center bottom layer – 12” blue floor tile | Negative | MF12b |
| 51b | 1st floor – north bedroom – center bottom layer – under 12” blue floor tile – yellow mastic | Negative | MF12b |
| 52a | 1st floor – bathroom – 2nd layer – 12” brown floor tile | Negative | MF12n |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 52b | 1st floor – bathroom – 2nd layer – under 12" brown floor tile – yellow mastic | Negative | MF12n |
| **53a** | **1st floor – bathroom – bottom layer – 12" gold floor tile** | **Positive 2% Chrysotile** | **MF12d** |
| 53b | 1st floor – bathroom – bottom layer – under 12" gold floor tile – yellow mastic | Negative | MF12n |
| **54a** | **1st floor – kitchen – gold linoleum** | **Positive 20% Chrysotile** | **MFLd** |
| 54b | 1st floor – kitchen – under gold linoleum – leveling compound | Negative | MFLd |
| 55 | 1st floor – front entry – under carpet – 12" brown and tan floor tile | Negative | MF12nt |
| 56 | 1st floor – front entry – bottom layer – brown and tan linoleum | Negative | MFLnt |
| 57a | 1st floor – stair landing – top layer – 12" gray floor tile | Negative | MF12y |
| 57b | 1st floor – stair landing – top layer – under 12" gray floor tile – yellow mastic | Negative | MF12y |
| **57c** | **1st floor – stair landing – 2nd layer – brown linoleum** | **Positive 20% Chrysotile** | **MFLn** |
| **58** | **1st floor – stair landing – bottom layer – white linoleum** | **Positive 20% Chrysotile** | **MFLw** |
| 59 | 2nd floor – bathroom – 12" gray and tan floor tile | Negative | MF12yt |
| 60 | Roof – north side top layer – red asphalt shingle | Negative | MRSr |
| 61 | Roof – east side top layer – red asphalt shingle | Negative | MRSr |
| 62 | Roof – south side top layer – red asphalt shingle | Negative | MRSr |
| 63 | Roof – north side bottom layer – tar paper | Negative | MPT |
| 64 | Roof – east side bottom layer – tar paper | Negative | MPT |
| 65 | Roof – south side bottom layer – tar paper | Negative | MPT |
| **66** | **Roof – on front porch roof – flashing** | **Positive 10% Chrysotile** | **MRF** |

Five (5) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" Gold Floor Tile | MF12d | 1st Floor Bathroom 3rd Layer | 35 SF | Fair |
| Gold Linoleum | MFLd | 1st Floor Kitchen | 270 SF | Fair |
| Brown Linoleum | MFLn | 1st Floor Stair Landing 2nd Layer | 10 SF | Fair |
| White Linoleum | MFLw | 1st Floor Stair Landing Bottom Layer | 10 SF | Fair |
| Roof Flashing | MRF | Front Porch Roof at Wall, Main Roof at Chimney | 10 SF | Fair |

**Note #1:** The floor tile, linoleums, and flashing are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity

begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building.

**Note#2:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| STC | Stucco |
| MF12t | 12" Tan Floor Tile |
| MF12b | 12" Blue Floor Tile |
| MF12n | 12" Brown Floor Tile |
| MF12d | 12" Gold Floor Tile |
| MF12nt | 12" Brown & Tan Floor Tile |
| MF12y | 12" Gray Floor Tile |
| MF12yt | 12" Gray & Tan Floor Tile |
| MFLd | Gold Linoleum |
| MFLnt | Brown & Tan Gold Linoleum |
| MFLn | Brown Linoleum |
| MFLw | White Linoleum |
| MRSr | Red Asphalt Shingle |
| MPT | Tar Paper |
| MRF | Flashing |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling testing at the gas station at 2531 North 17th Street, Milwaukee, Wisconsin, took place on February 19, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2531 North 17th Street, Milwaukee, Wisconsin**

- **Painted brick was observed on basement walls. Lead was not detected.**

**Exterior: 2531 North 17th Street, Milwaukee, Wisconsin**

- **Painted brick was observed on exterior walls. Lead was not detected**.

The following are the laboratory results.

**Site: 2531 North 17th Street, Milwaukee, Wisconsin Date: 2/19/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P01 | Exterior | West Basement Wall | Brick | Brown | <0.00492 |
| P02 | Basement | Southeast Wall | Brick | White | <0.00493 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

# VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 291076
Account Number: B929
Date Received: 02/21/2018
Received By: Amber Bassett
Date Analyzed: 02/26/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 43 | Homogeneous | Brown Siding | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 002 | 44 | Homogeneous | Brown Siding | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 003 | 45 | Homogeneous | Brown Siding | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 004 | 46 | Layered | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 004a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 005 | 47 | Layered | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 005a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 006 | 48 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 006a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 007 | 49 | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 007a | | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 007b | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 008 | 50 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 008a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 009 | 51 | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 009a | | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 009b | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 010 | 52 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 010a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 291076
Account Number: B929
Date Received: 02/21/2018
Received By: Amber Bassett
Date Analyzed: 02/26/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 011 | 53 | Layered | Tan Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 011a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 012 | 54 | Layered | Yellow Sheet Vinyl | Asbestos Present Chrysotile 20 | NA | CaCO3 Vinyl |
| 012a | | Layered | White Leveling Compound | Asbestos Not Present | NA | Gypsum |
| 013 | 55 | Homogeneous | Beige Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014 | 56 | Homogeneous | Brown Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl |
| 015 | 57 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 291076
Account Number: B929
Date Received: 02/21/2018
Received By: Amber Bassett
Date Analyzed: 02/26/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 015a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 015b | | Layered | Gray Sheet Vinyl | Asbestos Present Chrysotile 20 | Cellulose 10 | CaCO3 Vinyl |
| 016 | 58 | Homogeneous | Brown Sheet Vinyl | Asbestos Present Chrysotile 30 | NA | CaCO3 Vinyl |
| 017 | 59 | Homogeneous | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 018 | 60 | Homogeneous | Brown Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 019 | 61 | Homogeneous | Brown Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |

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

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# Polarized Light Microscopy Asbestos Analysis Report

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Received By: Amber Bassett
Date Analyzed: 02/26/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2531

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 020 | 62 | Homogeneous | Brown Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 021 | 63 | Homogeneous | Brown Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 022 | 64 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 70 | Tar |
| 023 | 65 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 70 | Tar |
| 024 | 66 | Homogeneous | Black Tar | Asbestos Present Chrysotile 10 | NA | Tar |

Cassie Sanborn

Cassie Sanborn, Analyst

2/26/2018
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.

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 291076 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2531 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 2/20/18 1700 | FedEx | Amber Barrett 12:20 | 2/21/18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 43 | ☒ | | | | |
| 2 | 44 | ☐ | | | | |
| 3 | 45 | ☐ | | | | |
| 4 | 46 | ☐ | | | | |
| 5 | 47 | ☐ | | | | |
| 6 | 48 | ☐ | | | | |
| 7 | 49 | ☐ | | | | |
| 8 | 50 | ☐ | | | | |
| 9 | 51 | ☐ | | | | |
| 10 | 52 | ☑ | | | | |

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

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 291076
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 53 | ☒ | | | | |
| 12 | 54 | ☐ | | | | |
| 13 | 55 | ☐ | | | | |
| 14 | 56 | ☐ | | | | |
| 15 | 57 | ☐ | | | | |
| 16 | 58 | ☐ | | | | |
| 17 | 59 | ☐ | | | | |
| 18 | 60 | ☐ | | | | |
| 19 | 61 | ☐ | | | | |
| 20 | 62 | ☐ | | | | |
| 21 | 63 | ☐ | | | | |
| 22 | 64 | ☐ | | | | |
| 23 | 65 | ☐ | | | | |
| 24 | 66 | ☒ | | | | |
| 25 | | ☐ | | | | |
| 26 | | ☐ | | | | |
| 27 | | ☐ | | | | |
| 28 | | ☐ | | | | |
| 29 | | ☐ | | | | |
| 30 | | ☐ | | | | |

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

# IX. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 291075
**Date Received:** 02/21/18
**Received By:** Amber Bassett
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 02/26/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2531

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | PO1 | Paint | Lead | <0.00492 | 0.00492 | % | 02/22/18 15:59 | P EPA 7000B (1) |
| 002 | PO2 | Paint | Lead | <0.00493 | 0.00493 | % | 02/22/18 15:59 | P EPA 7000B (1) |

**Authorized Signature:**

Cherry Rossen, Technical Manager

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

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

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

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

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

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

QUANTEM LABORATORIES

www.QuanTEM.com

# LEAD 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. 291075 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2531 |

| Report Results (☑ one box) | |
|---|---|
| ✓ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 2/20/18 1700 | FedEx | Ambre Barnett 912-20 | 2/21/18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P01 | | | | B | X | | | | X | | | | |
| 2 | P02 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✓ | 3 - Day |
| | 5 - Day |

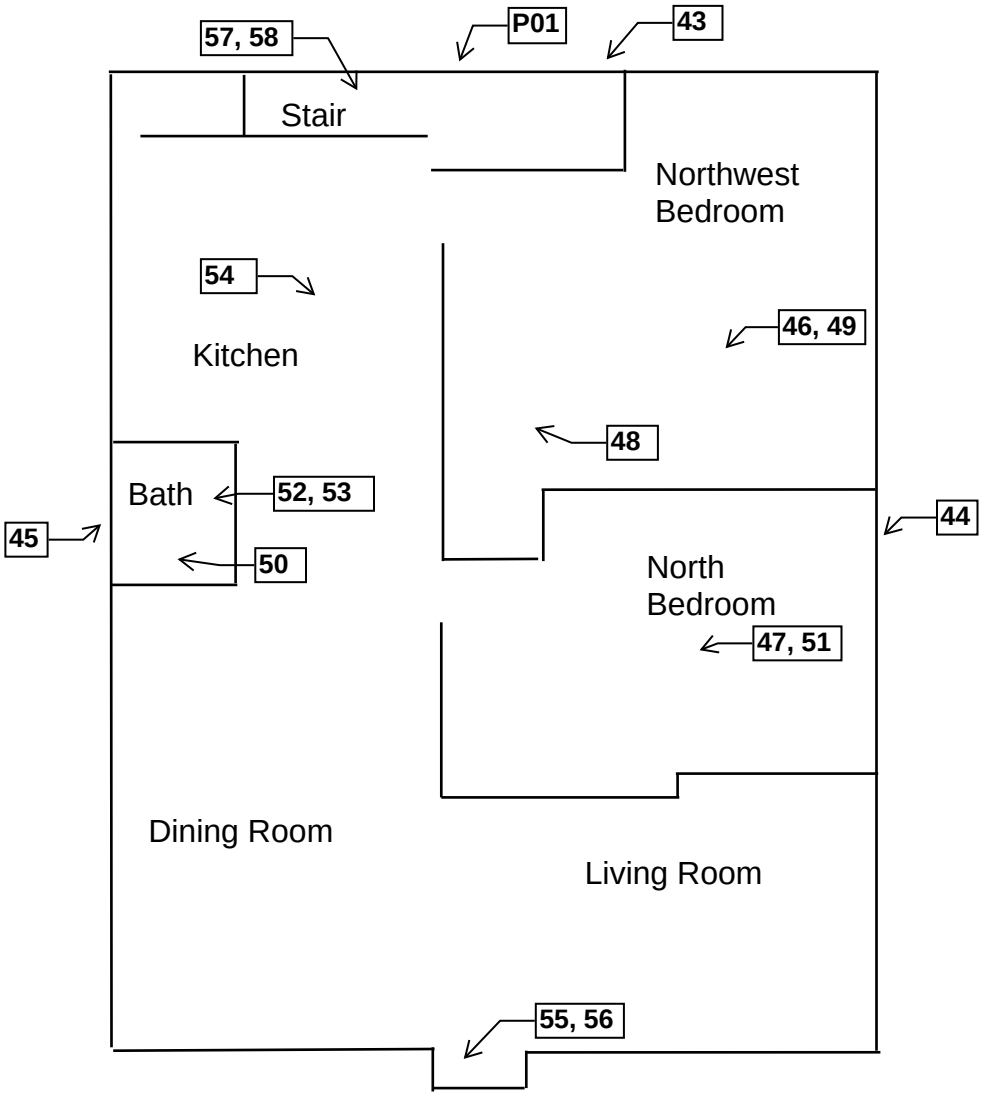
**SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"**

# X. FLOOR PLANS

**Two Family Dwelling**
**2531 North 17th Street**
**Milwaukee, Wisconsin**

**N**

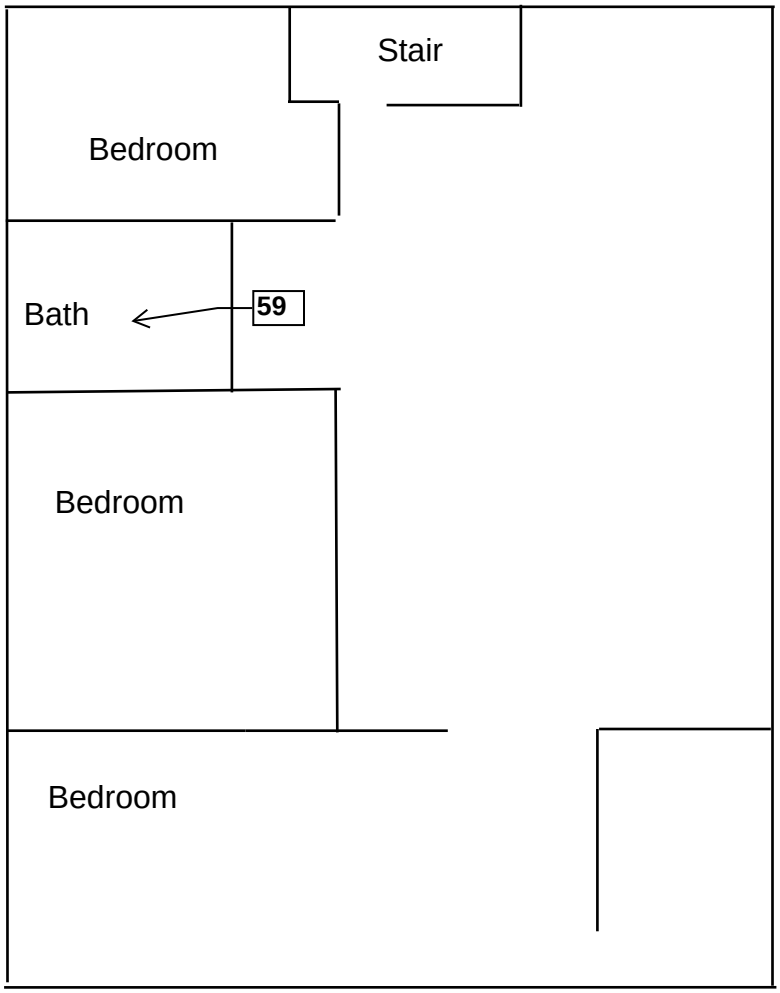
1st Floor Plan



**Two Family Dwelling**
**2531 North 17th Street**
**Milwaukee, Wisconsin**

**N**

2nd Floor Plan



# XI. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

April 10, 2017

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you protect y
professional responsibility. Contact us if you have an
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead

**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2138-40 North 18th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2138-40**
**Inspector: Damian Rogowski**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**December 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2138-40 North 18th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Damian Rogowski
Asbestos Inspector No. AII – 161300
Expiration Date: 3/19/19
Harenda Management Group

December 5, 2018

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

RE: Deconstruction Inspection Report
2138-40 North 18th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2138-40 North 18th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2138-40 North 18th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in basement duct wrap, flue packing, and 1st floor linoleum sampled during the inspection. Asbestos was detected at less than 1% in 1st floor room 103 joint compound on drywall. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the exterior basement walls. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling at 2138-40 North 18th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl, asphalt, and wood walls with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 September 26, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2138-40 North 18th Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Paper insulation
- Blown in insulation
- Glazing compound
- Floor tile
- Linoleum
- Drywall/joint compound
- Wallpaper
- Texture
- Duct wrap
- Flue packing
- Fiberboard

- Asphalt roofing
- Plaster
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy (PLM). A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section VIII.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – north wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 2 | Exterior – west wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 3 | Exterior – south wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 4 | Exterior – north wall under wood siding – tan paper insulation | Negative | MPIt |
| 5 | Exterior – west wall under wood siding – tan paper insulation | Negative | MPIt |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 6 | Exterior – south wall under wood siding – tan paper insulation | Negative | MPIt |
| 7 | Exterior – in north wall – blown in insulation | Negative | MBI |
| 8 | Exterior – in west wall – blown in insulation | Negative | MBI |
| 9 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 10 | Exterior – on west window – glazing compound | Negative | MPG |
| 11 | Exterior – on south window – glazing compound | Negative | MPG |
| 12 | Exterior – on north window – glazing compound | Negative | MPG |
| 13a | 1st floor – room 100 top layer – 12" white floor tile | Negative | MF12w |
| 13b | 1st floor – room 100 top layer – under 12" white floor tile – yellow mastic | Negative | MF12w |
| 14a | 1st floor – room 101 – 12" white floor tile | Negative | MF12w |
| 14b | 1st floor – room 101 – under 12" white floor tile – yellow mastic | Negative | MF12w |
| 15a | 1st floor – room 102 – 12" white floor tile | Negative | MF12w |
| 15b | 1st floor – room 102 – under 12" white floor tile – yellow mastic | Negative | MF12w |
| **16** | **1st floor – room 100 5th layer – yellow linoleum** | **Positive 25% Chrysotile** | **MFLl** |
| 17a | 1st floor – room 100 – north wall – joint compound | Negative | MDW |
| 17b | 1st floor – room 100 – north wall – drywall | Negative | MDW |
| 18a | 1st floor – room 103 – ceiling – joint compound | Positive 2% Chrysotile | MDW |
| 18a | POINT COUNT RESULT | Trace <0.25% Chrysotile | MDW |
| 18b | 1st floor – room 103 – ceiling – drywall | Negative | MDW |
| 19a | 2nd floor – room 206 – south wall – joint compound | Negative | MDW |
| 19b | 2nd floor – room 206 – south wall – drywall | Negative | MDW |
| 20 | 1st floor – room 104 top layer – 12" green and gray floor tile | Negative | MF12gy |
| 21a | 1st floor – room 104 – on walls – wallpaper | Negative | MWP |
| 21b | 1st floor – room 104 – on walls – under wallpaper – brown mastic | Negative | MWP |
| 22a | 1st floor – room 104 bottom layer – black linoleum | Negative | MFLk |
| 22b | 1st floor – room 104 bottom layer – under black linoleum – tan mastic | Negative | MFLk |
| 23 | 1st floor – room 105 – 12" tan and brown floor tile | Negative | MF12tn |
| 24 | 1st floor – room 104 – on northwest wall under wood panel – tan mastic | Negative | MPMt |
| 25 | 1st floor – room 106 top layer – 12" gray floor tile | Negative | MF12y |
| 26 | 1st floor – room 109 – on west wall – texture | Negative | STX |
| 27 | 1st floor – room 109 – on ceiling – texture | Negative | STX |
| 28 | 1st floor – room 109 – on east wall – texture | Negative | STX |
| 29a | 1st floor – room 109 – orange linoleum | Negative | MFLo |
| 29b | 1st floor – room 109 – under orange linoleum – brown mastic | Negative | MFLo |
| **30** | **Basement – on east duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **31** | **Basement – on center duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **32** | **Basement – on west duct – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **33** | **Basement – on chimney – flue packing** | **Positive 10% Chrysotile** | **TFP** |
| 34 | Basement – west side top layer – gray and black linoleum | Negative | MFLyk |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 35 | Basement – west side bottom layer – green and black linoleum | Negative | MFLgk |
| 36a | 2nd floor – room 108 – on landing top layer – 12" white and tan floor tile | Negative | MF12wt |
| 36b | 2nd floor – room 108 – on landing top layer – under 12" white and tan floor tile – yellow mastic | Negative | MF12wt |
| 36c | 2nd floor – room 108 – on landing bottom layer – orange and tan linoleum | Negative | MFLot |
| 37a | 2nd floor – room 206 – 12" white and gray floor tile | Negative | MF12wy |
| 37b | 2nd floor – room 206 – under 12" white and gray floor tile – yellow mastic | Negative | MF12wy |
| 38 | 2nd floor – room 205 – 12" green and black floor tile | Negative | MF12gk |
| 39 | 2nd floor – room 204 top layer – 12" brown floor tile | Negative | MF12n |
| 40 | 2nd floor – room 204 bottom layer – white linoleum | Negative | MFLw |
| 41a | 2nd floor – room 200 – 12" white and black floor tile | Negative | MF12wk |
| 41b | 2nd floor – room 200 – under 12" white and black floor tile – yellow mastic | Negative | MF12wk |
| 42 | Attic – east wall – fiberboard | Negative | MFB |
| 43 | Attic – west wall – fiberboard | Negative | MFB |
| 44 | Attic – ceiling – fiberboard | Negative | MFB |
| 45 | Roof – northwest – red asphalt shingle | Negative | MRSr |
| 46 | Roof – south – red asphalt shingle | Negative | MRSr |
| 47 | Roof – southeast – red asphalt shingle | Negative | MRSr |
| 48a | 2nd floor – room 202 – east wall – plaster skim coat | Negative | SPl |
| 48b | 2nd floor – room 202 – east wall – plaster base coat | Negative | SPl |
| 49a | 2nd floor – room 201 – east wall – plaster skim coat | Negative | SPl |
| 49b | 2nd floor – room 201 – east wall – plaster base coat | Negative | SPl |
| 50a | 1st floor – room 104 – south wall – joint compound layer | Negative | SPl |
| 50b | 1st floor – room 104 – south wall – plaster skim coat | Negative | SPl |
| 50c | 1st floor – room 104 – south wall – plaster base coat | Negative | SPl |
| 51 | 1st floor – room 100 – south wall – plaster | Negative | SPl |
| 52a | 1st floor – room 106– west wall – plaster skim coat | Negative | SPl |
| 52b | 1st floor – room 106– west wall – plaster base coat | Negative | SPl |

Three (3) of the materials sampled contains greater than 1% asbestos and is an asbestos containing material (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Yellow Linoleum | MFLl | 1st Floor Room 100 5th Layer (Under Floor Tile & Plywood) | 80 SF | Good |
| Duct Wrap | TDW | Basement on Boots | 12 SF | Poor |
| Flue Packing | TFP | Basement on Chimney | 4 SF | Poor |

One (1) of the materials sampled contains less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Joint Compound on Drywall | MDW | 1st Floor Room 103 Walls & Ceiling | 500 SF | Fair |

## Assumed Asbestos Containing Materials

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | Roof at Chimney | 3 SF | Good |

The flashing was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that these materials be abated prior to deconstruction.

**Note#2:** The joint compound on drywall contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

HMG recommends that the joint compound on drywall be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| MSS | Asphalt Shingle Siding |
| MBI | Blown in Insulation |
| MPG | Glazing Compound |
| MPIt | Tan Paper Insulation |
| MF12w | 12” White Floor Tile |
| MF12gy | 12” Green & Gray Floor Tile |
| MF12y | 12” Gray Floor Tile |
| MF12wt | 12” Green & Gray Floor Tile |
| MF12wy | 12” White & Gray Floor Tile |
| MF12tn | 12” Tan & Brown Floor Tile |
| MF12gk | 12” Green & Black Floor Tile |
| MF12n | 12” Brown Floor Tile |
| MF12wk | 12” White & Black Floor Tile |
| MSCT24 | 2’ x 4’ Ceiling Tile |
| MFLl | Yellow Linoleum |
| MFLk | Black Linoleum |
| MFLnl | Brown & Yellow Linoleum |
| MFLyk | Gray & Black Linoleum |
| MFLgk | Green & Black Linoleum |
| MFLw | White Linoleum |

**Homogeneous Material Codes**

| | |
|---|---|
| MWP | Wallpaper |
| MPMt | Tan Wall Panel Mastic |
| MFB | Fiberboard |
| MRSn | Brown Asphalt Shingle |
| MRSr | Red Asphalt Shingle |
| TDW | Duct Wrap |
| TFP | Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2138-40 North 18th Street, Milwaukee, Wisconsin, took place on September 26, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2138-40 North 18th Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the interior.**

**Exterior: 2138-40 North 18th Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the exterior basement walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2138-40 North 18th Street, Milwaukee, Wisconsin** **Date: 9/26/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | South Wall | Block | Brown | 0.0688 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS - 2 Breaker Boxes in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

| | |
|---|---|
| N/A | Hazardous Waste |
| N/A | Oil Tanks |
| N/A | Well Abandonment |
| 9 | Junk Auto Tires – Exterior, Basement |
| N/A | Junk Vehicles |

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300156
Account Number: B929
Date Received: 10/01/2018
Received By: Taylor Hooper
Date Analyzed: 10/22/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| 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 | 70 | Tar Sand |
| 002 | 2 | Homogeneous | Multi-Color Siding | Asbestos Not Present | Cellulose | 70 | Tar Sand |
| 003 | 3 | Homogeneous | Multi-Color Siding | Asbestos Not Present | Cellulose | 70 | Tar Sand |
| 004 | 4 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 005 | 5 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 006 | 6 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 007 | 7 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 009 | 9 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 010 | 10 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 011 | 11 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 012 | 12 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 013 | 13 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 013a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 014 | 14 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 015 | 15 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 015a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 016 | 16 | Homogeneous | Yellow Sheet Vinyl | Asbestos Present<br>Chrysotile 25 | NA | CaCO3 Vinyl |
| 017 | 17 | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 017a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 018 | 18 | Layered | White Joint Compound | Asbestos Present Chrysotile 2 | NA | CaCO3 |
| 018a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 019 | 19 | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 019a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 020 | 20 | Homogeneous | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 021 | 21 | Layered | Gray<br>Paper | Asbestos Not Present | Cellulose<br>Synthetic | 80<br>20 | |
| 021a | | Layered | Brown<br>Mastic | Asbestos Not Present | NA | | Glue |
| 022 | 22 | Layered | Gray<br>Flooring | Asbestos Not Present | Cellulose | 35 | CaCO3<br>Vinyl |
| 022a | | Layered | Tan<br>Mastic | Asbestos Not Present | NA | | Glue<br>CaCO3 |
| 023 | 23 | Homogeneous | Beige<br>Floor Tile | Asbestos Not Present | NA | | CaCO3<br>Vinyl |
| 024 | 24 | Layered | White<br>Wallboard | Asbestos Not Present | Cellulose | 80 | Binder |
| 024a | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | | Glue<br>CaCO3 |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 025 | 25 | Homogeneous | Gray Surfacing | Asbestos Not Present | NA | CaCO3 Sand |
| 026 | 26 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 027 | 27 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 028 | 28 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 029 | 29 | Layered | Orange Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 029a | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue CaCO3 |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 030 | 30 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 60 | Cellulose | 30 | Binder |
| 031 | 31 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 60 | Cellulose | 30 | Binder |
| 032 | 32 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 60 | Cellulose | 30 | Binder |
| 033 | 33 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile | 10 | Glass Fiber | 60 | CaCO3 |
| 034 | 34 | Homogeneous | Gray Linoleum | Asbestos Not Present | | Cellulose | 35 | CaCO3 Vinyl Tar |
| 035 | 35 | Homogeneous | Black Linoleum | Asbestos Not Present | | Cellulose | 35 | CaCO3 Vinyl Tar |
| 036 | 36 | Layered | White Floor Tile | Asbestos Not Present | | NA | | CaCO3 Vinyl |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 036a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 036b | | Layered | Orange Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 037 | 37 | Layered | White Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 037a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 038 | 38 | Homogeneous | Green Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 039 | 39 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |

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Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2138

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 040 | 40 | Homogeneous | Cream Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 041 | 41 | Layered | Gray Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 041a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 042 | 42 | Homogeneous | Tan Wallboard | Asbestos Not Present | Cellulose | 90 | Binder |
| 043 | 43 | Homogeneous | Tan Wallboard | Asbestos Not Present | Cellulose | 90 | Binder |
| 044 | 44 | Homogeneous | Tan Wallboard | Asbestos Not Present | Cellulose | 90 | Binder |
| 045 | 45 | Homogeneous | Multi-Color Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 046 | 46 | Homogeneous | Black Roofing | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 047 | 47 | Homogeneous | Multi-Color Roofing | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 048 | 48 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 048a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | CaCO3 Sand |
| 049 | 49 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 049a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | CaCO3 Sand |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 050 | 50 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 050a | | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 050b | | Layered | Gray Plaster | Asbestos Not Present | Hair 3 | CaCO3 Sand |
| 051 | 51 | Homogeneous | Gray Plaster | Asbestos Not Present | Hair 3 | CaCO3 Sand |
| 052 | 52 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Paint |
| 052a | | Layered | Gray Plaster | Asbestos Not Present | Hair 3 | CaCO3 Sand |

Dee Am

Dee Ammerman, Analyst

10/22/2018
Date of Report

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# ASBESTOS CHAIN OF CUSTODY



QUANTEM LABORATORIES
www.QuanTEM.com
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. 300156
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2138 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 9/28/18 1700 | FedEx | [signature] | 10-1-18 9:45 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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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. 340156
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 300156
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☑ | | | | |

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For Lab Use Only
Lab No. 300156
Accept 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 |
|---|---|---|---|---|---|---|
| S1 | S1 | ☒ | | | | |
| S2 | S2 | ☒ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |
| 1 | | ☐ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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

# Polarized Light Microscopy Asbestos Analysis Report

| | | | |
|---|---|---|---|
| QuanTEM Lab No. | 301102 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 10/23/2018 | | |
| Received By: | Katie Davis | | |
| Date Analyzed: | 10/26/2018 | Project: | DNS, 400 PTCT for 300156 |
| Analyzed By: | Dee Ammerman | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2138 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 18 | Homogeneous | White<br>Joint Compound | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |

Dee Am

Dee Ammerman, Analyst

10/26/2018

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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

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. 301102
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2138 |
| P.O. Number: | |

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 10/22/18 1530 | Email | [signature] | 10-22-18 8:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 18 | ☑ | | joint compound | | QuanTEM Lab No. 300156 |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 300149
**Date Received:** 10/01/18
**Received By:** Taylor Hooper
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 10/08/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2138

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P01 | Paint | Lead | 0.0688 | 0.00498 | % | 10/02/18 11:14 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



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| For Lab Use Only | |
|---|---|
| Lab No. 300149 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2138 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 9/28/18 1700 | FedEx | [signature] | 10-1-18 9:45 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P01 | | | | B | X | | | | X | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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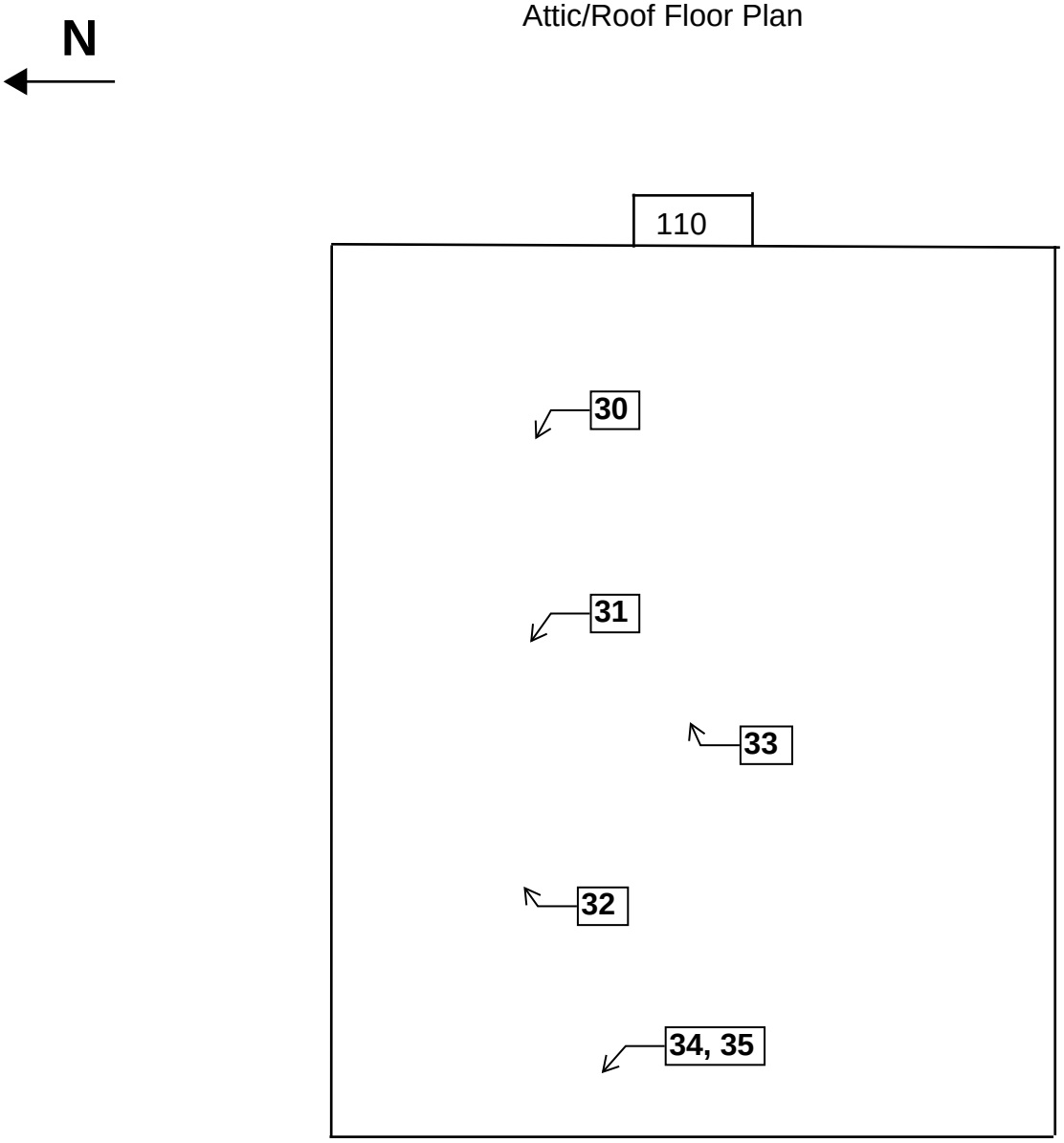
# XI. FLOOR PLANS

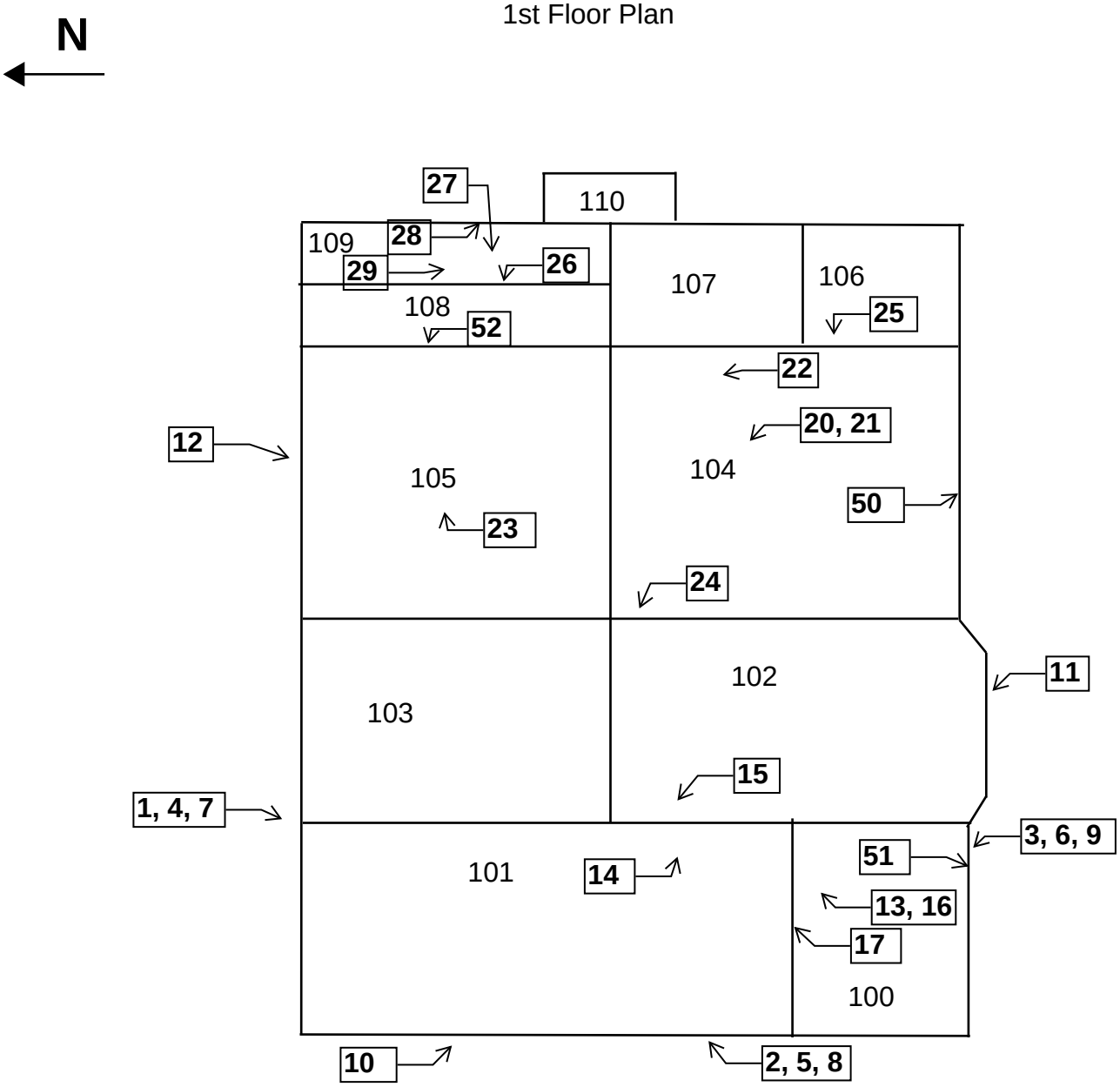
**Two Family Dwelling**
**2138-40 North 18th Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



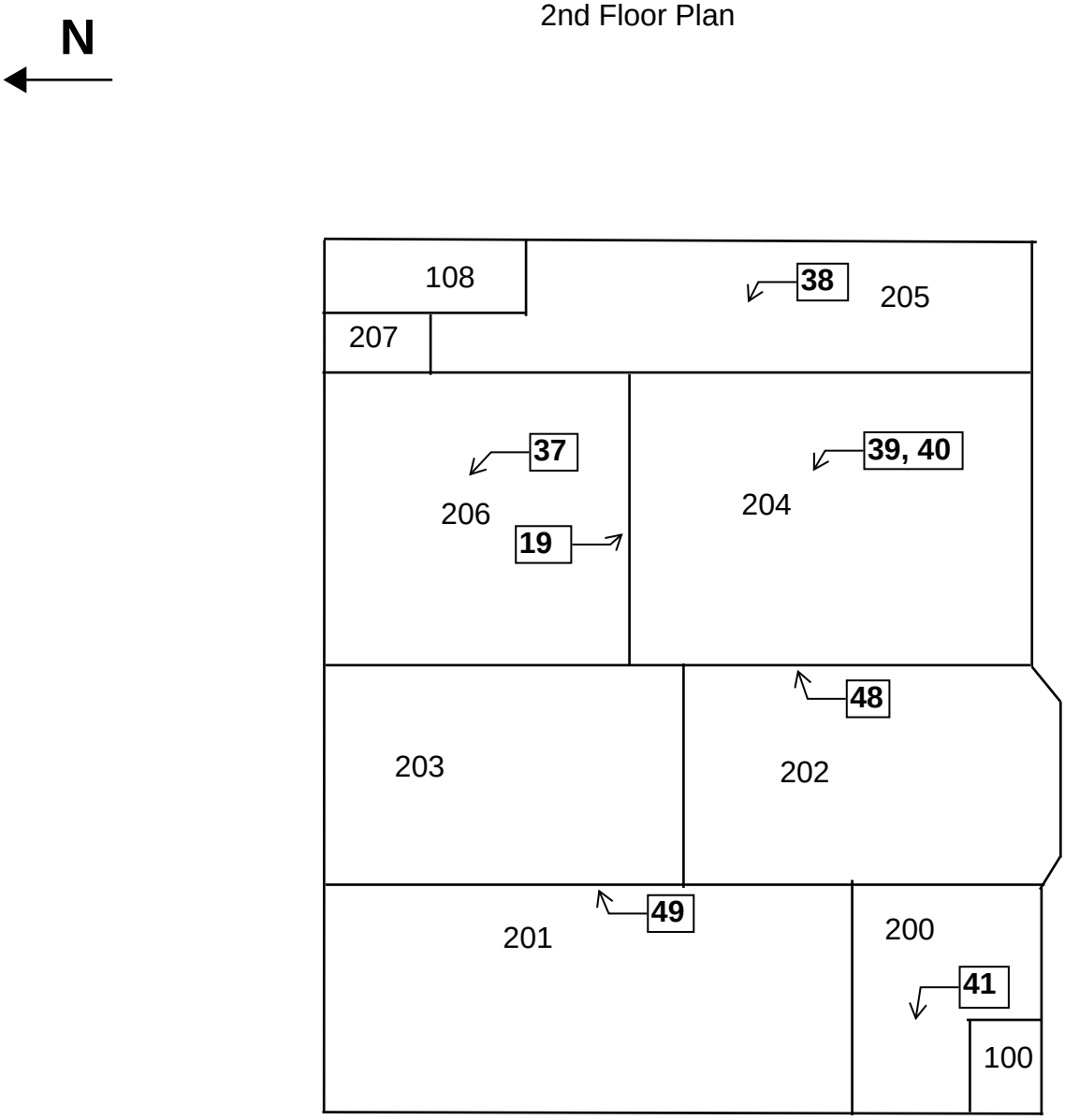
**Two Family Dwelling**
**2138-40 North 18th Street**
**Milwaukee, Wisconsin**

1st Floor Plan



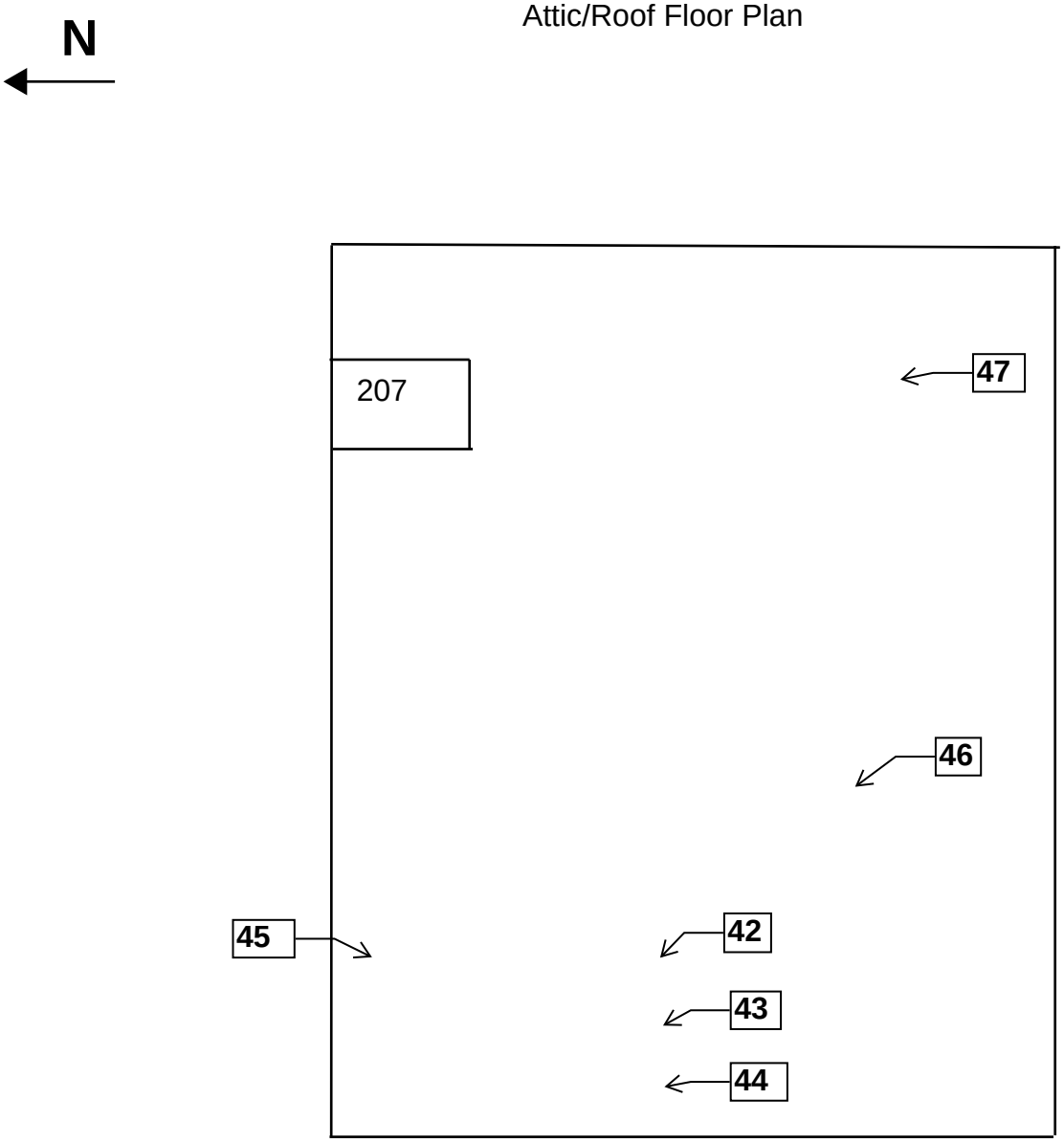
**Two Family Dwelling**
**2138-40 North 18th Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



**Two Family Dwelling**
**2138-40 North 18th Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

February 1, 2018

DAMIAN SCOTT ROGOWSKI
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-161300

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

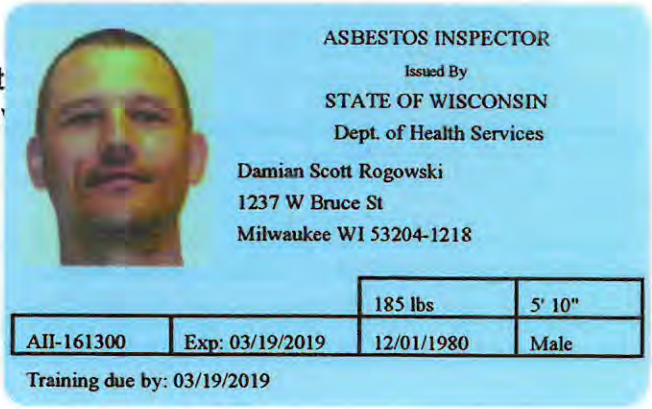
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you prot
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**Four Family Dwelling**
**2448-50 North 18th Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 17-400-080.2448-50**
**Contract No.: 360-17-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

**March 2017**

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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 2448-50 North 18th Street, Milwaukee, Wisconsin.

The inspection included plaster, tar paper, linoleum, ceramic tile, floor tile, fiberboard, ceiling tile, window glazing compound, asphalt roofing, blown in insulation, asphalt shingle siding, duct paper, flue packing, drywall/joint compound, and mastic 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 March 14, 2017, HMG conducted an asbestos inspection of a four family dwelling, scheduled for deconstruction, located at 2448-50 North 18th Street, Milwaukee, Wisconsin. The inspection was conducted by Cecil Trawick, Wisconsin License No. AII – 104769.**

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

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

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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, tar paper, linoleum, ceramic tile, floor tile, fiberboard, ceiling tile, window glazing compound, asphalt roofing, blown in insulation, asphalt shingle siding, duct paper, flue packing, drywall/joint compound, and mastic. These materials were sampled and the following results were noted:

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – west wall under wood siding – tar paper | Negative | MPT |
| 2 | Exterior – south wall under wood siding – tar paper | Negative | MPT |
| 3 | Exterior – east wall under wood siding – tar paper | Negative | MPT |
| 4a | 1st floor – front entry – yellow linoleum | Negative | MFLl |
| 4b | 1st floor – front entry – under yellow linoleum – brown mastic | Negative | MFLl |
| 5 | 1st floor – west kitchen – west side top layer – yellow linoleum | Negative | MFLl |
| 6 | 1st floor – west kitchen – center top layer – yellow linoleum | Negative | MFLl |
| 7a | 1st floor – dining room – at fireplace – cream ceramic tile | Negative | MCTMc |
| 7b | 1st floor – dining room – at fireplace – grout | Negative | MCTMc |
| 7c | 1st floor – dining room – at fireplace – under cream ceramic tile – tan mastic | Negative | MCTMc |
| 8 | 1st floor – west kitchen – east side bottom layer – tan and orange linoleum | Negative | MFLto |
| 9 | 1st floor – west kitchen – west side bottom layer – tan and orange linoleum | Negative | MFLto |
| 10 | 1st floor – west kitchen – south side bottom layer – tan and orange linoleum | Negative | MFLto |
| 11 | 1st floor – bathroom – tan and brown linoleum | Negative | MFLtn |
| 12a | 1st floor – north bedroom closet – 12” white floor tile | Negative | MF12w |
| 12b | 1st floor – north bedroom closet – under 12” white floor tile – yellow mastic | Negative | MF12w |
| 13 | 1st floor – bathroom – at back wall– orange and gray linoleum | Negative | MFLoy |
| 14a | 1st floor – bathroom – west wall – fiberboard | Negative | MFB |
| 14b | 1st floor – bathroom – west wall – on fiberboard – brown mastic | Negative | MFB |
| 15 | 1st floor – bathroom – 1’ x 1’ ceiling tile | Negative | MSCT11 |
| 16 | 1st floor – bathroom – 2’ x 2’ ceiling tile | Negative | MSCT22 |
| 17a | 1st floor – east kitchen – north side – 12” gray floor tile | Negative | MF12y |
| 17b | 1st floor – east kitchen – north side – under 12” gray floor tile – yellow mastic | Negative | MF12y |
| 18 | 1st floor – east kitchen – east side – 12” gray floor tile | Negative | MF12y |
| 19 | 1st floor – east kitchen – west side – 12” gray floor tile | Negative | MF12y |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 20 | 1st floor – east bathroom – on south wall – gray mastic | Negative | MWMy |
| 21 | 1st floor – rear stair – beige and green linoleum | Negative | MFLeg |
| 22a | 2nd floor – east kitchen backsplash – brown and cream linoleum | Negative | MFLnc |
| 22b | 2nd floor – east kitchen backsplash – under brown and cream linoleum – brown mastic | Negative | MFLnc |
| 23a | 2nd floor – west kitchen – white and blue linoleum | Negative | MFLwb |
| 23b | 2nd floor – west kitchen – under white and blue linoleum – brown mastic | Negative | MFLwb |
| 24a | 2nd floor – bathroom – top layer – 12" beige floor tile | Negative | MF12e |
| 24b | 2nd floor – bathroom – 2nd layer – 12" cream floor tile | Negative | MF12c |
| 24c | 2nd floor – bathroom – 3rd layer – 12" tan floor tile | Negative | MF12t |
| 25 | 2nd floor – living room closet – brown linoleum | Negative | MFLn |
| 26a | 1st floor – living room – west wall – plaster skim coat | Negative | SPl |
| 26b | 1st floor – living room – west wall – plaster base coat | Negative | SPl |
| 27a | 1st floor – dining room – south wall – plaster skim coat | Negative | SPl |
| 27b | 1st floor – dining room – south wall – plaster base coat | Negative | SPl |
| 28a | 1st floor – north bedroom – east wall – plaster skim coat | Negative | SPl |
| 28b | 1st floor – north bedroom – east wall – plaster base coat | Negative | SPl |
| 29a | 1st floor – hall – west wall – plaster skim coat | Negative | SPl |
| 29b | 1st floor – hall – west wall – plaster base coat | Negative | SPl |
| 30a | 2nd floor – west kitchen – west wall – plaster skim coat | Negative | SPl |
| 30b | 2nd floor – west kitchen – west wall – plaster base coat | Negative | SPl |
| 31a | 2nd floor – east bedroom – north wall – plaster skim coat | Negative | SPl |
| 31b | 2nd floor – east bedroom – north wall – plaster base coat | Negative | SPl |
| 32a | Attic – stair – west wall – plaster skim coat | Negative | SPl |
| 32b | Attic – stair – west wall – plaster base coat | Negative | SPl |
| 33 | 1st floor – dining room – on south window – glazing compound | Negative | MPG |
| 34 | 2nd floor – west kitchen – on west window – glazing compound | Negative | MPG |
| 35 | Basement – on north window – glazing compound | Negative | MPG |
| 36 | Roof – north side – red asphalt shingle | Negative | MRSr |
| 37 | Roof – north side – red asphalt shingle | Negative | MRSr |
| 38 | Roof – south side – red asphalt shingle | Negative | MRSr |
| 39 | 1st floor – bathroom – on floor – blown in insulation | Negative | MBI |
| 40 | 2nd floor – bathroom – in west wall – blown in insulation | Negative | MBI |
| 41 | Attic – on floor – blown in insulation | Negative | MBI |
| 42 | Exterior – west wall – asphalt shingle siding | Negative | MSS |
| 44 | Attic – west side – black linoleum | Negative | MFLk |
| **45** | **Basement – west side on ducts – duct paper** | **Positive 60% Chrysotile** | **TDW** |
| **46** | **Basement – center on ducts – duct paper** | **Positive 60% Chrysotile** | **TDW** |
| **47** | **Basement – east side on ducts – duct paper** | **Positive 60% Chrysotile** | **TDW** |
| **48** | **Basement – on south wall – flue packing** | **Positive 25% Chrysotile** | **TFP** |
| 49 | 1st floor – east room – west wall – drywall | Negative | MDW |
| 50 | 2nd floor – bathroom – east wall – drywall | Negative | MDW |
| 51 | 2nd floor – bathroom – west wall – drywall | Negative | MDW |

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

| Material | Homogeneous Code | Location | Approximate Quantity |
|---|---|---|---|
| Duct Paper | TDW | Basement Throughout | 240 Sq. Ft. |
| Flue Packing | TFP | Basement on South Wall | 3 Sq. Ft. |

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

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MPT | Tar Paper |
| MFLl | Yellow Linoleum |
| MFLto | Tan & Orange Linoleum |
| MFLtn | Tan & Brown Linoleum |
| MFLoy | Orange & Gray Linoleum |
| MFLeg | Beige & Green Linoleum |
| MFLnc | Brown & Cream Linoleum |
| MFLwb | White & Blue Linoleum |
| MFLn | Brown Linoleum |
| MFLk | Black Linoleum |
| MCTMc | Cream Ceramic Tile |
| MF12w | 12” White Floor Tile |
| MF12e | 12” Beige Floor Tile |
| MF12y | 12” Gray Floor Tile |
| MF12c | 12” Cream Floor Tile |
| MF12t | 12” Tan Floor Tile |
| MSCT11 | 1’ x 1’ Ceiling Tile |
| MSCT22 | 2’ x 2’ Ceiling Tile |
| MWMy | Gray Wall Mastic |
| MPG | Window Glazing Compound |
| MRSr | Red Asphalt Shingle Roofing |
| MBI | Blown in Insulation |
| MSS | Asphalt Shingle Siding |
| MDW | Drywall |
| TDW | Duct Paper |
| TFP | Flue Packing |

## V. EXCLUSIONS

**All 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

## ELECTRICAL SYSTEMS

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

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

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

## OTHER ENVIRONMENTAL ISSUES

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

* 5 Gas Meters on Exterior

# VIII. LABORATORY RESULTS

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 277488
Account Number: B929
Date Received: 03/15/2017
Received By: Karen Braley
Date Analyzed: 03/22/2017
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 80 | Tar |
| 002 | 2 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 80 | Tar |
| 003 | 3 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 80 | Tar |
| 004 | 4 | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 004a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 005 | 5 | Homogeneous | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 006 | 6 | Homogeneous | Tan Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |

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Project: DNS
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Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 007 | 7 | Layered | Cream<br>Ceramic Tile | Asbestos Not Present | NA | | Clay<br>Sand |
| 007a | | Layered | Gray<br>Grout | Asbestos Not Present | NA | | CaCO3<br>Sand |
| 007b | | Layered | Tan<br>Mastic | Asbestos Not Present | NA | | Glue<br>CaCO3 |
| 008 | 8 | Homogeneous | Gray<br>Paper | Asbestos Not Present | Cellulose | 95 | Binder |
| 009 | 9 | Homogeneous | Tan<br>Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3<br>Vinyl |
| 010 | 10 | Homogeneous | Tan<br>Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3<br>Vinyl |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 011 | 11 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 012 | 12 | Layered | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 012a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 013 | 13 | Homogeneous | Brown Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 014 | 14 | Layered | Brown Wallboard | Asbestos Not Present | Cellulose | 95 | Binder |
| 014a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue CaCO3 |
| 015 | 15 | Homogeneous | White Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |

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Milwaukee, WI 53204

Project: DNS
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Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 016 | 16 | Homogeneous | White<br>Ceiling Tile | Asbestos Not Present | Cellulose 50<br>Glass Fiber 30 | Perlite<br>Paint |
| 017 | 17 | Layered | Gray<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 017a | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | Glue |
| 018 | 18 | Homogeneous | Gray<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 019 | 19 | Homogeneous | Gray<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 020 | 20 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | Tan Sheet Vinyl | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 022 | 22 | Layered | Red Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 022a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 023 | 23 | Layered | Blue Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 023a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 024 | 24 | Layered | Tan Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 024a | | Layered | Gray Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 024b | | Layered | Tan Flooring | Asbestos Not Present | Cellulose | 20 | CaCO3 Vinyl |
| 025 | 25 | Homogeneous | Brown Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 026 | 26 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand |
| 026a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand Gypsum |
| 027 | 27 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand |
| 027a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand Gypsum |

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Project: DNS
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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 028 | 28 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand |
| 028a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Gypsum |
| 029 | 29 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand |
| 029a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Gypsum |
| 030 | 30 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand |
| 030a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Gypsum |

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Project: DNS
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Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 031 | 31 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand |
| 031a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Gypsum |
| 032 | 32 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand |
| 032a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | CaCO3 Sand Gypsum |
| 033 | 33 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 034 | 34 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 035 | 35 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 036 | 36 | Homogeneous | Red Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 037 | 37 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 038 | 38 | Homogeneous | Red Shingle | Asbestos Not Present | Cellulose | 40 | Tar Sand |
| 039 | 39 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 040 | 40 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose | 100 | |
| 041 | 41 | 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 277488
Account Number: B929
Date Received: 03/15/2017
Received By: Karen Braley
Date Analyzed: 03/22/2017
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 042 | 42 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 043 | 44 | Homogeneous | Black Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 044 | 45 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 045 | 46 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 046 | 47 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 047 | 48 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 25 | NA | CaCO3 |
| 048 | 49 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose 20<br>Glass Fiber 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. 277488
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Date Received: 03/15/2017
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Client: Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2448-50

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 049 | 50 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| | | | | | Glass Fiber | 5 | |
| 050 | 51 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 20 | Gypsum |
| | | | | | Glass Fiber | 5 | |

Dee Am

Dee Ammerman, Analyst

3/22/2017
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.

QUANTEM LABORATORIES
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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



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| For Lab Use Only | |
|---|---|
| Lab No. 277488 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 17-400-080.2448-50 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 3/14/17 1700 | | K. Braley | 3-15-17 10:00 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☑ | Bulk Analysis (EPA 600/R-93/116) |
| ☐ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

| TEM | |
|---|---|
| ☐ | Air- AHERA |
| ☐ | Air- NIOSH 7402 |
| ☐ | Air- ISO 10312 |
| ☐ | Drinking Water- EPA 100.2 |
| ☐ | Waste Water- EPA 600/4-83-043 |

| TEM | |
|---|---|
| ☐ | Bulk- Presence / Absence EPA600/R-93/116 |
| ☐ | Bulk- Quantitative [weight%]- Chatfield |
| ☐ | Dust- Presence / Absence |
| ☐ | Dust- Quantitative [fibers/sq.cm]- ASTM D5755 |
| ☐ | Other |

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☐ | 3 - Day |
| ☑ | 5 - Day |

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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# ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 277488
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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

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For Lab Use Only
Lab No. 277488
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 44 | ☐ | | | | |
| 44 | 45 | ☐ | | | | |
| 45 | 46 | ☐ | | | | |
| 46 | 47 | ☐ | | | | |
| 47 | 48 | ☐ | | | | |
| 48 | 49 | ☐ | | | | |
| 49 | 50 | ☐ | | | | |
| 50 | 51 | ☑ | | | | |

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

# 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

October 5, 2016

CECIL JAMES TRAWICK JR
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-104769

**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**.

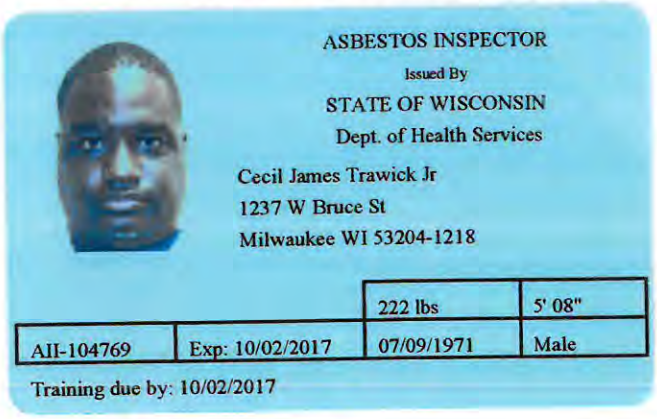
Submit your renewal application by mail if paying by check or money order, or online at **www.dhs.wisconsin.gov/waldo** if paying by VISA or MasterCard credit or debit card.

**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: dhsasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2377-77A North 20th 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.: 18-400-024.2377-77A**
**Inspector: Cecil Trawick**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**November 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2377-77A North 20th Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Cecil Trawick
Asbestos Inspector No. AII – 104769
Expiration Date: 10/2/19
Harenda Management Group

November 12, 2018

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

RE: Deconstruction Inspection Report
2377-77A North 20th Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2377-77A North 20th Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2377-77A North 20th Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in bathroom floor tile sampled during the inspection. Asbestos was assumed to be in the roof flashing. Asbestos was detected below 1% in flue pacing and window glazing compound. Results are in Section IV of this report.

Lead was detected in paint on the exterior basement walls and exterior garage walls. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling and garage at 2377-77A North 20th Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl and wood siding with asphalt roofing. The garage has block walls and asphalt roofing.

# II. ASEBSTOS INSPECTION

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 October 17, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling and garage, scheduled for deconstruction, located at 2377-77A North 20th Street, Milwaukee, Wisconsin. The inspection was conducted by Cecil Trawick, Wisconsin License No. AII – 104769, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper insulation
- Drywall/joint compound
- Flue packing
- Ceramic tile
- Floor tile
- Plaster
- Glazing compound
- Asphalt roofing
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

### A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy (PLM). A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section IX.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – south wall under wood siding – paper insulation | Negative | MPI |
| 2 | Exterior – west wall under wood siding – paper insulation | Negative | MPI |
| 3 | Exterior – north wall under wood siding – paper insulation | Negative | MPI |
| 4a | 1st floor – bathroom – north wall – joint compound | Negative | MDW |
| 4b | 1st floor – bathroom – north wall – drywall | Negative | MDW |
| 5a | 1st floor – east bedroom – west wall – joint compound | Negative | MDW |
| 5b | 1st floor – east bedroom – west wall – drywall | Negative | MDW |
| 6a | 1st floor – foyer – west wall – joint compound | Negative | MDW |
| 6b | 1st floor – foyer – west wall – drywall | Negative | MDW |
| 7a | Basement – on chimney – flue packing top layer | Negative | TFP |
| 7b | Basement – on chimney – flue packing bottom layer | Trace <1% Chrysotile | TFP |
| 7b | POINT COUNT RESULT | Trace <0.25% Chrysotile | TFP |
| 8a | Basement – on south wall – white and gold ceramic tile | Negative | MCTMwd |
| 8b | Basement – on south wall – under white and gold ceramic tile – yellow mastic | Negative | MCTMwd |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 9a | 1st floor – bathroom – on east wall – tan ceramic tile | Negative | MCTMt |
| 9b | 1st floor – bathroom – on east wall – under tan ceramic tile – mortar | Negative | MCTMt |
| 10a | 1st floor – bathroom – on south wall – tan ceramic tile | Negative | MCTMt |
| 10b | 1st floor – bathroom – on south wall – under tan ceramic tile – mortar | Negative | MCTMt |
| 11a | 1st floor – bathroom – on north wall – tan ceramic tile | Negative | MCTMt |
| 11b | 1st floor – bathroom – on north wall – under tan ceramic tile – mortar | Negative | MCTMt |
| 12a | 1st floor – bathroom – 12” tan floor tile | Negative | MF12t |
| 12b | 1st floor – bathroom – under 12” tan floor tile – yellow mastic | Negative | MF12t |
| **13** | **1st floor – bathroom near west wall – 12” red floor tile** | **Positive 5% Chrysotile** | **MF12r** |
| 14a | 1st floor – front entry – 12” gray floor tile | Negative | MF12y |
| 14b | 1st floor – front entry – under 12” gray floor tile – yellow mastic | Negative | MF12y |
| 15 | 1st floor – foyer – 12” tan and brown floor tile | Negative | MF12tn |
| 16 | 1st floor – east bedroom – 12” tan and brown floor tile | Negative | MF12tn |
| 17 | 1st floor – kitchen – 12” tan and brown floor tile | Negative | MF12tn |
| 18 | 1st floor – south hall – 6” gray and black floor tile | Negative | MF6yk |
| 19 | 1st floor – rear stair – north wall – plaster | Negative | SPl |
| 20 | 1st floor – bathroom – north wall – plaster | Negative | SPl |
| 21a | 1st floor – kitchen – north wall – plaster skim coat | Negative | SPl |
| 21b | 1st floor – kitchen – north wall – plaster base coat | Negative | SPl |
| 22a | 1st floor – kitchen – south wall – plaster skim coat | Negative | SPl |
| 22b | 1st floor – kitchen – south wall – plaster base coat | Negative | SPl |
| 23a | Basement – south wall – plaster skim coat | Negative | SPl |
| 23b | Basement – south wall – plaster base coat | Negative | SPl |
| 24 | Basement – stair – north wall – plaster | Negative | SPl |
| 25a | Basement – east wall – plaster skim coat | Negative | SPl |
| 25b | Basement – east wall – plaster base coat | Negative | SPl |
| 26 | 1st floor – living room – on south window – glazing compound | Trace <1% Chrysotile | MPG |
| 26 | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPG |
| 27 | 1st floor – kitchen – on west window – glazing compound | Trace <1% Chrysotile | MPG |
| 27 | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPG |
| 28 | 2nd floor – west room – on west window – glazing compound | Trace <1% Chrysotile | MPG |
| 28 | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPG |
| 29a | House Roof – north side top layer – black asphalt shingle | Negative | MRSk |
| 29b | House Roof – north side bottom layer – brown and gray asphalt shingle | Negative | MRSny |
| 29c | House Roof – north side bottom layer – on brown and gray asphalt shingle – tar | Negative | MRSny |
| 30a | House Roof – south side top layer – black asphalt shingle | Negative | MRSk |
| 30b | House Roof – south side bottom layer – brown and gray asphalt shingle | Negative | MRSny |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 30c | House Roof – south side bottom layer – on brown and gray asphalt shingle – tar | Negative | MRSny |
| 31a | House Roof – west side top layer – black asphalt shingle | Negative | MRSk |
| 31b | House Roof – west side bottom layer – brown and gray asphalt shingle | Negative | MRSny |
| 32a | Garage Roof – south side top layer – gray asphalt shingle | Negative | MRSy |
| 32b | Garage Roof – south side bottom layer – black and gray asphalt shingle | Negative | MRSky |
| 33a | Garage Roof – south side top layer – gray asphalt shingle | Negative | MRSy |
| 33b | Garage Roof – south side bottom layer – black and gray asphalt shingle | Negative | MRSky |
| 34a | Garage Roof – north side top layer – gray asphalt shingle | Negative | MRSy |
| 34b | Garage Roof – north side bottom layer – black and gray asphalt shingle | Negative | MRSky |

One (1) of the materials sampled contains greater than 1% asbestos and is an asbestos containing material (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" Red Floor Tile | MF12r | 1st Floor Bathroom Near West Wall | 6 SF | Good |

**Assumed Asbestos Containing Materials**

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | House Roof at Chimney | 3 SF | Poor |

The flashing was not accessible at the time of the inspection.

Two (2) of the materials sampled contain less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Flue Packing | TFP | Basement on Chimney | 2 SF | Poor |
| Window Glazing Compound | MPG | House & Garage | 19 Windows | Poor |

**Note #1:** The ACMs listed above are category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

**Note#2:** The flue packing and window glazing compound contain less than 1% asbestos as verified by the point count method, and by definition in NR 447 are not ACMs. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,

- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

HMG recommends that the flue packing and window glazing compound be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MPI | Paper Insulation |
| MDW | Drywall/Joint Compound |
| MCTMwd | White & Gold Ceramic Tile |
| MCTMt | Tan Ceramic Tile |
| MF12t | 12" Tan Floor Tile |
| MF12r | 12" Red Floor Tile |
| MF12y | 12" Gray Floor Tile |
| MF12tn | 12" Tan & Brown Floor Tile |
| MF6yk | 6" Gray & Black Floor Tile |
| MPG | Glazing Compound |
| MRSk | Black Asphalt Shingle |
| MRSny | Brown & Gray Asphalt Shingle |
| MRSy | Gray Asphalt Shingle |
| MRSky | Black & Gray Asphalt Shingle |
| TFP | Flue Packing |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2377-77A North 20th Street, Milwaukee, Wisconsin, took place on October 17, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section X.

**Interior: 2377-77A North 20th Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the interior.**

**Exterior: 2377-77A North 20th Street, Milwaukee, Wisconsin**

- **Painted block was observed on the exterior house basement level walls and the garage walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2377-77A North 20th Street, Milwaukee, Wisconsin** **Date: 10/17/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | House Exterior | South Wall | Brick | Red | 0.0999 |
| P2 | Garage Exterior | South Wall | Block | Yellow | 0.253 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

# VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 301173
Account Number: B929
Date Received: 10/24/2018
Received By: Taylor Hooper
Date Analyzed: 10/31/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 002 | 2 | Homogeneous | Black Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 003 | 3 | Homogeneous | Black Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 004 | 4 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 004a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose<br>Glass Fiber | 15<br>5 | Gypsum |
| 005 | 5 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 005a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose<br>Glass Fiber | 15<br>5 | Gypsum |

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 006 | 6 | Layered | White<br>Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 006a | | Layered | White<br>Sheetrock | Asbestos Not Present | Cellulose 15<br>Glass Fiber 5 | Gypsum |
| 007 | 7 | Layered | Gray<br>Plaster | Asbestos Not Present | NA | CaCO3<br>Sand |
| 007a | | Layered | Tan<br>Plaster | Asbestos Present<br>Chrysotile <1 | NA | CaCO3<br>Sand |
| 008 | 8 | Layered | White<br>Ceramic Tile | Asbestos Not Present | NA | Clay<br>Sand |
| 008a | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | Glue<br>CaCO3 |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 009 | 9 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 009a | | Layered | Gray Mortar | Asbestos Not Present | NA | CaCO3 Sand |
| 010 | 10 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 010a | | Layered | Gray Mortar | Asbestos Not Present | NA | CaCO3 Sand |
| 011 | 11 | Layered | Tan Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 011a | | Layered | Gray Mortar | Asbestos Not Present | NA | CaCO3 Sand |
| 012 | 12 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 012a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 013 | 13 | Homogeneous | Red Floor Tile | Asbestos Present Chrysotile 5 | NA | CaCO3 Vinyl |
| 014 | 14 | Layered | White Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 015 | 15 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 016 | 16 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 017 | 17 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 018 | 18 | Homogeneous | White Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 019 | 19 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 020 | 20 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 021 | 21 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 021a | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 301173
Account Number: B929
Date Received: 10/24/2018
Received By: Taylor Hooper
Date Analyzed: 10/31/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 022 | 22 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 022a | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 023 | 23 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 023a | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 024 | 24 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 025 | 25 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 301173
Account Number: B929
Date Received: 10/24/2018
Received By: Taylor Hooper
Date Analyzed: 10/31/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 025a | | Layered | Gray<br>Plaster | Asbestos Not Present | NA | CaCO3<br>Sand |
| 026 | 26 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <1 | NA | CaCO3<br>Binder |
| 027 | 27 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <1 | NA | CaCO3<br>Binder |
| 028 | 28 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <1 | NA | CaCO3<br>Binder |
| 029 | 29 | Layered | Black<br>Shingle | Asbestos Not Present | Glass Fiber 35 | Tar<br>Sand |
| 029a | | Layered | Gray<br>Shingle | Asbestos Not Present | Glass Fiber 35 | Tar<br>Sand |
| 029b | | Layered | Black<br>Tar | Asbestos Not Present | NA | Tar |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 030 | 30 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 030a | | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 030b | | Layered | Black Tar | Asbestos Not Present | NA | | Tar |
| 031 | 31 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 031a | | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 032 | 32 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |

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Client: Harenda Management Group
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 032a | | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 033 | 33 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 033a | | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 034 | 34 | Layered | Black Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |
| 034a | | Layered | Gray Shingle | Asbestos Not Present | Glass Fiber | 35 | Tar Sand |

Dee Am

Dee Ammerman, Analyst

11/1/2018
Date of Report

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QUANTEM LABORATORIES
www.QuanTEM.com

# 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. | 301173 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2377 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/23/18 1700 | FedEx | Hoopes | 10-24-18 9:20 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 301173
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☒ | | | | |

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# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 301173
Accept 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 | ☑ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☑ | | | | |
| 35 | | ☐ | | | | |
| 36 | | ☐ | | | | |
| 37 | | ☐ | | | | |
| 38 | | ☐ | | | | |
| 39 | | ☐ | | | | |
| 40 | | ☐ | | | | |
| 41 | | ☐ | | | | |
| 42 | | ☐ | | | | |
| 43 | | ☐ | | | | |
| 44 | | ☐ | | | | |
| 45 | | ☐ | | | | |
| 46 | | ☐ | | | | |
| 47 | | ☐ | | | | |
| 48 | | ☐ | | | | |
| 49 | | ☐ | | | | |
| 50 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 301504
Account Number: B929
Date Received: 11/02/2018
Received By: Katie Davis
Date Analyzed: 11/07/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS, 400 PTCT for 301173
Project Location: Milwaukee, WI
Project Number: 18-400-024.2377

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 7 | Homogeneous | Tan<br>Plaster | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 002 | 26 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 003 | 27 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 004 | 28 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |

Dee Am

Dee Ammerman, Analyst

11/7/2018
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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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

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

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

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For Lab Use Only
Lab No. 301504
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2377 |
| P.O. Number: | |

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [illegible] | 11/1/18 1625 | Email | [illegible] | 11-1-18 4:25 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 7 | ☑ | | tan plaster | | QuanTEM Lab No 301173 |
| 2 | 26 | ☑ | | | | |
| 3 | 27 | ☑ | | | | |
| 4 | 28 | ☑ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 301169
**Date Received:** 10/24/18
**Received By:** Taylor Hooper
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 10/31/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2377

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0999 | 0.00492 | % | 10/25/18 15:06 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.253 | 0.00493 | % | 10/25/18 15:06 | P EPA 7000B (1) |

**Authorized Signature:**

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



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| For Lab Use Only | |
|---|---|
| Lab No. 301169 | |
| (Accept) | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2377 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/23/18 1700 | Fed Ex | [illegible] | 10-24-18 9:2[illegible] |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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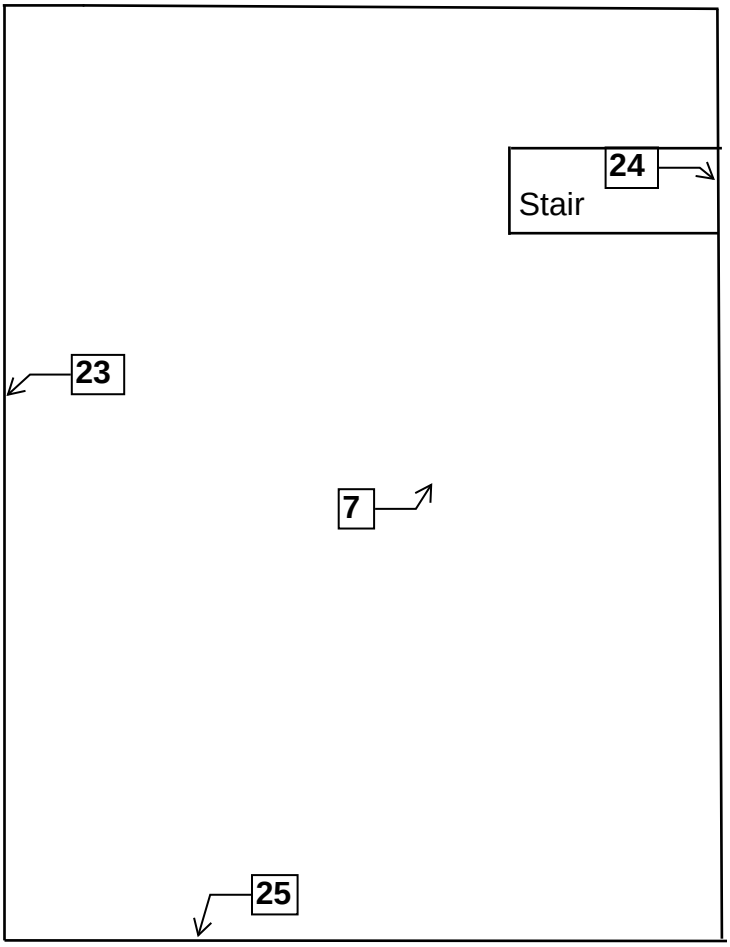
# XI. FLOOR PLANS

**Two Family Dwelling**
**2377-77A North 20th Street**
**Milwaukee, Wisconsin**

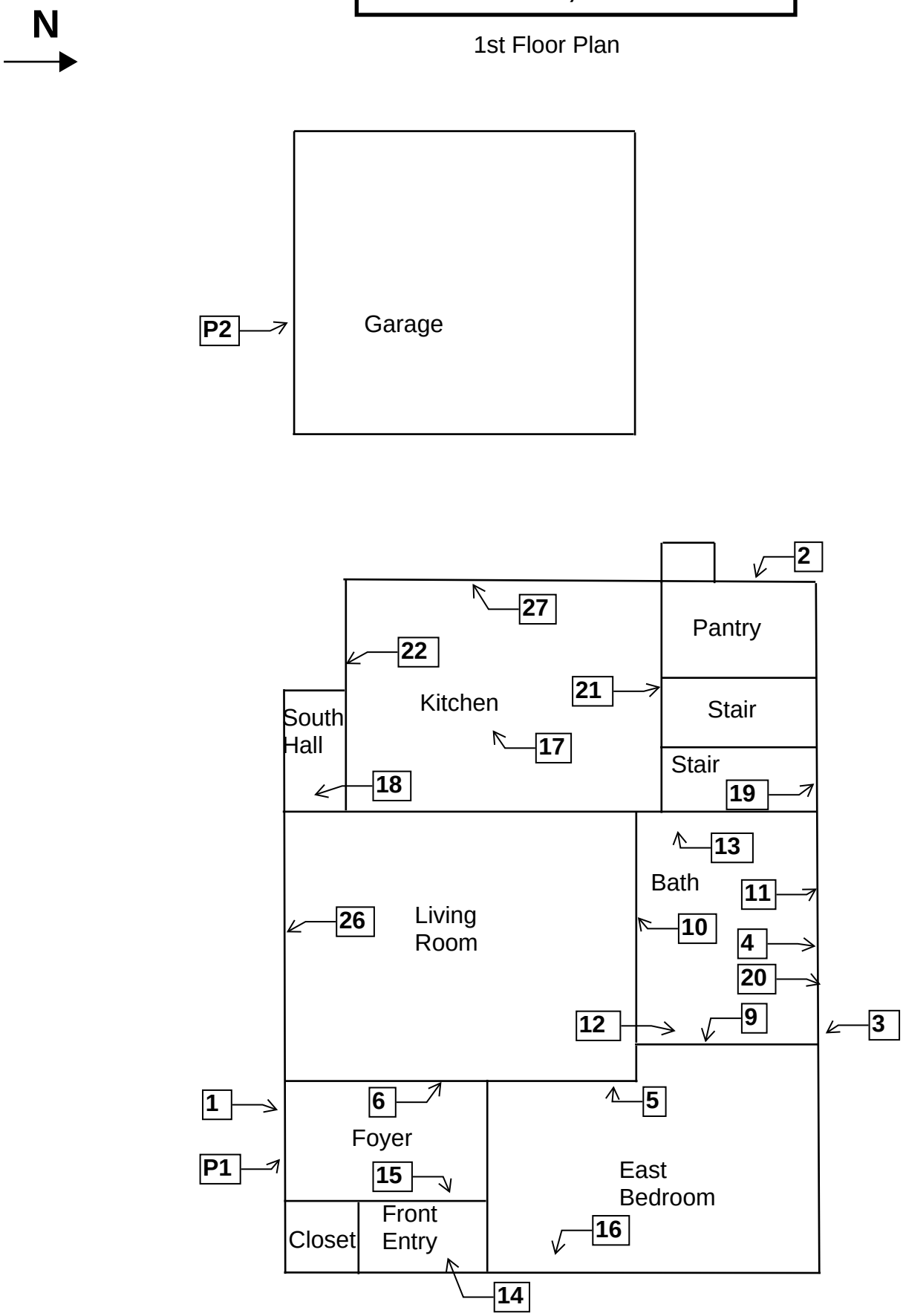
N

Basement Floor Plan



**Two Family Dwelling**
**2377-77A North 20th Street**
**Milwaukee, Wisconsin**

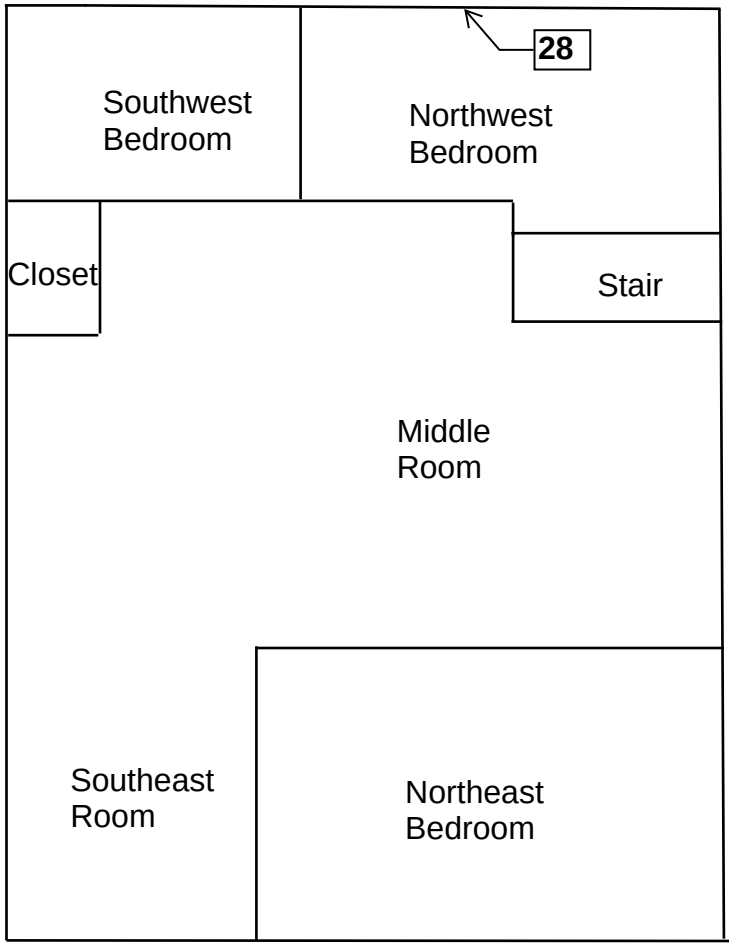
1st Floor Plan



**Two Family Dwelling**
**2377-77A North 20th Street**
**Milwaukee, Wisconsin**

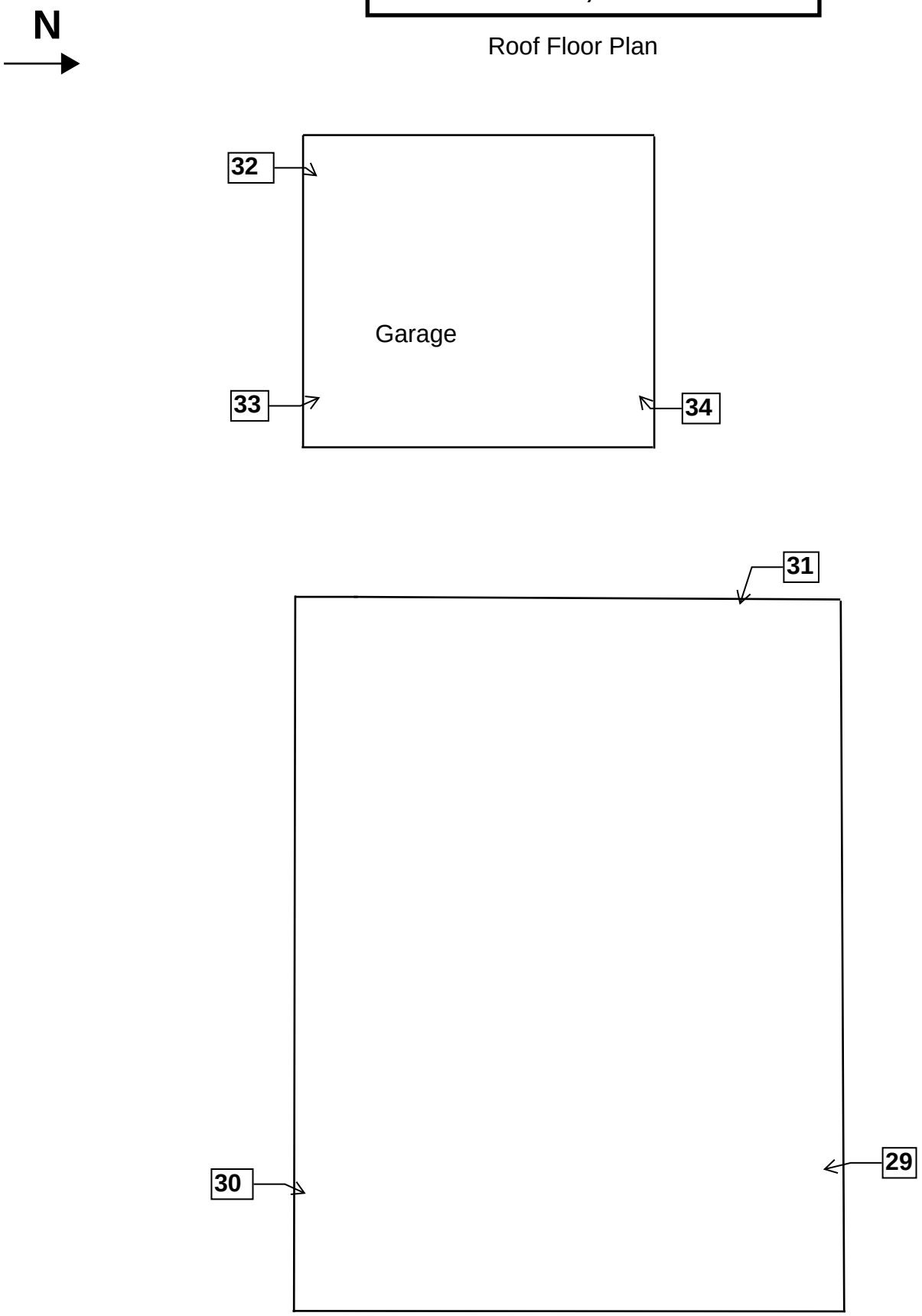
**N**

2nd Floor Plan



**Two Family Dwelling**
**2377-77A North 20th Street**
**Milwaukee, Wisconsin**

Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

CECIL JAMES TRAWICK JR
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-104769

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, ... ow
professional responsibility. Contact us i... on is
below and on the back of your blue car...

The Lead and Asbestos Certification Pr...
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead

**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2007 North 21st Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2007**
**Inspector: Cecil Trawick**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**November 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2007 North 21st Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Cecil Trawick
Asbestos Inspector No. AII – 104769
Expiration Date: 10/2/19
Harenda Management Group

November 30, 2018

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

RE: Deconstruction Inspection Report
2007 North 21st Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2007 North 21st Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2007 North 21st Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in 2nd floor floor tile and mastic sampled during the inspection. Asbestos was detected at less than 1% in 1st floor floor tile. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the exterior and interior basement walls. Results are in Section V of this report.

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B. Component Testing Results

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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 and potential lead painted masonry surfaces in the two family dwelling at 2007 North 21st Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl and wood walls with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 September 26, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2007 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Cecil Trawick, Wisconsin License No. AII – 104769, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper insulation
- Glazing compound
- Texture
- Drywall/joint compound
- Floor tile
- Blown in insulation
- Linoleum
- Flue packing
- Asphalt roofing
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy (PLM). A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section VIII.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – east wall under wood siding – black paper insulation | Negative | MPIk |
| 2 | Exterior – north wall under wood siding – black paper insulation | Negative | MPIk |
| 3 | Exterior – south wall under wood siding – black paper insulation | Negative | MPIk |
| 7 | 2nd floor – northeast bedroom – on east window – glazing compound | Negative | MPG |
| 8 | 1st floor – living room – on south window – glazing compound | Negative | MPG |
| 9 | Basement – on north window – glazing compound | Negative | MPG |
| 10a | 1st floor – living room – on south wall – texture | Negative | STX |
| 10b | 1st floor – living room – on south wall – texture layer 2 | Negative | STX |
| 11a | 1st floor – living room – on west wall – texture | Negative | STX |
| 11b | 1st floor – living room – on west wall – texture layer 2 | Negative | STX |
| 12 | 1st floor – living room – on north wall – texture | Negative | STX |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 13a | 1st floor – living room – west wall – joint compound | Negative | MDW |
| 13b | 1st floor – living room – west wall – drywall | Negative | MDW |
| 14a | 2nd floor – kitchen – east wall – joint compound | Negative | MDW |
| 14b | 2nd floor – kitchen – east wall – drywall | Negative | MDW |
| 15a | 2nd floor – southeast bedroom – south wall – joint compound | Negative | MDW |
| 15b | 2nd floor – southeast bedroom – south wall – drywall | Negative | MDW |
| 16a | 1st floor – kitchen – south side top layer – 12" tan floor tile | Positive 2% Chrysotile | MF12t |
| 16a | POINT COUNT RESULT | Trace 1% Chrysotile | MF12t |
| 16b | 1st floor – kitchen – south side 2nd layer – 12" gray and red floor tile | Negative | MF12yr |
| 17a | 1st floor – kitchen – center top layer – 12" tan floor tile | Positive 2% Chrysotile | MF12t |
| 17a | POINT COUNT RESULT | Trace 0.75% Chrysotile | MF12t |
| 17b | 1st floor – kitchen – center 2nd layer – 12" gray and red floor tile | Negative | MF12yr |
| 18a | 1st floor – hall top layer – 12" tan floor tile | Negative | MF12t |
| 18b | 1st floor – hall 2nd layer – 12" gray and red floor tile | Negative | MF12yr |
| 19 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 20 | 2nd floor – southeast bedroom – in south wall – blown in insulation | Negative | MBI |
| 21 | 1st floor – kitchen – in south wall – blown in insulation | Negative | MBI |
| 22 | 2nd floor – living room – on west wall – texture #2 | Negative | STX2 |
| 23 | 2nd floor – bathroom – on north wall – texture #2 | Negative | STX2 |
| 24 | 2nd floor – south bedroom – on north wall – texture #2 | Negative | STX2 |
| 26 | 2nd floor – bathroom – tan and brown linoleum | Negative | MFLtn |
| **27a** | **2nd floor – kitchen – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **27b** | **2nd floor – kitchen – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |
| **28a** | **2nd floor – living room – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **28b** | **2nd floor – living room – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |
| **29a** | **2nd floor – south bedroom – 12" white floor tile** | **Positive 2% Chrysotile** | **MF12w** |
| **29b** | **2nd floor – south bedroom – under 12" white floor tile – black mastic** | **Positive 5% Chrysotile** | **MF12w** |
| 30 | Basement – on chimney – flue packing | Negative | TFP |
| 31a | Roof – east side top layer – black and brown asphalt shingle | Negative | MRSkn |
| 31b | Roof – east side bottom layer – gray and black asphalt shingle | Negative | MRSyk |
| 32a | Roof – north side top layer – black and brown asphalt shingle | Negative | MRSkn |
| 32b | Roof – north side bottom layer – gray and black asphalt shingle | Negative | MRSyk |
| 33a | Roof – south side top layer – black and brown asphalt shingle | Negative | MRSkn |
| 33b | Roof – south side bottom layer – gray and black asphalt shingle | Negative | MRSyk |

One (1) of the materials sampled contains greater than 1% asbestos and is an asbestos containing material (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" White Floor Tile & Black Mastic | MF12w | 2nd Floor Kitchen, Living Room, & 3 Bedrooms | 650 SF | Good |

One (1) of the materials sampled contains less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| 12" Tan Floor Tile | MF12t | 1st Floor Kitchen & Hall Top Layer | 200 SF | Good |

**Assumed Asbestos Containing Materials**

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | Roof at Chimney | 3 SF | Good |

The flashing was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that these materials be abated prior to deconstruction.

**Note#2:** The 12" tan floor tile contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

HMG recommends that the 12" tan floor tile be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| STX2 | Texture 2nd Floor |
| MPIk | Black Paper Insulation |
| MPG | Glazing Compound |
| MDW | Drywall |
| MBI | Blown in Insulation |

**Homogeneous Material Codes**

| | |
|---|---|
| MF12t | 12" Green Floor Tile |
| MF12yt | 12" Gray & Red Floor Tile |
| MF12w | 12" White Floor Tile |
| MFLtn | Tan & Brown Linoleum |
| MRSkn | Black & Brown Asphalt Shingle |
| MRSyk | Gray & Black Asphalt Shingle |
| TFP | Flue Packing |

## V. LEAD PAINT INSPECTION

### A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2007 North 21st Street, Milwaukee, Wisconsin, took place on September 26, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

### B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2007 North 21st Street, Milwaukee, Wisconsin**

- **Painted brick was observed on the interior basement walls. Lead based paint was not detected.**

**Exterior: 2007 North 21st Street, Milwaukee, Wisconsin**

- **Painted brick was observed on the exterior basement walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2007 North 21st Street, Milwaukee, Wisconsin** **Date: 9/26/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | East Wall | Brick | Green | 0.0664 |
| P2 | Basement | West Wall | Brick | Purple | 0.410 |
| P3 | Basement | North Wall | Brick | Tan | 0.113 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**No access to attic space. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

**ELECTRICAL SYSTEMS - 1 Breaker Panel in Basement**

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

**OTHER ENVIRONMENTAL ISSUES**

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300426
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/23/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 002 | 2 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 003 | 3 | Homogeneous | Black<br>Tar Paper | Asbestos Not Present | Cellulose | 85 | Tar |
| 004 | 7 | Homogeneous | White<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 005 | 8 | Homogeneous | White<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 006 | 9 | Homogeneous | White<br>Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 007 | 10 | Layered | White<br>Texture | Asbestos Not Present | NA | | Gypsum<br>CaCO3<br>Paint |

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 007a | | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 008 | 11 | Layered | White Texture | Asbestos Not Present | NA | Gypsum CaCO3 Paint |
| 008a | | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 009 | 12 | Homogeneous | White Texture | Asbestos Not Present | NA | Gypsum CaCO3 Paint |
| 010 | 13 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 010a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 011 | 14 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 |
| 011a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |
| 012 | 15 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 |
| 012a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |
| 013 | 16 | Layered | Yellow Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 013a | | Layered | Red/White Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014 | 17 | Layered | Yellow Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 014a | | Layered | Red/White Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 015 | 18 | Layered | Red/White Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 015a | | Layered | Red/White Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 016 | 19 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 017 | 20 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 018 | 21 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |

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Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/23/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 019 | 22 | Homogeneous | Red/White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 020 | 23 | Homogeneous | Red/White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 021 | 24 | Homogeneous | Red/White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 022 | 26 | Homogeneous | Beige/Brown Sheet Vinyl | Asbestos Not Present | NA | CaCO3 Vinyl |
| 023 | 27 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 023a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 024 | 28 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group
Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 024a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 025 | 29 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 2 | NA | CaCO3 Vinyl |
| 025a | | Layered | Black Mastic | Asbestos Present Chrysotile 5 | NA | Tar |
| 026 | 30 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 027 | 31 | Layered | Brown/Black Shingle | Asbestos Not Present | Glass Fiber 25 | Tar Sand |
| 027a | | Layered | Gray/Black Shingle | Asbestos Not Present | Glass Fiber 25 | Tar Sand |

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

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300426
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/23/2018
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 028 | 32 | Layered | Brown/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 028a | | Layered | Gray/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 029 | 33 | Layered | Brown/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 029a | | Layered | Gray/Black Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |

Benjamin Hill

Benjamin Hill, Laboratory Technician

10/25/2018

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



QUANTEM LABORATORIES
www.QuanTEM.com
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. 300426
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2007 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/5/18 1200 | FedEx | [signature] | 10-8-18 9:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☑ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 7 | ☐ | | | | |
| 5 | 8 | ☐ | | | | |
| 6 | 9 | ☐ | | | | |
| 7 | 10 | ☐ | | | | |
| 8 | 11 | ☐ | | | | |
| 9 | 12 | ☐ | | | | |
| 10 | 13 | ☑ | | | | |

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QUANTEM LABORATORIES
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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. 300426
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 14 | ☒ | | | | |
| 12 | 15 | ☐ | | | | |
| 13 | 16 | ☐ | | | | |
| 14 | 17 | ☐ | | | | |
| 15 | 18 | ☐ | | | | |
| 16 | 19 | ☐ | | | | |
| 17 | 20 | ☐ | | | | |
| 18 | 21 | ☐ | | | | |
| 19 | 22 | ☐ | | | | |
| 20 | 23 | ☐ | | | | |
| 21 | 24 | ☐ | | | | |
| 22 | 26 | ☐ | | | | |
| 23 | 27 | ☐ | | | | |
| 24 | 28 | ☐ | | | | |
| 25 | 29 | ☐ | | | | |
| 26 | 30 | ☐ | | | | |
| 27 | 31 | ☐ | | | | |
| 28 | 32 | ☐ | | | | |
| 29 | 33 | ☑ | | | | |
| 30 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 302193
Account Number: B929
Date Received: 11/21/2018
Received By: Taylor Hooper
Date Analyzed: 11/28/2018
Analyzed By: Jeff Mlekush
Methodology: EPA/600/R-93/116

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

Project: DNS 400 PTCT for 300426
Project Location: Milwaukee, WI
Project Number: 18-400-024.2007

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 16 | Homogeneous | Yellow Floor Tile | Asbestos Present<br>Chrysotile 1<br>400 Point Count | NA | |
| 002 | 17 | Homogeneous | Yellow Floor Tile | Asbestos Present<br>Chrysotile 0.75<br>400 Point Count | NA | |

Jeff Mlekush, Laboratory Manager

11/28/2018
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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

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.

QUANTEM LABORATORIES
www.QuanTEM.com

# 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**

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|---|---|
| Lab No. 302193 | |
| Accept | Reject |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2007 |
| P.O. Number: | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 11/20/18 1630 | Email | [signature] | 11-21-18 8:00 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| PLM | |
|---|---|
| ☐ | Bulk Analysis (EPA 600/R-93/116) |
| ☑ | 400 Point Count |
| ☐ | 1000 Point Count |
| ☐ | Gravimetric Preparation |
| ☐ | Particle ID |

| PLM | |
|---|---|
| ☐ | Vermiculite Attic Insulation (EPA 600/R-04/004) |
| ☐ | Other |

| PCM | |
|---|---|
| ☐ | NIOSH 7400 |

| TEM | |
|---|---|
| ☐ | Air- AHERA |
| ☐ | Air- NIOSH 7402 |
| ☐ | Air- ISO 10312 |
| ☐ | Drinking Water- EPA 100.2 |
| ☐ | Waste Water- EPA 600/4-83-043 |

| TEM | |
|---|---|
| ☐ | Bulk- Presence / Absence EPA600/R-93/116 |
| ☐ | Bulk- Quantitative [weight%]- Chatfield |
| ☐ | Dust- Presence / Absence |
| ☐ | Dust- Quantitative [fibers/sq.cm]- ASTM D5755 |
| ☐ | Other |

| TURNAROUND TIME | |
|---|---|
| ☐ | Rush |
| ☐ | Same Day |
| ☐ | 24 - Hour |
| ☑ | 3 - Day |
| ☐ | 5 - Day |

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 16 | ☑ | | floor tile | | QuanTEM Lab No. 300426 |
| 2 | 17 | ☑ | | floor tile | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 300414
**Date Received:** 10/08/18
**Received By:** Taylor Hooper
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 10/15/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2007

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0664 | 0.00498 | % | 10/15/18 16:03 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.410 | 0.00498 | % | 10/15/18 16:03 | P EPA 7000B (1) |
| 003 | P3 | Paint | Lead | 0.113 | 0.00489 | % | 10/15/18 16:03 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

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# LEAD CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
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| For Lab Use Only | |
|---|---|
| Lab No. | 300914 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2007 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/5/18 1200 | FedEx | | 10-8-18 9:00am |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | P3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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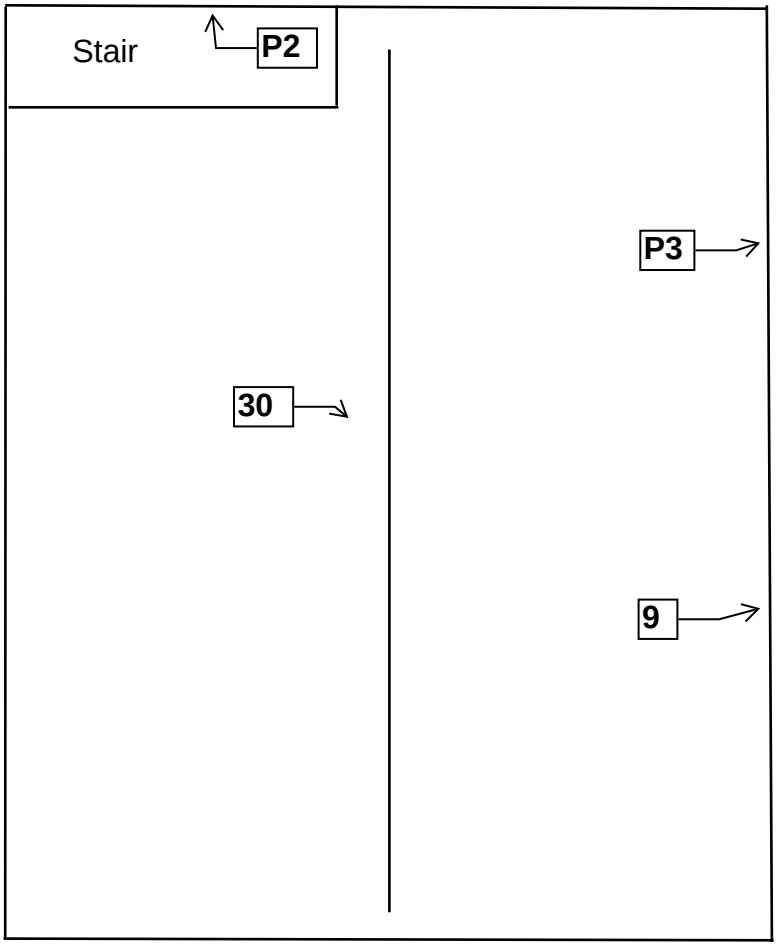
# XI. FLOOR PLANS

**Two Family Dwelling**
**2007 North 21st Street**
**Milwaukee, Wisconsin**

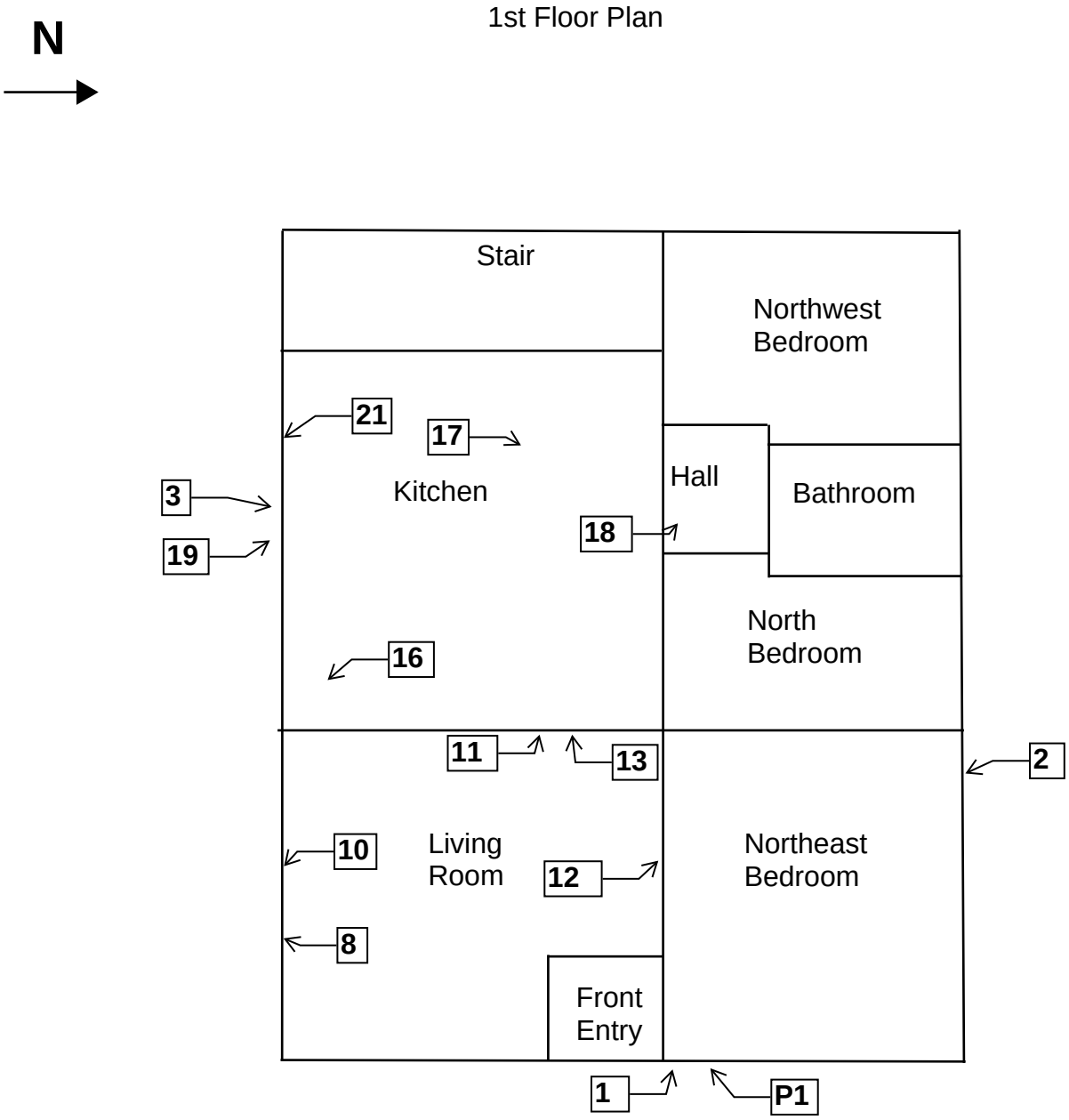
Basement Floor Plan

**N**



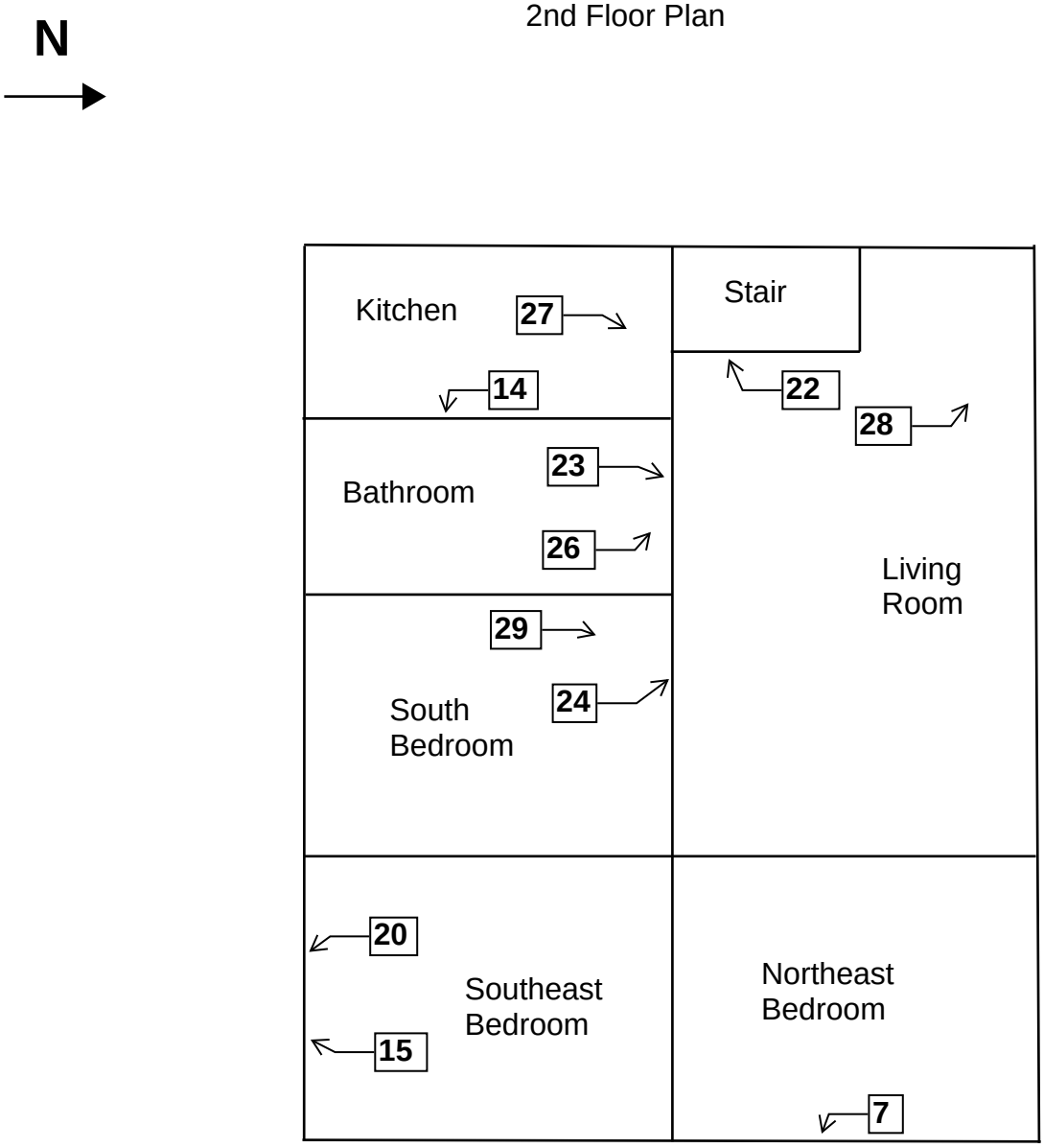
**Two Family Dwelling**
**2007 North 21st Street**
**Milwaukee, Wisconsin**

1st Floor Plan



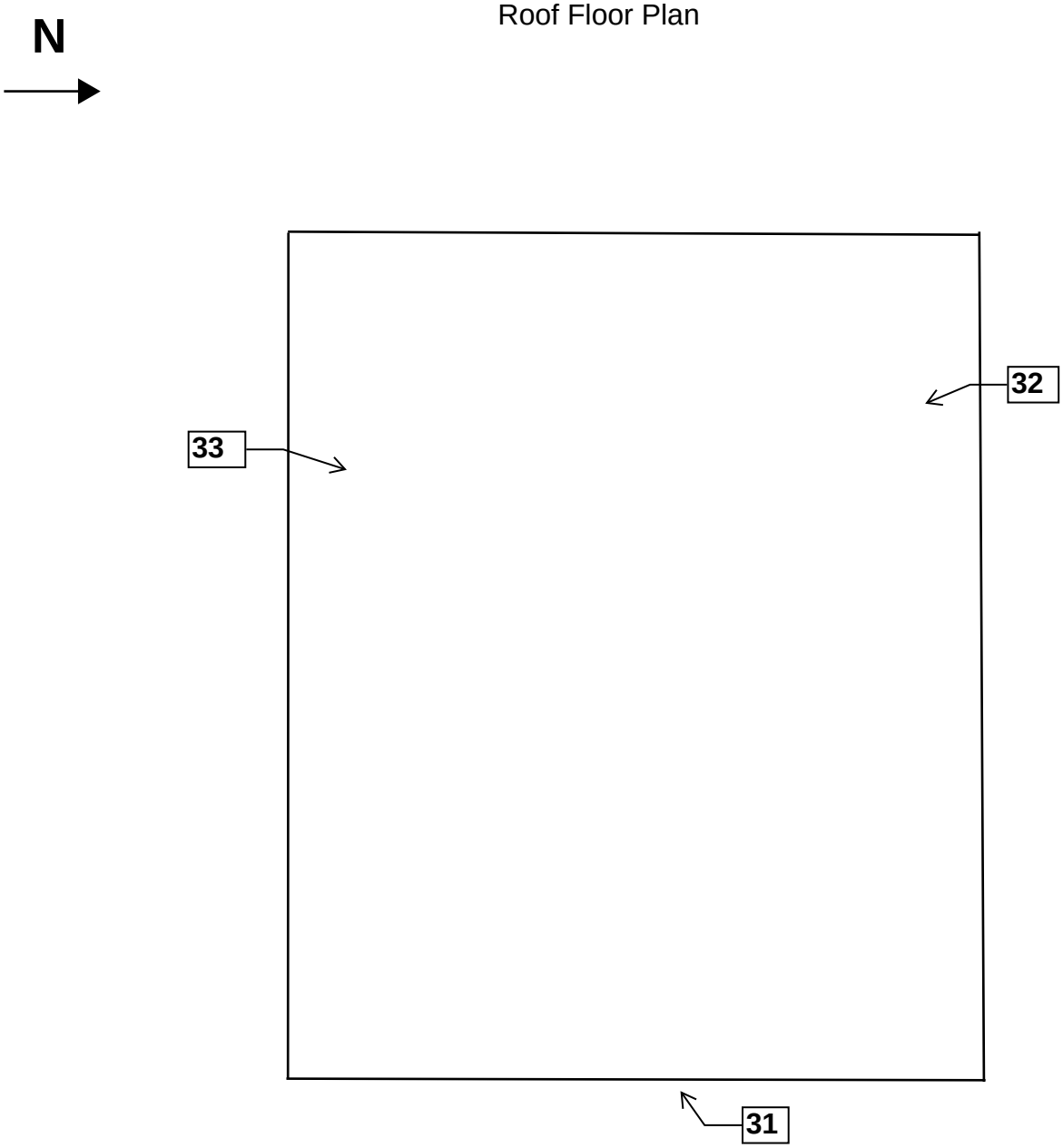
**Two Family Dwelling**
**2007 North 21st Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



**Two Family Dwelling**
**2007 North 21st Street**
**Milwaukee, Wisconsin**

Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

CECIL JAMES TRAWICK JR
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-104769

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, ... ow
professional responsibility. Contact us i... on is
below and on the back of your blue car...

The Lead and Asbestos Certification Pr...
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead

**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**One Family Dwelling**
**2216 North 21st Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2216**
**Inspector: Dean Jacobsen**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**August 2018**

**Signature Page**
Deconstruction Inspection Report
One Family Dwelling
2216 North 21st Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

August 20, 2018

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

RE: Deconstruction Inspection Report
2216 North 21st Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2216 North 21st Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2216 North 21st Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in exterior transite siding, 12" beige and brown floor tile in the hall and bedrooms, and 12" beige floor tile in the kitchen sampled during the inspection. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the exterior and interior brick basement walls, basement floor, and exterior concrete window sills. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the one family dwelling at 2216 North 21st Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has transite and wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 5, 2018, HMG conducted an asbestos inspection and lead inspection of a one family dwelling, scheduled for deconstruction, located at 2216 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Transite siding
- Tar paper
- Stucco
- Asphalt roof shingles
- Ceramic tile
- Vinyl sheet flooring
- Leveling compound
- Window glazing compound
- Blown in insulation
- Floor tile
- Drywall/joint compound
- Texture
- Ceiling tile

- Linoleum
- Caulk
- Roof membrane
- Paper insulation
- Stair tread
- Flue packing
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section IX.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **1** | **Exterior – south wall – transite siding** | **Positive 15% Chrysotile** | **MTP** |
| **2** | **Exterior – east wall – transite siding** | **Positive 15% Chrysotile** | **MTP** |
| **3** | **Exterior – north wall – transite siding** | **Positive 15% Chrysotile** | **MTP** |
| 4 | Exterior – south wall under transite siding – tar paper | Negative | MPT |
| 5 | Exterior – east wall under transite siding – tar paper | Negative | MPT |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 6 | Exterior – north wall under transite siding – tar paper | Negative | MPT |
| 7 | Basement – exterior south wall – stucco | Negative | STC |
| 8 | Basement – exterior east wall – stucco | Negative | STC |
| 9 | Basement – exterior north wall – stucco | Negative | STC |
| 10 | Roof – southwest top layer – green and white asphalt shingle | Negative | MRSgw |
| 11 | Roof – southeast top layer – green and white asphalt shingle | Negative | MRSgw |
| 12 | Roof – north top layer – green and white asphalt shingle | Negative | MRSgw |
| 13 | Roof – southwest bottom layer – tar paper #2 | Negative | MPT2 |
| 14 | Roof – southeast bottom layer – tar paper #2 | Negative | MPT2 |
| 15 | Roof – north bottom layer – tar paper #2 | Negative | MPT2 |
| 16a | 1st floor – front entry floor – top layer – gray ceramic tile | Negative | MCTMy |
| 16b | 1st floor – front entry floor – top layer – under gray ceramic tile – mortar | Negative | MCTMy |
| 17a | 1st floor – front entry floor – bottom layer – black vinyl flooring | Negative | MVFk |
| 17b | 1st floor – front entry floor – bottom layer – under black vinyl flooring – yellow mastic | Negative | MVFk |
| 18a | 1st floor – front entry floor – at door sill – yellow mastic | Negative | MLC |
| 18b | 1st floor – front entry floor – at door sill – leveling compound | Negative | MLC |
| 19 | 1st floor – living room – on south window – glazing compound | Negative | MPG |
| 20 | 1st floor – hall – on floor – blown in insulation | Negative | MBI |
| 21 | Attic – stair – in west wall – blown in insulation | Negative | MBI |
| 22 | Attic – under floor – blown in insulation | Negative | MBI |
| **23a** | **1st floor – northwest bedroom – under carpet – 12" beige and brown floor tile** | **Positive 5% Chrysotile** | **MF12y** |
| 23b | 1st floor – northwest bedroom – under 12" beige and brown floor tile – yellow mastic | Negative | MF12y |
| **24a** | **1st floor – hall – under carpet – 12" beige and brown floor tile** | **Positive 5% Chrysotile** | **MF12y** |
| 24b | 1st floor – hall – under 12" beige and brown floor tile – yellow mastic | Negative | MF12y |
| **25** | **1st floor – southwest bedroom – under carpet – 12" beige and brown floor tile** | **Positive 5% Chrysotile** | **MF12y** |
| 26 | 1st floor – southwest bedroom 4th layer – yellow and brown linoleum | Negative | MFLln |
| 27a | 1st floor – front entry – north wall – joint compound | Negative | MDW |
| 27b | 1st floor – front entry – north wall – drywall | Negative | MDW |
| 28a | 1st floor – northwest bedroom – south wall – joint compound | Negative | MDW |
| 28b | 1st floor – northwest bedroom – south wall – drywall | Negative | MDW |
| 29a | 1st floor – northeast bedroom – ceiling – joint compound | Negative | MDW |
| 29b | 1st floor – northeast bedroom – ceiling – drywall | Negative | MDW |
| 30 | 1st floor – front entry – east wall – plaster | Negative | SPl |
| 31 | 1st floor – northwest bedroom – north wall – plaster | Negative | SPl |
| 32 | 1st floor – northeast bedroom – ceiling – plaster | Negative | SPl |
| 33a | 1st floor – living room – north wall – plaster skim coat | Negative | SPl |
| 33b | 1st floor – living room – north wall – plaster base coat | Negative | SPl |
| 34 | Attic – stair – west wall – plaster | Negative | SPl |
| 35 | 1st floor – northeast bedroom 4th layer – tar paper #3 | Negative | MPT3 |
| 36 | 1st floor – northwest bedroom – on east wall – texture | Negative | STX |
| 37 | 1st floor – hall – on south wall – texture | Negative | STX |
| 38 | 1st floor – southwest bedroom – on south wall – texture | Negative | STX |
| 39 | 1st floor – living room – on south wall – texture | Negative | STX |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 40 | 1st floor – northeast bedroom – on north wall – texture | Negative | STX |
| 41a | 1st floor – bathroom floor – cream ceramic tile | Negative | MCTMc |
| 41b | 1st floor – bathroom floor – under cream ceramic tile - mortar | Negative | MCTMc |
| 41c | 1st floor – bathroom floor – under mortar – fiberboard | Negative | MFB |
| 42a | 1st floor – bathroom – on west wall – black ceramic tile | Negative | MCTMk |
| 42b | 1st floor – bathroom – on west wall – under black ceramic tile – mortar | Negative | MCTMk |
| 42c | 1st floor – bathroom – on west wall – under mortar – joint compound | Negative | MCTMk |
| 43a | 1st floor – southwest bedroom – on ceiling tile – texture | Negative | MSCT11 |
| 43b | 1st floor – southwest bedroom – 1' x 1' ceiling tile | Negative | MSCT11 |
| 44 | 1st floor – living room west side – 1' x 1' ceiling tile | Negative | MSCT11 |
| 45 | 1st floor – living room northeast – 1' x 1' ceiling tile | Negative | MSCT11 |
| 46a | 1st floor – kitchen – on west wall – gray ceramic tile #2 | Negative | MCTMy2 |
| 46b | 1st floor – kitchen – on west wall – grout | Negative | MCTMy2 |
| 46c | 1st floor – kitchen – on west wall – under gray ceramic tile #2 – mortar | Negative | MCTMy2 |
| 46d | 1st floor – kitchen – on west wall – under mortar – plaster | Negative | MCTMy2 |
| 47a | 1st floor – kitchen southwest – top layer – 16" black floor tile | Negative | MF16k |
| 47b | 1st floor – kitchen southwest – top layer – under 16" black floor tile – yellow mastic | Negative | MF16k |
| 47c | 1st floor – kitchen southwest – 2nd layer – black and beige linoleum | Negative | MFLke |
| 47d | 1st floor – kitchen southwest – 2nd layer – under black and beige linoleum – yellow mastic | Negative | MFLke |
| 48a | 1st floor – kitchen southeast – top layer – 16" black floor tile | Negative | MF16k |
| 48b | 1st floor – kitchen southeast – top layer – under 16" black floor tile – yellow mastic | Negative | MF16k |
| 48c | 1st floor – kitchen southeast – 2nd layer – black and beige linoleum | Negative | MFLke |
| 48d | 1st floor – kitchen southeast – 2nd layer – under black and beige linoleum – yellow mastic | Negative | MFLke |
| 49a | 1st floor – kitchen northwest – top layer – 16" black floor tile | Negative | MF16k |
| 49b | 1st floor – kitchen northwest – top layer – under 16" black floor tile – yellow mastic | Negative | MF16k |
| 49c | 1st floor – kitchen northwest – 2nd layer – black and beige linoleum | Negative | MFLke |
| 49d | 1st floor – kitchen northwest – 2nd layer – under black and beige linoleum – yellow mastic | Negative | MFLke |
| **50a** | **1st floor – kitchen southwest – 4th layer – 12" beige floor tile** | **Positive 5% Chrysotile** | **MF12e** |
| 50b | 1st floor – kitchen southwest – 4th layer – under 12" beige floor tile – yellow mastic | Negative | MF12e |
| **51a** | **1st floor – kitchen southeast – 4th layer – 12" beige floor tile** | **Positive 5% Chrysotile** | **MF12e** |
| 51b | 1st floor – kitchen southeast – 4th layer – under 12" beige floor tile – yellow mastic | Negative | MF12e |
| **52a** | **1st floor – kitchen northwest – 4th layer – 12" beige floor tile** | **Positive 5% Chrysotile** | **MF12e** |
| 52b | 1st floor – kitchen northwest – 4th layer – under 12" beige floor tile – yellow mastic | Negative | MF12e |
| 53 | Attic – west room – at east entry – yellow linoleum | Negative | MFLl |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 54 | Roof – at roof vent – black membrane | Negative | MRM |
| 55a | Attic – on chimney – joint compound layer | Negative | SPlP |
| 55b | Attic – on chimney – plaster patch skim coat | Negative | SPlP |
| 55c | Attic – on chimney – plaster patch base coat | Negative | SPlP |
| 56 | Attic – in northwest corner – brown linoleum | Negative | MFLn |
| 57 | Basement – in east closet – gray paper insulation | Negative | MPIy |
| 58 | Basement stair – on riser – stair tread | Negative | MST |
| 59 | Basement – on chimney – flue packing | Negative | TFP |

Three (3) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Transite Siding | MTP | Exterior Walls | 1,600 SF | Poor |
| 12" Beige & Brown Floor Tile | MF12en | Hall, Northwest Bedroom, Northeast Bedroom, & Southwest Bedroom Under Carpet | 300 SF | Fair |
| 12" Beige Floor Tile | MF12e | Kitchen 4th layer, Under Plywood | 180 SF | Fair |

## Assumed Asbestos Containing Materials

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof Flashing | MRF | Roof at Chimney | 5 SF | Fair |

This material was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are category I non friable and category II non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| SPlP | Plaster Patch |
| STC | Stucco |
| STX | Texture |
| MTP | Transite Siding |
| MPT | Tar Paper Exterior Wall |
| MPT2 | Tar Paper Roof |
| MPT3 | Tar Paper Floor |
| MRSgw | Green & White Asphalt Shingle |

**Homogeneous Material Codes**

| | |
|---|---|
| MCTMy | Gray Ceramic Tile |
| MCTMc | Cream Ceramic Tile |
| MCTMk | Black Ceramic Tile |
| MCTMy2 | Gray Ceramic Tile #2 |
| MVFk | Black Vinyl Sheet Flooring |
| MLC | Leveling Compound |
| MPG | Glazing Compound |
| MBI | Blown in Insulation |
| MF12en | 12" Beige & Brown Floor Tile |
| MF12ln | 12" Yellow & Brown Floor Tile |
| MF12e | 12" Beige Floor Tile |
| MF16k | 16" Black Floor Tile |
| MDW | Drywall/Joint Compound |
| MSCT11 | 1' x 1' Ceiling Tile |
| MFLl | Yellow Linoleum |
| MFLn | Brown Linoleum |
| MRM | Roof Membrane |
| MPIy | Gray Paper Insulation |
| MST | Stair Tread |
| TFP | Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2216 North 21st Street, Milwaukee, Wisconsin, took place on July 5, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section X.

**Interior: 2216 North 21st Street, Milwaukee, Wisconsin**

- **Painted masonry was observed on the interior basement walls and floor. Lead based paint was detected in the white wall paint**

**Exterior: 2216 North 21st Street, Milwaukee, Wisconsin**

- **Painted masonry was observed on the exterior basement brick walls and concrete window sills. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2216 North 21st Street, Milwaukee, Wisconsin** **Date: 7/5/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | North Window Sill | Concrete | Green | 0.247 |
| P2 | Exterior | North Wall | Brick | Tan | 0.00478 |
| P3 | Basement | West Floor | Concrete | Red | 0.0418 |
| P4 | Basement | East Floor | Concrete | Gray | 0.0547 |
| P5 | Basement | North Center Wall | Brick | Tan | 0.0317 |
| **P6** | **Basement** | **South Wall** | **Brick** | **White** | **3.55** |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS – 1 Breaker Box in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

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

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| 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 | White Plaster | Asbestos Not Present | NA | Sand CaCO3 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.

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 009 | 9 | Homogeneous | White Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 010 | 10 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 011 | 11 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 012 | 12 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber | 25 | Tar Sand |
| 013 | 13 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |

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

# Polarized Light Microscopy Asbestos Analysis Report

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Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 015 | 15 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 60 | Tar |
| 016 | 16 | Layered | White Ceramic Tile | Asbestos Not Present | NA | | Clay |
| 016a | | Layered | Gray Leveling Compound | Asbestos Not Present | NA | | CaCO3 |
| 017 | 17 | Layered | Gray Flooring | Asbestos Not Present | NA | | Vinyl CaCO3 |
| 017a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue Binder |
| 018 | 18 | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |

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Project: DNS
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Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 018a | | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 019 | 19 | Homogeneous | Tan Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 020 | 20 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 021 | 21 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 022 | 22 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 023 | 23 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 5 | NA | Vinyl CaCO3 |

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Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 023a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 024 | 24 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 5 | NA | Vinyl CaCO3 |
| 024a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 025 | 25 | Layered | Gray Floor Tile | Asbestos Present Chrysotile 5 | NA | Vinyl CaCO3 |
| 026 | 26 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose 20 | Tar Vinyl |
| 027 | 27 | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 Perlite Paint |
| 027a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 2 | Gypsum |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 028 | 28 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 Perlite Paint |
| 028a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 2 | Gypsum |
| 029 | 29 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 Perlite Paint |
| 029a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 2 | Gypsum |
| 030 | 30 | Homogeneous | White Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 031 | 31 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 Paint |

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

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Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 032 | 32 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Sand Gypsum |
| 033 | 33 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Paint |
| 033a | | Layered | Tan Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 034 | 34 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 035 | 35 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 036 | 36 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |

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

QuanTEM is a NVLAP accredited 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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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 037 | 37 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 CaCO3 |
| 038 | 38 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 039 | 39 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 040 | 40 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 041 | 41 | Layered | Gray Ceramic Tile | Asbestos Not Present | NA | Clay |
| 041a | | Layered | Gray Leveling Compound | Asbestos Not Present | NA | Sand CaCO3 |
| 041b | | Layered | White Fiberboard | Asbestos Not Present | Cellulose 80 | 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. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 042 | 42 | Layered | Black<br>Ceramic Tile | Asbestos Not Present | NA | Clay |
| 042a | | Layered | Gray<br>Leveling Compound | Asbestos Not Present | NA | Sand<br>CaCO3 |
| 042b | | Layered | White<br>Texture | Asbestos Not Present | NA | CaCO3<br>Perlite |
| 043 | 43 | Layered | White<br>Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 043a | | Layered | Brown<br>Ceiling Tile | Asbestos Not Present | Cellulose 100 | |
| 044 | 44 | Homogeneous | Black<br>Ceiling Tile | Asbestos Not Present | Cellulose 100 | |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 045 | 45 | Homogeneous | Black Ceiling Tile | Asbestos Not Present | Cellulose 100 | |
| 046 | 46 | Layered | Black Ceramic Tile | Asbestos Not Present | NA | Clay |
| 046a | | Layered | Brown Grout | Asbestos Not Present | NA | Sand CaCO3 |
| 046b | | Layered | Gray Leveling Compound | Asbestos Not Present | NA | Sand CaCO3 |
| 046c | | Layered | White Plaster | Asbestos Not Present | NA | Sand CaCO3 |
| 047 | 47 | Layered | Black Flooring | Asbestos Not Present | NA | Vinyl CaCO3 |
| 047a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 047b | | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| 047c | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 048 | 48 | Layered | Black Flooring | Asbestos Not Present | NA | | Vinyl CaCO3 |
| 048a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 048b | | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| 048c | | Layered | Yellow 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. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 049 | 49 | Layered | Black Flooring | Asbestos Not Present | NA | Vinyl CaCO3 |
| 049a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 049b | | Layered | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose 25 | Vinyl |
| 049c | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 050 | 50 | Layered | White Floor Tile | Asbestos Present Chrysotile 5 | NA | Vinyl CaCO3 |
| 050a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 051 | 51 | Layered | White Floor Tile | Asbestos Present Chrysotile 5 | NA | Vinyl CaCO3 |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 051a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 052 | 52 | Layered | White Floor Tile | Asbestos Present<br>Chrysotile 5 | NA | Vinyl<br>CaCO3 |
| 052a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 053 | 53 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 054 | 54 | Homogeneous | Black Plastic | Asbestos Not Present | NA | Plastic |
| 055 | 55 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 296368
Account Number: B929
Date Received: 07/06/2018
Received By: Natasha Naik
Date Analyzed: 07/13/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2216

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 055a | | Layered | White Skim Coat | Asbestos Not Present | NA | | Sand CaCO3 |
| 055b | | Layered | Brown Plaster | Asbestos Not Present | NA | | Sand CaCO3 |
| 056 | 56 | Homogeneous | Black Linoleum | Asbestos Not Present | Cellulose | 25 | Tar Binder |
| 057 | 57 | Homogeneous | White Linoleum | Asbestos Not Present | Cellulose | 25 | Tar Binder |
| 058 | 58 | Homogeneous | Black/White Flooring | Asbestos Not Present | Cellulose | 60 | Tar Paint |
| 059 | 59 | Homogeneous | Gray Stucco | Asbestos Not Present | Cellulose<br>Wollastonite | 5<br>40 | Sand CaCO3 |

Cristal Veech
Cristal Veech, Analyst

7/13/2018
Date of Report

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

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# ASBESTOS CHAIN OF CUSTODY



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| For Lab Use Only | |
|---|---|
| Lab No. 296368 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2216 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 7/5/18 1700 | FedEx | [signature] | 07/06/18 8:50 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☑ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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For Lab Use Only
Lab No. 296368
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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For Lab Use Only
Lab No. 296368
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☑ | | | | |

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For Lab Use Only
Lab No. 246368
Accept 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 |
|---|---|---|---|---|---|---|
| 5_1 | 51 | ☒ | | | | |
| 5_2 | 52 | ☐ | | | | |
| 5_3 | 53 | ☐ | | | | |
| 5_4 | 54 | ☐ | | | | |
| 5_5 | 55 | ☐ | | | | |
| 5_6 | 56 | ☐ | | | | |
| 5_7 | 57 | ☐ | | | | |
| 5_8 | 58 | ☐ | | | | |
| 5_9 | 59 | ☑ | | | | |
| _0 | | ☐ | | | | |
| _1 | | ☐ | | | | |
| _2 | | ☐ | | | | |
| _3 | | ☐ | | | | |
| _4 | | ☐ | | | | |
| _5 | | ☐ | | | | |
| _6 | | ☐ | | | | |
| _7 | | ☐ | | | | |
| _8 | | ☐ | | | | |
| _9 | | ☐ | | | | |
| _0 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 296382
**Date Received:** 07/06/18
**Received By:** Natasha Naik
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 07/13/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2216

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.247 | 0.0049 | % | 07/12/18 15:06 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.00748 | 0.005 | % | 07/12/18 15:06 | P EPA 7000B (1) |
| 003 | P3 | Paint | Lead | 0.0418 | 0.00488 | % | 07/12/18 15:06 | P EPA 7000B (1) |
| 004 | P4 | Paint | Lead | 0.0547 | 0.00494 | % | 07/12/18 15:06 | P EPA 7000B (1) |
| 005 | P5 | Paint | Lead | 0.0317 | 0.00499 | % | 07/12/18 15:06 | P EPA 7000B (1) |
| 006 | P6 | Paint | Lead | 3.55 | 0.00488 | % | 07/12/18 15:06 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

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| For Lab Use Only | |
|---|---|
| Lab No. 296382 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2216 |

| Report Results (☑ one box) | |
|---|---|
| ✓ | **QuanTEM Website** |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 7/5/18 1700 | FedEx | [signature] | 07/06/18 8:50 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | P3 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 4 | P4 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 5 | P5 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 6 | P6 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

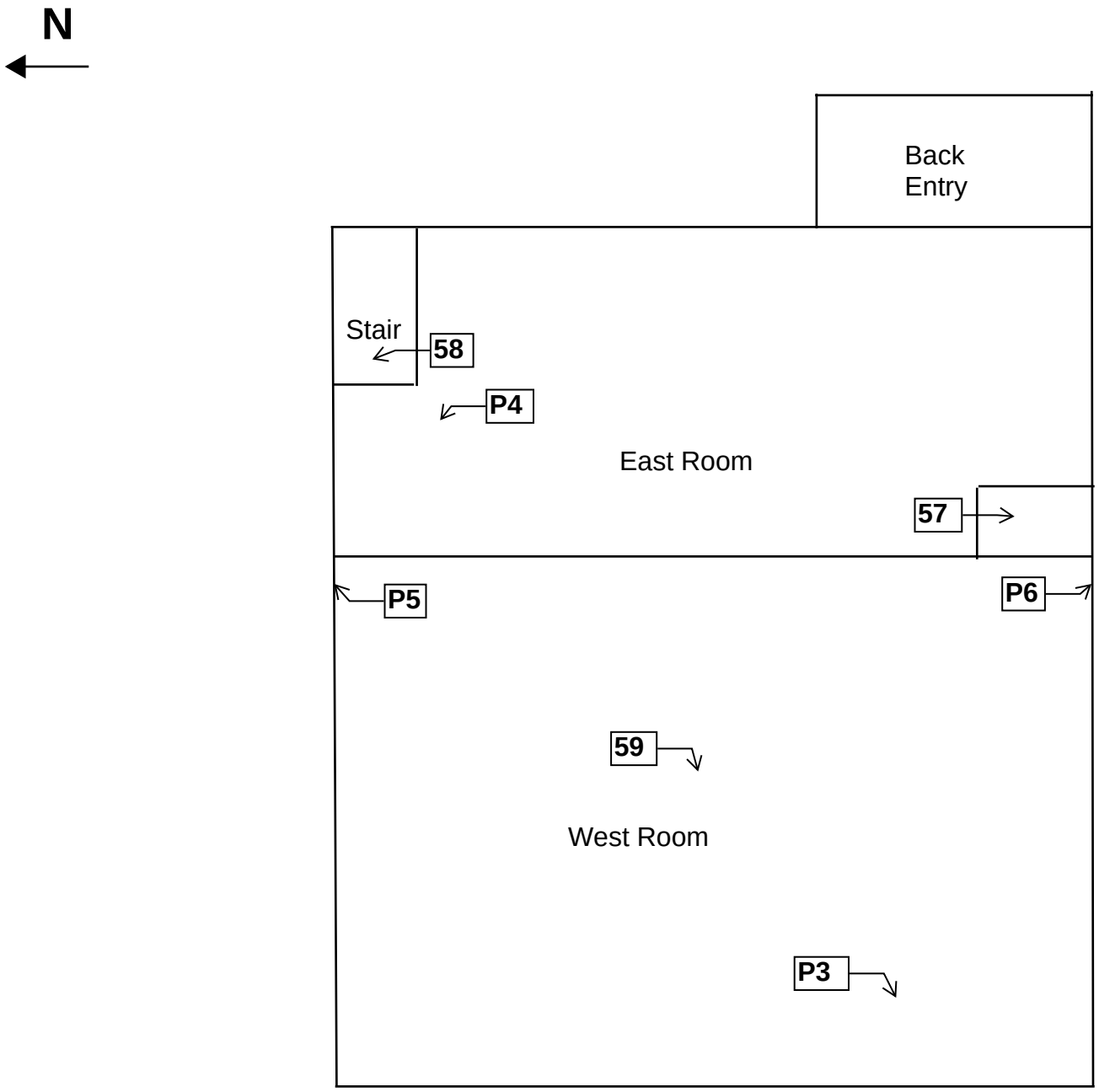
| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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

# XI. FLOOR PLANS

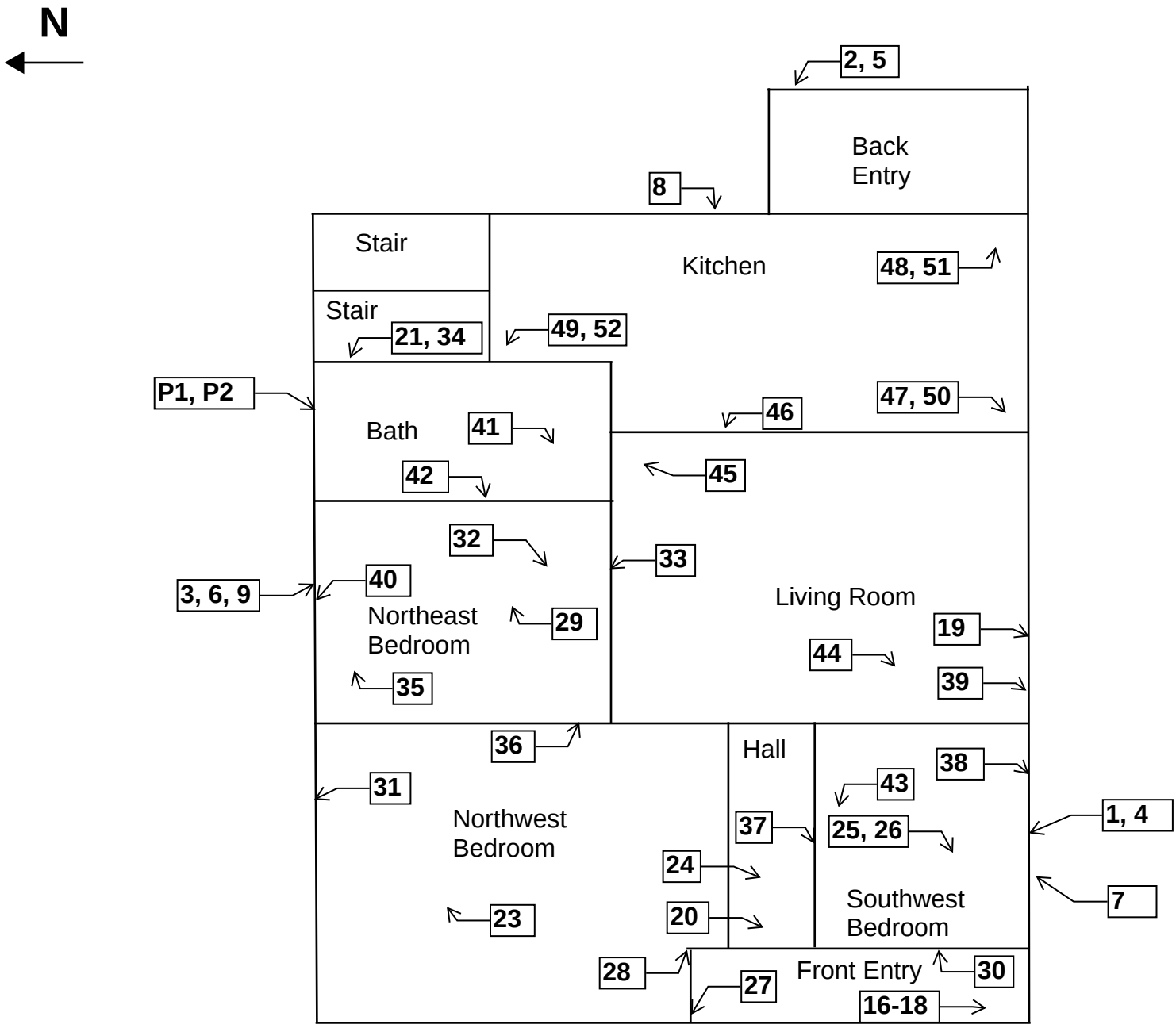
**One Family Dwelling**
**2216 North 21st Street**
**Milwaukee, Wisconsin**

Basement Floor Plan



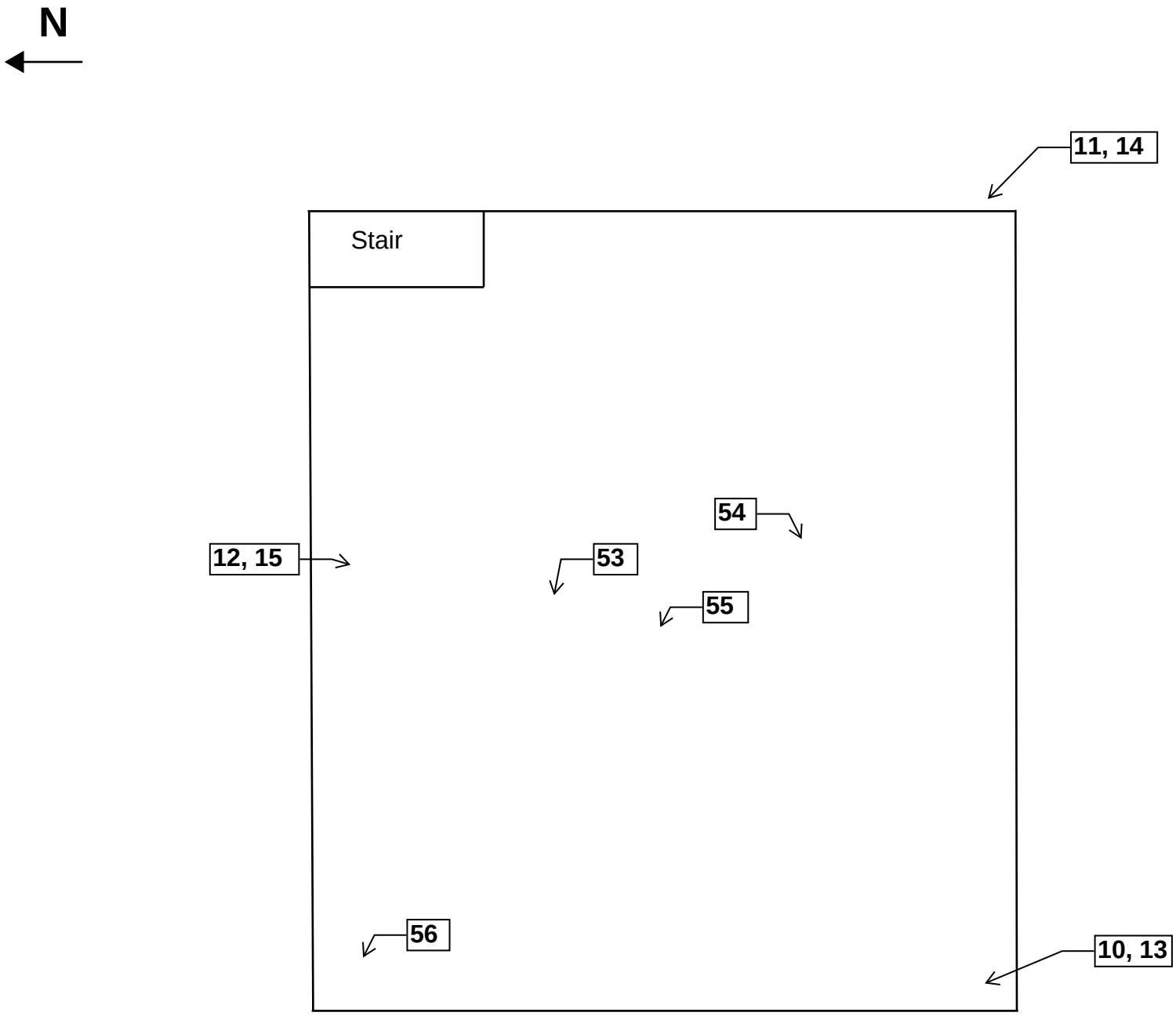
**One Family Dwelling**
**2216 North 21st Street**
**Milwaukee, Wisconsin**

1st Floor Plan



**One Family Dwelling**
**2216 North 21st Street**
**Milwaukee, Wisconsin**

Attic/Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

December 15, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

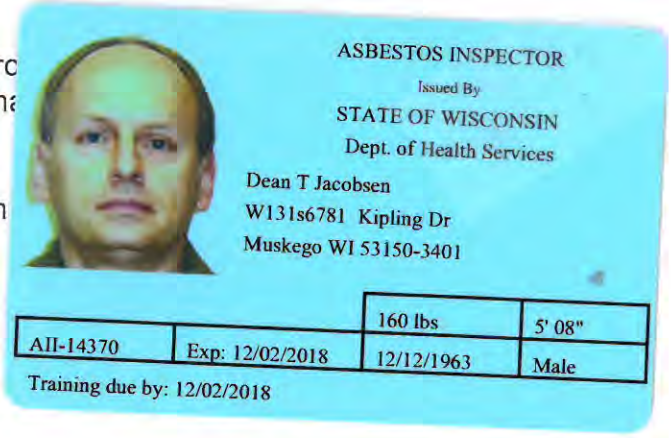
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Fire Damaged**
**Two Family Dwelling**
**2433-33A North 21st Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2433**
**Inspector: Dean Jacobsen**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**June 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2433-33A North 21st Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

June 4, 2018

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

RE: Deconstruction Inspection Report
2433-33A North 21st Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2433-33A North 21st Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2433-33A North 21st Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in duct wrap and basement insulation pad sampled during the inspection. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the exterior brick walls. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling at 2433-33A North 21st Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has vinyl and wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 May 15, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2433-33A North 21st Street, Milwaukee, Wisconsin. The inspection was conducted and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper insulation
- Asphalt roofing
- Linoleum
- Floor tile
- Plaster
- Drywall/joint compound
- Ceramic tile
- Tar paper
- Duct wrap
- Blown in insulation
- Flue packing
- Caulk
- Glazing compound

- Insulation pad
- Roof flashing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – south wall under wood siding – tan paper insulation | Negative | MPIt |
| 2 | Exterior – north wall under wood siding – tan paper insulation | Negative | MPIt |
| 3 | Exterior – east wall under wood siding – tan paper insulation | Negative | MPIt |
| 4 | Roof – west side overhang – top layer – red and white asphalt shingle | Negative | MRSrw |
| 5 | Roof – north side – top layer – red and white asphalt shingle | Negative | MRSrw |
| 6 | Roof – south side – top layer – red and white asphalt shingle | Negative | MRSrw |
| 7 | Roof – west side overhang – bottom layer – green asphalt shingle | Negative | MRSg |
| 8 | Roof – north side – bottom layer – green asphalt shingle | Negative | MRSg |
| 9 | Roof – south side – bottom layer – green asphalt shingle | Negative | MRSg |
| 10a | 1st floor – kitchen – on north wall – white linoleum | Negative | MFLw |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 10b | 1st floor – kitchen – on north wall – under white linoleum – brown mastic | Negative | MFLw |
| 11 | 1st floor – kitchen – center top layer – 12” brown floor tile | Negative | MF12n |
| 12 | 1st floor – kitchen – west side top layer – 12” brown floor tile | Negative | MF12n |
| 13 | 1st floor – kitchen – east side top layer – 12” brown floor tile | Negative | MF12n |
| 14a | 1st floor – kitchen – center bottom layer – 12” gray floor tile | Negative | MF12y |
| 14b | 1st floor – kitchen – center bottom layer – under 12” gray floor tile – yellow mastic | Negative | MF12y |
| 15a | 1st floor – kitchen – west side bottom layer – 12” gray floor tile | Negative | MF12y |
| 15b | 1st floor – kitchen – west side bottom layer – under 12” gray floor tile – yellow mastic | Negative | MF12y |
| 16a | 1st floor – kitchen – east side bottom layer – 12” gray floor tile | Negative | MF12y |
| 16b | 1st floor – kitchen – east side bottom layer – under 12” gray floor tile – yellow mastic | Negative | MF12y |
| 17a | 1st floor – kitchen – east wall – plaster skim coat | Negative | SPl |
| 17b | 1st floor – kitchen – east wall – plaster base coat | Negative | SPl |
| 18a | 1st floor – dining room – ceiling – plaster skim coat | Negative | SPl |
| 18b | 1st floor – dining room – ceiling – plaster base coat | Negative | SPl |
| 19a | 1st floor – living room – ceiling – plaster skim coat | Negative | SPl |
| 19b | 1st floor – living room – ceiling – plaster base coat | Negative | SPl |
| 20a | 2nd floor – dining room – west wall – plaster skim coat | Negative | SPl |
| 20b | 2nd floor – dining room – west – plaster base coat | Negative | SPl |
| 21a | Attic – east room – ceiling – plaster skim coat | Negative | SPl |
| 21b | Attic – east room – ceiling – plaster base coat | Negative | SPl |
| 22a | 1st floor – kitchen – ceiling – joint compound | Negative | MDW |
| 22b | 1st floor – kitchen – ceiling – drywall | Negative | MDW |
| 23 | 1st floor – bathroom – east wall – drywall | Negative | MDW |
| 24a | 2nd floor – dining room – west wall – joint compound | Negative | MDW |
| 24b | 2nd floor – dining room – west wall – drywall | Negative | MDW |
| 25 | 1st floor – bathroom top layer – 12” tan and brown floor tile | Negative | MF12tn |
| 26a | 1st floor – bathroom bottom layer – 12” gray and white floor tile | Negative | MF12yw |
| 26b | 1st floor – bathroom bottom layer – under 12” gray and white floor tile – yellow mastic | Negative | MF12yw |
| 27a | 1st floor – bathroom – on walls – gray ceramic tile | Negative | MCTMy |
| 27b | 1st floor – bathroom – on walls – under gray ceramic tile – yellow mastic | Negative | MCTMy |
| 28a | 1st floor – bathroom – on walls – red ceramic tile | Negative | MCTMr |
| 28b | 1st floor – bathroom – on walls – under red ceramic tile – yellow mastic | Negative | MCTMr |
| 29 | 1st floor – bathroom – on wall at tub under panel – white mastic | Negative | MPMw |
| 30a | 1st floor – kitchen – on south wall – white ceramic tile | Negative | MCTMw |
| 30b | 1st floor – kitchen – on south wall – under white ceramic tile – mortar | Negative | MCTMw |
| 31 | 1st floor – kitchen – on west wall return – tar paper | Negative | MPT |
| **32** | **1st floor – dining room – on north wall duct – duct wrap** | **Positive 80% Chrysotile** | **TDW** |
| 33 | 1st floor – living room – on floor – blown in insulation | Negative | MBI |
| 34 | 2nd floor – living room – in west wall – blown in insulation | Negative | MBI |
| 35 | Attic – on floor – blown in insulation | Negative | MBI |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 36 | 1st floor – east bedroom – on south wall – joint compound patch | Negative | MJC |
| 37a | 1st floor – front entry – top layer – orange linoleum | Negative | MFLo |
| 37b | 1st floor – front entry – bottom layer – 12" beige floor tile | Negative | MF12e |
| 38a | 2nd floor – bathroom – 12" gray and tan floor tile | Negative | MF12yt |
| 38b | 2nd floor – bathroom – under 12" gray and tan floor tile – yellow mastic | Negative | MF12yt |
| 39a | 2nd floor – kitchen – top layer east side – 12" gray and tan floor tile | Negative | MF12yt |
| 39b | 2nd floor – kitchen – top layer east side – under 12" gray and tan floor tile – yellow mastic | Negative | MF12yt |
| 40a | 2nd floor – kitchen – top layer west side – 12" gray and tan floor tile | Negative | MF12yt |
| 40b | 2nd floor – kitchen – top layer west side – under 12" gray and tan floor tile – yellow mastic | Negative | MF12yt |
| 41 | 2nd floor – kitchen bottom layer – linoleum backing | Negative | MFLback |
| 42 | 2nd floor – dining room under carpet – brown mastic | Negative | MCM |
| 43 | 2nd floor – west bedroom under carpet – brown mastic | Negative | MCM |
| 44 | 2nd floor – living room under carpet – brown mastic | Negative | MCM |
| 45 | 2nd floor – living room – on west wall – white flue packing | Negative | TFPw |
| 46 | Attic – on chimney – gray flue packing | Negative | TFPy |
| 47 | Basement – stair – on north window – glazing compound | Negative | MPG |
| 48 | Basement – on chimney – dark gray flue packing | Negative | TFPydark |
| **49** | **Basement – on southwest joist – insulation pad** | **Positive 80% Chrysotile** | **TIP** |
| 50a | 1st floor – kitchen – on east counter – tan linoleum | Negative | MFLt |
| 50b | 1st floor – kitchen – on east counter – under tan linoleum – brown mastic | Negative | MFLt |

Two (2) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Duct Wrap | TDW | 1st Floor Dining Room & Living Room on Wall Vents | 5 SF | Poor |
| Insulation Pad | TIP | Basement on Southwest Joist | 1 SF | Fair |

## Assumed Asbestos Containing Materials

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof Flashing | MRF | Roof at Chimney | 4 SF | Fair |

This material was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with

certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

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

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| MPIt | Tan Paper Insulation |
| MRSrw | Red & White Asphalt Shingle |
| MRSg | Green Asphalt Shingle |
| MFLw | White Linoleum |
| MFLo | Orange Linoleum |
| MFLback | Linoleum Backing |
| MFLt | Tan Linoleum |
| MF12n | 12" Brown Floor Tile |
| MF12y | 12" Gray Floor Tile |
| MF12tn | 12" Tan & Brown Floor Tile |
| MF12yw | 12" Gray & White Floor Tile |
| MF12e | 12" Beige Floor Tile |
| MF12yt | 12" Gray & Tan Floor Tile |
| MDW | Drywall/Joint Compound |
| MCTMy | Gray Ceramic Tile |
| MCTMr | Red Ceramic Tile |
| MCTMw | White Ceramic Tile |
| MPMw | White Panel Mastic |
| MPT | Tar Paper |
| MBI | Blown in Insulation |
| MJC | Joint Compound Patch |
| MCM | Carpet Mastic |
| MPG | Glazing Compound |
| TDW | Duct Wrap |
| TFPw | White Flue Packing |
| TFPy | Gray Flue Packing |
| TFPydark | Dark Gray Flue Packing |
| TIP | Insulation Pad |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2433-33A North 21st Street, Milwaukee, Wisconsin, took place on May 3, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

**B. Component Testing Results**

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2433-33A North 21st Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the interior**

**Exterior: 2433-33A North 21st Street, Milwaukee, Wisconsin**

- **Painted brick was observed on exterior basement walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2433-33A North 21st Street, Milwaukee, Wisconsin** **Date: 5/15/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | North Wall | Brick | Brown | 0.00838 |
| P2 | Exterior | Southeast Wall | Brick | Gray | 0.0342 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Floors in all rooms covered with 1 foot fire debris – floors only partially accessible. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

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

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

## ELECTRICAL SYSTEMS

N/A Load Meters and Supply Relays

N/A Phase Splitters

N/A Microwave Relays

N/A Mercury Displacement Relays

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

N/A Transformers

N/A Capacitors (appliances, electronic equipment)

N/A Heat Transfer Equipment

N/A Ballasts

N/A Specialty Paints (such as for swimming pools or other industrial applications)

N/A Sumps or Oil Traps (in maintenance and industrial facilities)

## OTHER ENVIRONMENTAL ISSUES

N/A Hazardous Waste

N/A Oil Tanks

N/A Well Abandonment

N/A Junk Auto Tires

N/A Junk Vehicles

* 5 Gallons Paint in Stair
* 1 Water Meter & 2 Gas Meters in Basement

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 002 | 2 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose | 100 | |
| 003 | 3 | Homogeneous | Black Paper | Asbestos Not Present | Cellulose | 90 | Tar |
| 004 | 4 | Homogeneous | Gray Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 005 | 5 | Homogeneous | Gray Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 006 | 6 | Homogeneous | Gray Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 007 | 7 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |

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

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QuanTEM LABORATORIES
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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 009 | 9 | Homogeneous | Green Roofing | Asbestos Not Present | Cellulose | 45 | Tar Sand |
| 010 | 10 | Layered | Multi-Color Flooring | Asbestos Not Present | Cellulose | 60 | Tar CaCO3 |
| 010a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 011 | 11 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 012 | 12 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 013 | 13 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014 | 14 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 014a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 015 | 15 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 015a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 016 | 16 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 016a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| 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 Gypsum |
| 017a | | Layered | Gray Plaster | Asbestos Not Present | NA | Gypsum Perlite |
| 018 | 18 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 018a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | Gypsum Sand |
| 019 | 19 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 019a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | Gypsum Sand |

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QuanTEM LABORATORIES
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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 020 | 20 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 020a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | Gypsum Sand |
| 021 | 21 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 021a | | Layered | Gray Plaster | Asbestos Not Present | Hair <1 | Gypsum Sand |
| 022 | 22 | Layered | Brown Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 022a | | Layered | Brown Sheetrock | Asbestos Not Present | Cellulose 15 | Gypsum |
| 023 | 23 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose 15 | Gypsum |

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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. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 024 | 24 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 024a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 15 | Gypsum |
| 025 | 25 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 026 | 26 | Layered | White Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 026a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 027 | 27 | Layered | Gray Ceramic Tile | Asbestos Not Present | NA | | Clay Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 294405
Account Number: B929
Date Received: 05/16/2018
Received By: Travis Miller
Date Analyzed: 05/24/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 027a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue CaCO3 |
| 028 | 28 | Layered | Red Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 028a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue CaCO3 |
| 029 | 29 | Homogeneous | White Mastic | Asbestos Not Present | NA | Glue CaCO3 |
| 030 | 30 | Layered | White Ceramic Tile | Asbestos Not Present | NA | Clay Sand |
| 030a | | Layered | White Mortar | Asbestos Not Present | NA | CaCO3 Sand |
| 031 | 31 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 70 | Tar |

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# Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 05/16/2018
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Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 032 | 32 | Homogeneous | Tan Paper | Asbestos Present Chrysotile 80 | NA | Binder |
| 033 | 33 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 034 | 34 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 035 | 35 | Homogeneous | Gray Insulation | Asbestos Not Present | Cellulose 100 | |
| 036 | 36 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 037 | 37 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

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Date Received: 05/16/2018
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Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 037a | | Layered | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 038 | 38 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 038a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 039 | 39 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 039a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 040 | 40 | Layered | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 040a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 041 | 41 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 042 | 42 | Homogeneous | Multi-Color Coating | Asbestos Not Present | Cellulose | 10 | CaCO3 Paint Binder |
| 043 | 43 | Homogeneous | Multi-Color Coating | Asbestos Not Present | Cellulose | 10 | CaCO3 Paint Binder |
| 044 | 44 | Homogeneous | Multi-Color Coating | Asbestos Not Present | Cellulose | 10 | CaCO3 Paint Binder |
| 045 | 45 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 046 | 46 | Homogeneous | Gray Insulation | Asbestos Not Present | Wollastonite | 45 | Gypsum |

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Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2433

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 047 | 47 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | CaCO3 Binder |
| 048 | 48 | Homogeneous | Gray Concrete | Asbestos Not Present | NA | CaCO3 Sand Gypsum |
| 049 | 49 | Homogeneous | Tan Insulation | Asbestos Present Chrysotile 80 | NA | Binder |
| 050 | 50 | Layered | Multi-Color Flooring | Asbestos Not Present | Cellulose 25 | CaCO3 Vinyl |
| 050a | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |

Dee Am

Dee Ammerman, Analyst

5/25/2018
Date of Report

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# ASBESTOS CHAIN OF CUSTODY



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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

| For Lab Use Only | |
|---|---|
| Lab No. 294405 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2433 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [illegible] | 5/15/18 1700 | FedEx | [illegible] 5-5-16 10:40 | |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 294405
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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For Lab Use Only
Lab No. 294405
Accept 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 | ☐ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 294412
**Date Received:** 05/16/18
**Received By:** Amber Bassett
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 05/21/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2433

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.00838 | 0.00498 | % | 05/16/18 15:59 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.0342 | 0.00492 | % | 05/16/18 15:59 | P EPA 7000B (1) |

**Authorized Signature:**_____
Cherry Rossen, Technical Manager

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

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

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

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

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

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

QUANTEM LABORATORIES

www.QuanTEM.com

# LEAD 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. 294412 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2433 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 5/15/18 1700 | FedEx | Amber Bassett 10:40 | 5-16-18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

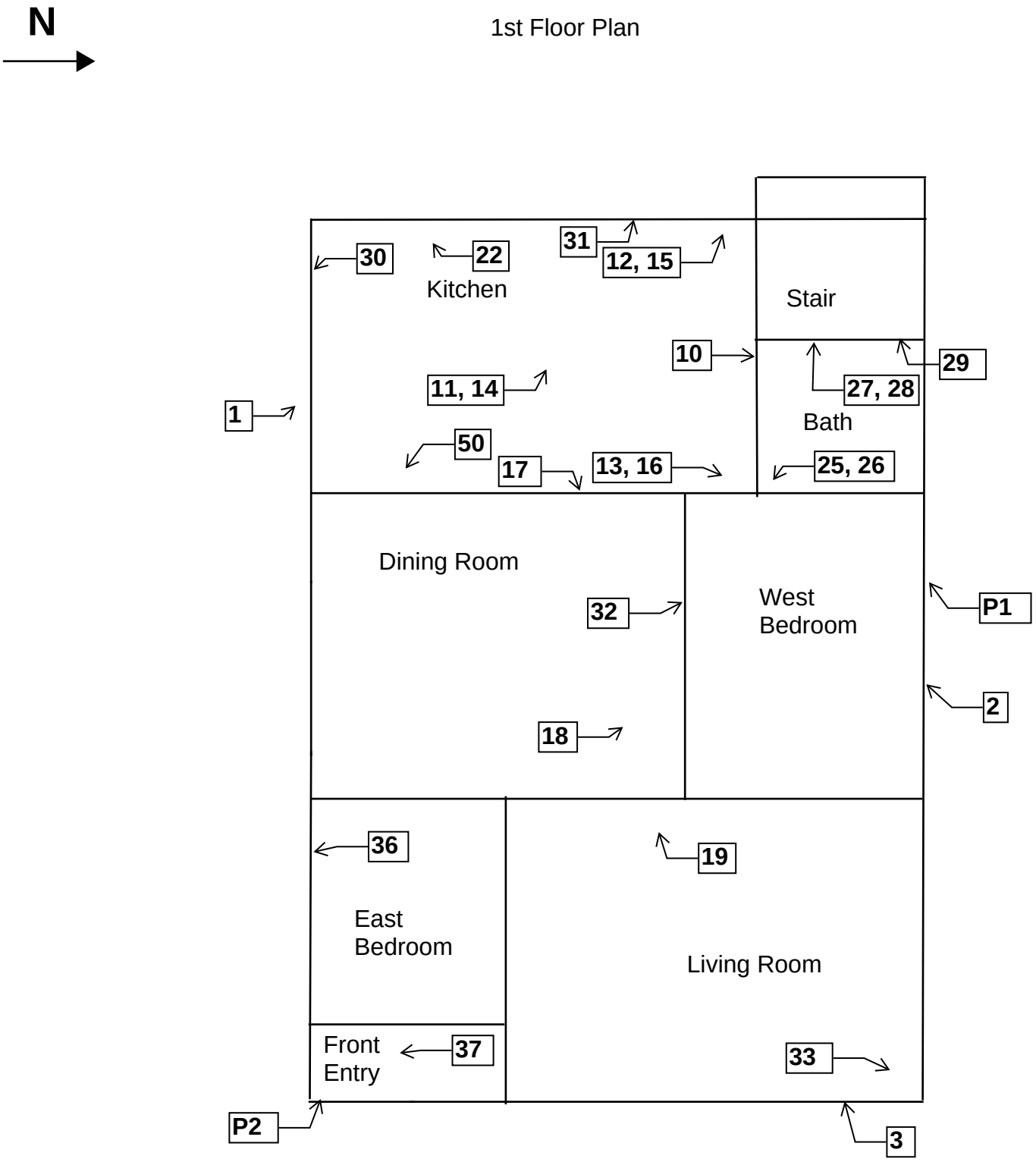
| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✓ | 3 - Day |
| | 5 - Day |

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

# XI. FLOOR PLANS

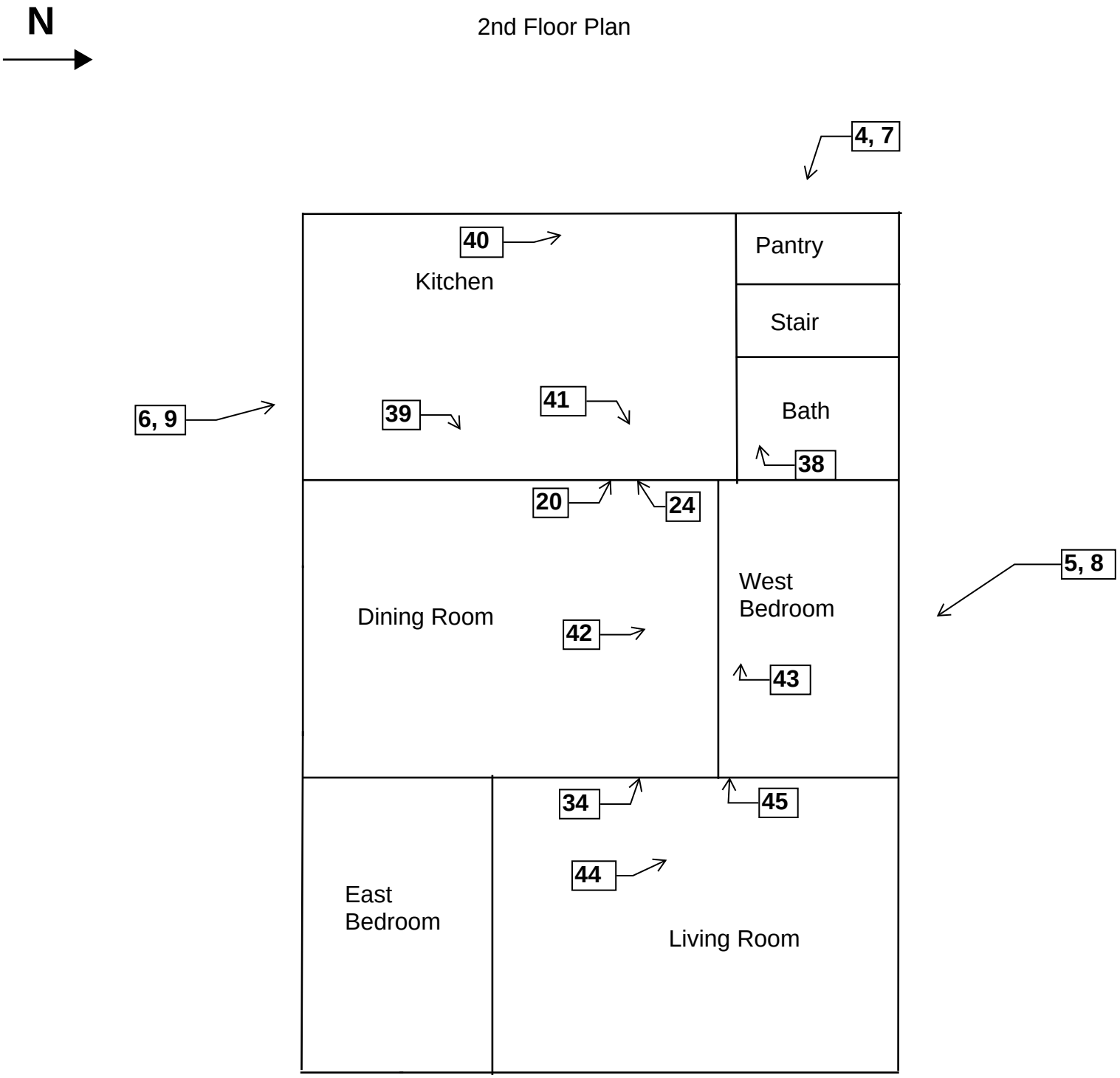
**Two Family Dwelling**
**2433-33A North 21st Street**
**Milwaukee, Wisconsin**

1st Floor Plan



**Two Family Dwelling**
**2433-33A North 21st Street**
**Milwaukee, Wisconsin**

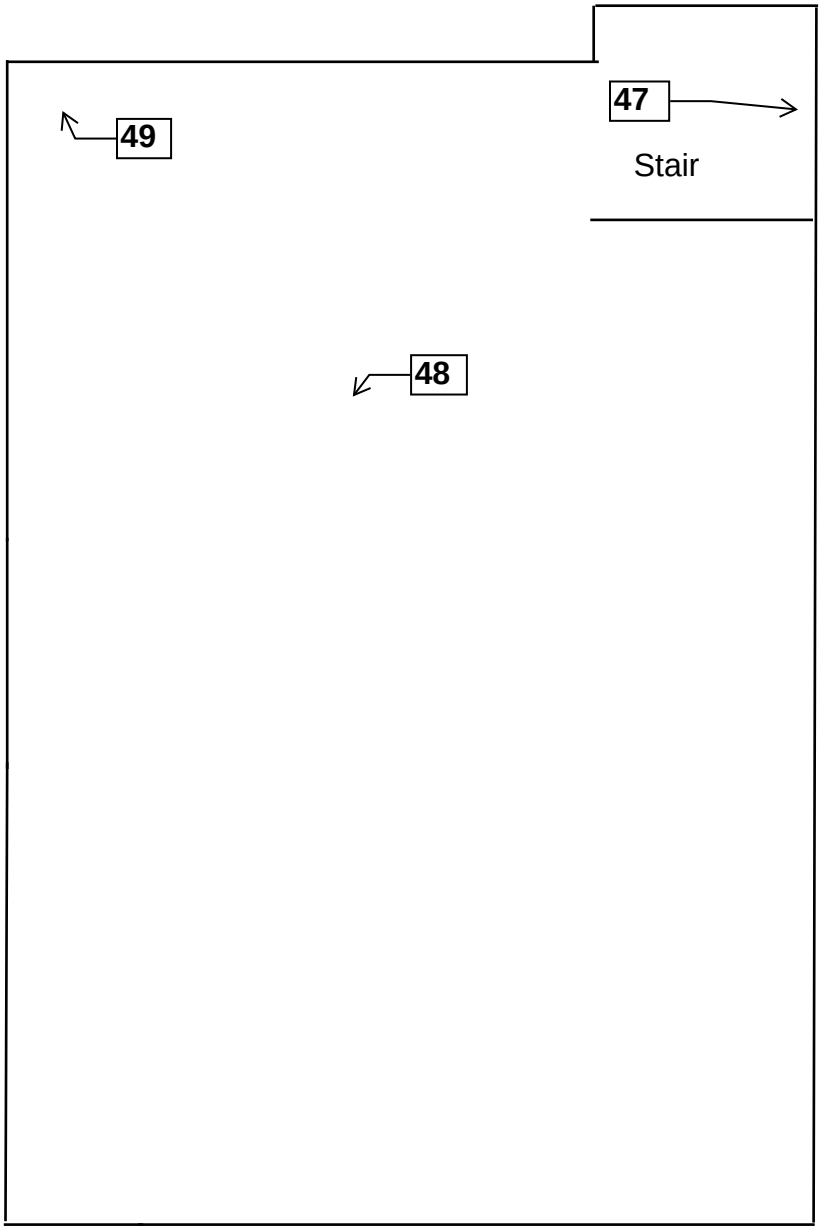
2nd Floor Plan



**Two Family Dwelling**
**2433-33A North 21st Street**
**Milwaukee, Wisconsin**

**N**

Basement Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

December 15, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

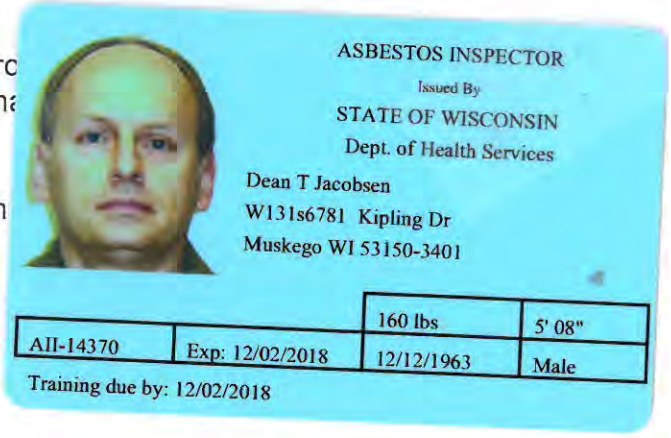
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

HARENDA MANAGEMENT GROUP
A DIVISION OF KH INDUSTRIES LLC.

**ASBESTOS INSPECTION REPORT**
**Job Site:**

**One Family Dwelling and Garage**
**2445 North 21st Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 17-400-080.2445**
**Contract No.: 360-17-0745**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

Prepared by:

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

**March 2017**

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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 2445 North 21st Street, Milwaukee, Wisconsin.

The inspection included plaster, asphalt roofing, transite siding, tar paper, paper insulation, window glazing compound, caulk, drywall, blown in insulation, ceiling tile, linoleum, floor tile, flue packing, duct paper, insulation pad, and mastic 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 March 15, 2017, HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for fire training and deconstruction, located at 2445 North 21st Street, Milwaukee, Wisconsin. The inspection was conducted by Damian Rogowski, Wisconsin License No. AII – 161300.**

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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, asphalt roofing, transite siding, tar paper, paper insulation, window glazing compound, caulk, drywall, blown in insulation, ceiling tile, linoleum, floor tile, flue packing, duct paper, insulation pad, and mastic. These materials were sampled and the following results were noted:

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | House – roof north side – green asphalt shingle | Negative | MRSg |
| 2 | House – roof east side – green asphalt shingle | Negative | MRSg |
| 3 | House – roof west side – green asphalt shingle | Negative | MRSg |
| **4** | **House Exterior – south wall – transite siding** | **Positive 25% Chrysotile** | **MPT** |
| **5** | **House Exterior – west wall – transite siding** | **Positive 25% Chrysotile** | **MPT** |
| **6** | **House Exterior – north wall – transite siding** | **Positive 25% Chrysotile** | **MPT** |
| 7 | House Exterior – south wall under transite siding – brown paper insulation | Negative | MPIn |
| 8 | House Exterior – west wall under transite siding – brown paper insulation | Negative | MPIn |
| 9 | House Exterior – north wall under transite siding – brown paper insulation | Negative | MPIn |
| 10 | House Exterior – south wall under brown paper insulation – tar paper | Negative | MPT |
| 11 | House Exterior – west wall under brown paper insulation – tar paper | Negative | MPT |
| 12 | House Exterior – north wall under brown paper insulation – tar paper | Negative | MPT |
| 13 | House Exterior – on north window – glazing compound | Negative | MPG |
| 14 | House Exterior – on east window – glazing compound | Negative | MPG |
| **15** | **House Exterior – on west window – glazing compound** | **Positive 5% Chrysotile** | **MPG** |
| **16** | **House Exterior – around south window – green caulk** | **Positive 3% Chrysotile** | **MCLKg** |
| **17** | **House Exterior – around west window – green caulk** | **Positive 3% Chrysotile** | **MCLKg** |
| **18** | **House Exterior – around north window – green caulk** | **Positive 3% Chrysotile** | **MCLKg** |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 20 | House Exterior – west wall under wood siding – tar paper #2 | Negative | MPT2 |
| 21 | House Exterior – north wall under wood siding – tar paper #2 | Negative | MPT2 |
| 22 | Garage Roof – east side bottom layer – white asphalt shingle | Negative | MRSw |
| 23 | Garage Roof – south side bottom layer – white asphalt shingle | Negative | MRSw |
| 24 | Garage Roof – west side bottom layer – white asphalt shingle | Negative | MRSw |
| **25** | **Garage Exterior – east wall – transite siding #2** | **Positive 20% Chrysotile** | **MTP2** |
| **26** | **Garage Exterior – south wall – transite siding #2** | **Positive 20% Chrysotile** | **MTP2** |
| **27** | **Garage Exterior – west wall – transite siding #2** | **Positive 20% Chrysotile** | **MTP2** |
| 28 | Garage Exterior – east wall under transite #2 – drywall | Negative | MDW |
| 29 | Garage Exterior – south wall under transite #2 – drywall | Negative | MDW |
| 30 | Garage Exterior – west wall under transite #2 – drywall | Negative | MDW |
| 31 | House Exterior – in north wall – blown in insulation | Negative | MBI |
| 32 | House Exterior – in west wall – blown in insulation | Negative | MBI |
| 33 | House Exterior – in south wall – blown in insulation | Negative | MBI |
| 34a | Garage Roof – east side top layer – black asphalt shingle | Negative | MRSk |
| 34b | Garage Roof – east side top layer – on black asphalt shingle – tar | Negative | MRSk |
| 35a | Garage Roof – west side top layer – black asphalt shingle | Negative | MRSk |
| 35b | Garage Roof – west side top layer – on black asphalt shingle – tar | Negative | MRSk |
| 36a | Garage Roof – south side top layer – black asphalt shingle | Negative | MRSk |
| 36b | Garage Roof – south side top layer – on black asphalt shingle – tar | Negative | MRSk |
| **37a** | **House Exterior – on west wall and roof – black tar flashing** | **Positive 15% Chrysotile** | **MRF** |
| 37b | House Exterior – west side – asphalt roofing | Negative | MRF |
| 38 | 1st floor – front entry – 2’ x 4’ ceiling tile | Negative | MSCT24 |
| 39 | 1st floor – dining room – 2’ x 4’ ceiling tile | Negative | MSCT24 |
| 40 | 1st floor – living room – 2’ x 4’ ceiling tile | Negative | MSCT24 |
| 41 | 1st floor – northeast bedroom – tan and red linoleum | Negative | MFLtr |
| 42 | 1st floor – kitchen – north side top layer – 12” white floor tile | Negative | MF12w |
| 43 | 1st floor – kitchen – east side top layer – 12” white floor tile | Negative | MF12w |
| 44 | 1st floor – kitchen – west side top layer – 12” white floor tile | Negative | MF12w |
| 45a | 1st floor – kitchen – north side 2nd layer – yellow linoleum | Negative | MFLl |
| 45b | 1st floor – kitchen – north side bottom layer – tan linoleum | Negative | MFLt |
| 45c | 1st floor – kitchen – north side bottom layer – under tan linoleum – brown mastic | Negative | MFLt |
| 46a | 1st floor – kitchen – east side 2nd layer – yellow linoleum | Negative | MFLl |
| 46b | 1st floor – kitchen – east side bottom layer – tan linoleum | Negative | MFLt |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 46c | 1st floor – kitchen – east side bottom layer – under tan linoleum – gray mastic | Negative | MFLt |
| 47 | 1st floor – kitchen – west side 2nd layer – yellow linoleum | Negative | MFLl |
| 48 | 1st floor – kitchen – on counter – red linoleum | Negative | MFLr |
| 49 | 1st floor – kitchen – on east wall under panel – tan mastic | Negative | MWMt |
| 50 | 1st floor – back entry – south wall – drywall #2 | Negative | MDW2 |
| 51 | 1st floor – back entry – 1' x 1' ceiling tile | Negative | MSCT11 |
| 52 | 1st floor – back entry – under 1' x 1' ceiling tile – brown mastic | Negative | MCMn |
| **53** | **1st floor – back entry – 12" beige and gold floor tile** | **Positive 5% Chrysotile** | **MF12ed** |
| 54 | 1st floor – bathroom – on east wall – beige mastic | Negative | MWMe |
| 55 | 1st floor – bathroom – on west wall – beige mastic | Negative | MWMe |
| 56 | 1st floor – bathroom – on north wall – beige mastic | Negative | MWMe |
| **57** | **1st floor – bathroom – beige linoleum** | **Positive 25% Chrysotile** | **MFLe** |
| 58a | Attic – stair – brown linoleum | Negative | MFLn |
| 58b | Attic – stair – under brown linoleum – yellow mastic | Negative | MFLn |
| 59a | 1st floor – dining room – south wall – plaster skim coat | Negative | SPl |
| 59b | 1st floor – dining room – south wall – plaster base coat | Negative | SPl |
| 60a | 1st floor – living room – south wall – plaster skim coat | Negative | SPl |
| 60b | 1st floor – living room – south wall – plaster base coat | Negative | SPl |
| 61a | 1st floor – kitchen – north wall – plaster skim coat | Negative | SPl |
| 61b | 1st floor – kitchen – north wall – plaster base coat | Negative | SPl |
| 62a | 1st floor – bathroom – north wall – plaster skim coat | Negative | SPl |
| 62b | 1st floor – bathroom – north wall – plaster base coat | Negative | SPl |
| 63 | Attic – stair – east wall – plaster | Negative | SPl |
| 64 | Basement – on chimney – flue packing | Negative | TFP |
| 65 | Basement – north side on gas pipe – gray caulk | Negative | MCLKy |
| **66** | **Basement – on north side duct – duct paper** | **Positive 60% Chrysotile** | **TDW** |
| **67** | **Basement – on west side wall near center – insulation pad** | **Positive 60% Chrysotile** | **TIP** |
| 68 | Basement – on ceiling – multicolored linoleum | Negative | MFLm |
| 69 | Basement – north side ceiling – plaster #2 | Negative | SPl2 |
| 70 | Basement – east side ceiling – plaster #2 | Negative | SPl2 |
| 71 | Basement – west side ceiling – plaster #2 | Negative | SPl2 |
| 72 | Basement – west side on floor – tar paper #3 | Negative | MPT3 |

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

| Material | Homogeneous Code | Location | Approximate Quantity |
|---|---|---|---|
| Transite Siding | MTP | House Exterior Walls | 1,300 Sq. Ft. |
| Window Glazing Compound | MPG | Windows on All Floors, Garage | 32 Windows |
| Green Caulk | MCLKg | Exterior Around 1st Floor & Attic Windows & Doors, Garage | 20 Windows & 3 Doors, 1 Garage Door |
| Transite Siding #2 | MTP2 | Garage Exterior Walls | 400 Sq. Ft. |
| Black Flashing | MRF | House on Roof Over West Door & On West Side Roof Near Chimney | 5 Sq. Ft. |
| 12" Beige & Gold Floor Tile | MF12ed | 1st Floor Back Entry | 20 Sq. Ft. |

| Material | Homogeneous Code | Location | Approximate Quantity |
|---|---|---|---|
| Beige Linoleum | MFLe | 1st Floor Bathroom | 50 Sq. Ft. |
| Duct Paper | TDW | Basement on North Side Duct | 5 Sq. Ft. |
| Insulation Pad | TIP | Basement on West Side Wall Near Center | 6 Sq. Ft. |

**Note#1:** The linoleum, duct paper, and insulation pad are friable materials and must be abated by a Wisconsin certified asbestos company prior to fire training and deconstruction.

The transite sidings, window glazing compound, and gray caulk are category II non-friable materials must be abated by a Wisconsin certified asbestos company prior to fire training and deconstruction.

The beige and gold floor tile is a category I non friable material and must be abated by a Wisconsin certified asbestos company prior to fire training and deconstruction..

**Note#2:** If additional materials are discovered during fire training or deconstruction that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the fire department and the deconstruction contractor.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| SPl2 | Plaster Basement |
| MRSg | Green Asphalt Shingle Roofing |
| MRSw | White Asphalt Shingle Roofing |
| MRSk | Black Asphalt Shingle Roofing |
| MTP | Transite Siding House |
| MTP2 | Transite Siding Garage |
| MPIn | Brown Paper Insulation |
| MPT | Tar Paper |
| MPT2 | Tar Paper #2 |
| MPT3 | Tar Paper Basement |
| MPG | Window Glazing Compound |
| MCLKg | Green Caulk |
| MCLKy | Gray Caulk |
| MDW | Drywall Exterior |
| MDW2 | Drywall Interior |
| MBI | Blown in Insulation |
| MRF | Black Flashing |
| MSCT24 | 2’ x 4’ Ceiling Tile |
| MSCT11 | 1’ x 1’ Ceiling Tile |
| MFLtr | Tan & Red Linoleum |
| MFLl | Yellow Linoleum |
| MFLr | Red Linoleum |
| MFLt | Tan Linoleum |
| MFLe | Beige Linoleum |
| MFLn | Brown Linoleum |
| MFLm | Multicolored Linoleum |
| MF12w | 12” White Floor Tile |
| MF12ed | 12” Beige & Gold Floor Tile |
| MWMt | Tan Wall Mastic |
| MWMn | Brown Wall Mastic |
| MWMe | Beige Wall Mastic |

**Homogeneous Material Codes**

| | |
|---|---|
| TDW | Duct Paper |
| TFP | Flue Packing |
| TIP | Insulation Pad |

## V. EXCLUSIONS

**All 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

| | |
|---|---|
| 4 | Fluorescent Lights – Living Room, Dining Room |
| N/A | High Intensity Discharge<br>-Metal Halide<br>-High Pressure Sodium<br>-Mercury Vapor |
| N/A | Neon |
| N/A | Switches for lighting using mercury relays<br>-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches. |

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

## ELECTRICAL SYSTEMS

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

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

| | |
|---|---|
| N/A | Transformers |
| N/A | Capacitors (appliances, electronic equipment) |
| N/A | Heat Transfer Equipment |
| 2 | Ballasts – Living Room, Dining Room |
| N/A | Specialty Paints (such as for swimming pools or other industrial applications) |
| N/A | Sumps or Oil Traps (in maintenance and industrial facilities) |

## OTHER ENVIRONMENTAL ISSUES

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

* 1 Gas Meter on Exterior

# VIII. LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 277585
Account Number: B929
Date Received: 03/16/2017
Received By: Karen Braley
Date Analyzed: 03/21/2017
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber 30 | Tar Sand |
| 002 | 2 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber 30 | Tar Sand |
| 003 | 3 | Homogeneous | Green Shingle | Asbestos Not Present | Glass Fiber 30 | Tar Sand |
| 004 | 4 | Homogeneous | White Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 005 | 5 | Homogeneous | White Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 006 | 6 | Homogeneous | White Transite | Asbestos Present Chrysotile 25 | NA | CaCO3 Binder |
| 007 | 7 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 40<br>Glass Fiber 10 | Foil |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose<br>Glass Fiber | 40<br>10 | Foil |
| 009 | 9 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose<br>Glass Fiber | 40<br>10 | Foil |
| 010 | 10 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 011 | 11 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 012 | 12 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |
| 013 | 13 | Homogeneous | White 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 |
|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 015 | 15 | Homogeneous | Tan Window Glazing | Asbestos Present Chrysotile 5 | NA | CaCO3 |
| 016 | 16 | Homogeneous | Green Window Glazing | Asbestos Present Chrysotile 3 | Talc 3 | CaCO3 |
| 017 | 17 | Homogeneous | Green Window Glazing | Asbestos Present Chrysotile 3 | Talc 3 | CaCO3 |
| 018 | 18 | Homogeneous | Green Window Glazing | Asbestos Present Chrysotile 3 | Talc 3 | CaCO3 |
| 019 | 19 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |
| 020 | 20 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | Brown Paper | Asbestos Not Present | Cellulose 100 | |
| 022 | 22 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 023 | 23 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 024 | 24 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 025 | 25 | Homogeneous | White Wallboard | Asbestos Present Chrysotile 20 | Cellulose 30 | CaCO3 Binder |
| 026 | 26 | Homogeneous | White Wallboard | Asbestos Present Chrysotile 20 | Cellulose 30 | CaCO3 Binder |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 027 | 27 | Homogeneous | White Wallboard | Asbestos Present<br>Chrysotile 20 | Cellulose 30 | CaCO3 Binder |
| 028 | 28 | Homogeneous | Brown Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 029 | 29 | Homogeneous | Tan Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 030 | 30 | Homogeneous | Tan Sheetrock | Asbestos Not Present | Cellulose 20 | Gypsum |
| 031 | 31 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber 100 | |
| 032 | 32 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber 100 | |
| 033 | 33 | Homogeneous | White Insulation | Asbestos Not Present | Glass Fiber 100 | |

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Project Location: Milwaukee, WI
Project Number: 17-400-080.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 034 | 34 | Layered | Black Roofing | Asbestos Not Present | Glass Fiber<br>Synthetic | 10<br>15 | Tar |
| 034a | | Layered | Black Tar | Asbestos Not Present | NA | | Tar |
| 035 | 35 | Layered | Black Roofing | Asbestos Not Present | Glass Fiber<br>Synthetic | 10<br>15 | Tar |
| 035a | | Layered | Black Tar | Asbestos Not Present | NA | | Tar |
| 036 | 36 | Layered | Black Roofing | Asbestos Not Present | Glass Fiber<br>Synthetic | 10<br>15 | Tar |
| 036a | | Layered | Black Tar | Asbestos Not Present | NA | | Tar |

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Milwaukee, WI 53204

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 037 | 37 | Layered | Black<br>Tar | Asbestos Present<br>Chrysotile 15 | NA | Tar |
| 037a | | Layered | Black<br>Roofing | Asbestos Not Present | Glass Fiber 30 | Tar<br>Sand |
| 038 | 38 | Homogeneous | Yellow<br>Ceiling Tile | Asbestos Not Present | Glass Fiber 90 | Paint |
| 039 | 39 | Homogeneous | Yellow<br>Ceiling Tile | Asbestos Not Present | Glass Fiber 90 | Paint |
| 040 | 40 | Homogeneous | Yellow<br>Ceiling Tile | Asbestos Not Present | Glass Fiber 90 | Paint |
| 041 | 41 | Homogeneous | Tan<br>Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3<br>Vinyl<br>Tar |
| 042 | 42 | Homogeneous | White<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |

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Project: DNS
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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 043 | 43 | Homogeneous | White Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 044 | 44 | Homogeneous | White Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 045 | 45 | Layered | Multi-Color Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| 045a | | Layered | Tan Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 045b | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 046 | 46 | Layered | Multi-Color Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 17-400-080.2445

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 046a | | Layered | Tan Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 046b | | Layered | Gray Mastic | Asbestos Not Present | NA | | Glue |
| 047 | 47 | Homogeneous | Multi-Color Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| 048 | 48 | Homogeneous | Red Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 049 | 49 | Homogeneous | Tan Caulk | Asbestos Not Present | NA | | CaCO3 Binder |
| 050 | 50 | Homogeneous | White Sheetrock | Asbestos Not Present | Cellulose | 15 | Gypsum |
| 051 | 51 | Homogeneous | Tan Ceiling Tile | Asbestos Not Present | Cellulose | 90 | Paint |

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|---|---|---|---|---|---|---|
| 052 | 52 | Homogeneous | Yellow Mastic | Asbestos Not Present | NA | Glue CaCO3 |
| 053 | 53 | Homogeneous | White Floor Tile | Asbestos Present Chrysotile 5 | NA | CaCO3 Vinyl |
| 054 | 54 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 055 | 55 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 056 | 56 | Homogeneous | White Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 057 | 57 | Homogeneous | White Sheet Vinyl | Asbestos Present Chrysotile 25 | Cellulose 10 | CaCO3 Vinyl |

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|---|---|---|---|---|---|---|
| 058 | 58 | Layered | Brown Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 058a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 059 | 59 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 059a | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 060 | 60 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |
| 060a | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 061 | 61 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 |

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|---|---|---|---|---|---|---|---|
| 061a | | Layered | Gray Plaster | Asbestos Not Present | NA | | CaCO3 Sand |
| 062 | 62 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 |
| 062a | | Layered | Gray Plaster | Asbestos Not Present | NA | | CaCO3 Sand |
| 063 | 63 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | | CaCO3 Sand |
| 064 | 64 | Homogeneous | Gray Caulk | Asbestos Not Present | Wollastonite | 20 | CaCO3 Binder |
| 065 | 65 | Homogeneous | Gray Caulk | Asbestos Not Present | Glass Fiber | 3 | CaCO3 Binder |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 066 | 66 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 067 | 67 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 068 | 68 | Homogeneous | bt Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 069 | 69 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 070 | 70 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 071 | 71 | Homogeneous | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 072 | 72 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose | 70 | Tar |

Dee Ammerman, Analyst

3/21/2017
Date of Report

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www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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



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| For Lab Use Only | |
|---|---|
| Lab No. 277585 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 17-400-080.2445 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 3/15/17 1730 | FedEx | K Bradley | 3-16-17 9:45 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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# ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 277585
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☑ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☐ | | | | |

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Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 44 | ☐ | | | | |
| 45 | 45 | ☐ | | | | |
| 46 | 46 | ☐ | | | | |
| 47 | 47 | ☐ | | | | |
| 48 | 48 | ☐ | | | | |
| 49 | 49 | ☐ | | | | |
| 50 | 50 | ☑ | | | | |

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| For Lab Use Only | |
|---|---|
| Lab No. 277585 | |
| Accept | 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 |
|---|---|---|---|---|---|---|
| 51 | 51 | ☒ | | | | |
| 52 | 52 | ☐ | | | | |
| 53 | 53 | ☐ | | | | |
| 54 | 54 | ☐ | | | | |
| 55 | 55 | ☐ | | | | |
| 56 | 56 | ☐ | | | | |
| 57 | 57 | ☐ | | | | |
| 58 | 58 | ☐ | | | | |
| 59 | 59 | ☐ | | | | |
| 60 | 60 | ☐ | | | | |
| 61 | 61 | ☐ | | | | |
| 62 | 62 | ☐ | | | | |
| 63 | 63 | ☐ | | | | |
| 64 | 64 | ☐ | | | | |
| 65 | 65 | ☐ | | | | |
| 66 | 66 | ☐ | | | | |
| 67 | 67 | ☐ | | | | |
| 68 | 68 | ☐ | | | | |
| 69 | 69 | ☐ | | | | |
| 70 | 70 | ☑ | | | | |

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| For Lab Use Only | |
|---|---|
| Lab No. 277585 | |
| Accept | 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 |
|---|---|---|---|---|---|---|
| 71 | 71 | ☒ | | | | |
| 72 | 72 | ☒ | | | | |
| _3 | | ☐ | | | | |
| _4 | | ☐ | | | | |
| _5 | | ☐ | | | | |
| _6 | | ☐ | | | | |
| _7 | | ☐ | | | | |
| _8 | | ☐ | | | | |
| _9 | | ☐ | | | | |
| _0 | | ☐ | | | | |
| _1 | | ☐ | | | | |
| _2 | | ☐ | | | | |
| _3 | | ☐ | | | | |
| _4 | | ☐ | | | | |
| _5 | | ☐ | | | | |
| _6 | | ☐ | | | | |
| _7 | | ☐ | | | | |
| _8 | | ☐ | | | | |
| _9 | | ☐ | | | | |
| _0 | | ☐ | | | | |

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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,
Unit Supervisor

**17-348**

**Cert. No.**

# Certificate of Completion

## Damian S. Rogowski

*Has completed and satisfactorily passed an examination covering the contents of the course title listed below.*

*This training course complies with the requirements of TSCA Title IV and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159 Wis. Adm. Code.*

**Course: Refresher Asbestos Inspector**

S.A. Herbst & Associates

*1237 West Bruce Street * Milwaukee, WI 53204 * (414) 727-7900*

*Class Location: 1237 W. Bruce Street, Milwaukee, WI 53204*

*Kenneth A. Harenda II*

*Instructor/Trainer Name*

*Signature*

*March 17, 2017*

*Examination Date*

*Course Date: 3/17/17*

*Certificate Issued: March 17, 2017*

*March 17, 2018*

*Expiration Date*

**DECCONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2016-18 North 23rd Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2016-18**
**Inspector: Dean Jacobsen**
**Contract No.: 360-18-0745**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**April 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2016-18 North 23rd Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

April 16, 2018

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

RE: Deconstruction Inspection Report
2016-18 North 23rd Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2016-18 North 23rd Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2016-18 North 23rd Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in roof flashing, yellow linoleum, linoleum backing, 12" white floor tile, and gray flue packing sampled during the inspection. Asbestos was detected at less than 1% in joint compound on drywall. Results are in Section IV of this report.

Lead was detected in paint on the exterior block walls. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling at 2016-18 North 23rd Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has wood and asphalt siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 March 30, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2016-18 North 23rd Street, Milwaukee, Wisconsin. The inspection was conducted and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Asphalt shingle siding
- Caulk
- Asphalt roofing
- Tar paper
- Roof flashing
- Glazing compound
- Floor tile
- Plaster
- Paper insulation
- Linoleum
- Flue packing
- Wall paper
- Drywall/joint compound
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – north wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 2 | Exterior – south wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 3 | Exterior – west wall under vinyl siding – asphalt shingle siding | Negative | MSS |
| 4 | Exterior – around west window – gray caulk | Negative | MCLKy |
| 5a | Roof – over west entry top layer – red asphalt shingle | Negative | MRSr |
| 5b | Roof – over west entry bottom layer – tar paper | Negative | MPT |
| 6a | Roof – east side top layer – red asphalt shingle | Negative | MRSr |
| 6b | Roof – east side bottom layer – tar paper | Negative | MPT |
| 7a | Roof – north side top layer – red asphalt shingle | Negative | MRSr |
| 7b | Roof – north side bottom layer – tar paper | Negative | MPT |
| **8** | **Roof – over west entry – tar flashing** | **Positive 20% Chrysotile** | **MRF** |
| 9 | Roof – northeast addition top layer – tar paper #2/tar | Negative | MPT2 |
| 10 | Roof – over southeast roof – tar flashing #2 | Negative | MRF2 |
| 11 | 1st floor – front entry – under carpet – brown mastic | Negative | MCMn |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 12 | 1st floor – living room – on west window – glazing compound | Negative | MPG |
| 13 | 2nd floor – bedroom – on west window – glazing compound | Negative | MPG |
| 14 | 2nd floor – living room – on south window – glazing compound | Negative | MPG |
| 15 | 1st floor – dining room northwest – 12” gray floor tile | Negative | MF12y |
| 16 | 1st floor – dining room southeast – 12” gray floor tile | Negative | MF12y |
| 17 | 1st floor – dining room center – 12” gray floor tile | Negative | MF12y |
| 18a | 1st floor – kitchen – west side top layer – 12” white and blue floor tile | Negative | MF12wb |
| **18b** | **1st floor – kitchen – west side bottom layer – yellow linoleum** | **Positive 25% Chrysotile** | **MFLl** |
| 19a | 1st floor – kitchen – center top layer – 12” white and blue floor tile | Negative | MF12wb |
| **19b** | **1st floor – kitchen – center bottom layer – yellow linoleum** | **Positive 25% Chrysotile** | **MFLl** |
| 20a | 1st floor – kitchen – east side top layer – 12” white and blue floor tile | Negative | MF12wb |
| **20b** | **1st floor – kitchen – east side bottom layer – yellow linoleum** | **Positive 25% Chrysotile** | **MFLl** |
| **21** | **1st floor – kitchen – north center near north wall under yellow linoleum – linoleum backing** | **Positive 75% Chrysotile** | **MFLback** |
| **22** | **1st floor – kitchen – on counter – 12” white floor tile** | **Positive 4% Chrysotile** | **MF12w** |
| **23** | **1st floor – bathroom top layer – linoleum backing #2** | **Positive 75% Chrysotile** | **MFLback2** |
| 24a | 1st floor – bathroom bottom layer – white material | Negative | MPT3 |
| 24b | 1st floor – bathroom bottom layer – tar paper #3 | Negative | MPT3 |
| 25a | 1st floor – bathroom – on northeast wall – white panel | Negative | MPMt |
| 25b | 1st floor – bathroom – on northeast wall under panel – tan mastic | Negative | MPMt |
| 26 | 1st floor – bathroom – on tub – white caulk | Negative | MCLKw |
| 27 | 1st floor – bedroom – under carpet – yellow and green linoleum | Negative | MFLlg |
| 28a | 1st floor – bedroom – north wall – plaster | Negative | SPl |
| 28b | 1st floor – bedroom – north wall – under plaster – drywall | Negative | SPl |
| 29a | 2nd floor – living room – south wall – plaster | Negative | SPl |
| 29b | 2nd floor – living room – south wall – under plaster – drywall | Negative | SPl |
| 30a | 1st floor – living room – east wall – plaster | Negative | SPl |
| 30b | 1st floor – living room – east wall – under plaster – drywall | Negative | SPl |
| 31a | 1st floor – dining room – north wall – plaster | Negative | SPl |
| 31b | 1st floor – dining room – north wall – under plaster – drywall | Negative | SPl |
| 32a | 1st floor – kitchen – ceiling – plaster | Negative | SPl |
| 32b | 1st floor – kitchen – ceiling – under plaster – drywall | Negative | SPl |
| 33 | Basement – stair under carpet – brown paper insulation | Negative | MPIn |
| 34a | Basement – stair – west wall – joint compound | Trace <1% Chrysotile | MDW |
| 34a | POINT COUNT RESULT | Trace <0.25% Chrysotile | MDW |
| 34b | 2nd floor – stair – south wall – drywall | Negative | MDW |
| 35a | 2nd floor – stair – south wall – joint compound | Positive 2% Chrysotile | MDW |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 35a | POINT COUNT RESULT | Trace 0.75% Chrysotile | MDW |
| 35b | Basement – stair – west wall – drywall | Negative | MDW |
| 36a | 2nd floor – bedroom – north wall – joint compound | Negative | MDW |
| 36b | 2nd floor – bedroom – north wall – drywall | Negative | MDW |
| **37a** | **Basement – on north side of chimney – gray flue packing bottom layer** | **Positive 8% Chrysotile** | **TFPy** |
| 37b | Basement – on north side of chimney – gray flue packing top layer | Negative | TFPy |
| 38 | Basement – on west side of chimney – light gray flue packing | Negative | TFPylight |
| 39a | 2nd floor – living room center – top layer – 12" gray and brown floor tile | Negative | MF12yn |
| 39b | 2nd floor – living room center – bottom layer – 12" tan and brown floor tile | Negative | MF12tn |
| 40 | 2nd floor – living room north side – 12" gray and brown floor tile | Negative | MF12yn |
| 41 | 2nd floor – living room southwest – 12" gray and brown floor tile | Negative | MF12yn |
| 42 | 2nd floor – bedroom – on east wall – wall paper | Negative | MWP |
| 43a | 2nd floor – bedroom closet – north wall – plaster #2 skim coat | Negative | SPl2 |
| 43b | 2nd floor – bedroom closet – north wall – plaster #2 base coat | Negative | SPl2 |
| 43Aa | 2nd floor – kitchen – north wall – plaster #2 skim coat | Negative | SPl2 |
| 43Ab | 2nd floor – kitchen – north wall – plaster #2 base coat | Negative | SPl2 |
| 43Ba | 2nd floor – kitchen – south wall – plaster #2 | Negative | SPl2 |
| 44 | 2nd floor – kitchen top layer – 12" tan and beige floor tile | Negative | MF12te |
| 45a | 2nd floor – kitchen 3rd layer – 12" beige floor tile | Negative | MF12e |
| 45b | 2nd floor – kitchen 3rd layer – under 12" beige floor tile – black mastic | Negative | MF12e |
| 46 | 2nd floor – kitchen 4th layer – green and red linoleum | Negative | MFLgr |
| 47 | 2nd floor – kitchen 5th layer – tan/brown/red linoleum | Negative | MFLtnr |
| 48 | 2nd floor – kitchen 6th layer – tan/blue/red linoleum | Negative | MFLtbr |
| 49 | 2nd floor – kitchen 7th layer – beige linoleum | Negative | MFLe |

Six (6) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Roof Flashing | MRF | Roof Over West Entry & at Chimney | 8 SF | Fair |
| Yellow Linoleum | MFLl | 1st Floor Kitchen Under Floor Tile | 160 SF | Fair |
| Linoleum Backing | MFLback | 1st Floor Kitchen North Center Floor Near North Wall Under Yellow Linoleum | 30 SF | Poor` |
| Linoleum Backing #2 | MFLback2 | 1st Floor Bathroom Floor on Tar Paper | 35 SF | Poor |
| 12" White Floor Tile | MF12w | 1st Floor Kitchen on Countertop | 15 SF | Good |

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Gray Flue Packing | TFPy | Basement on North Side of Chimney | 1 SF | Poor |

One of the materials sampled contains less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Joint Compound on Drywall | MDW | Stairwell Between 1st & 2nd Floor, Basement Stairwell, 2nd Floor Bedroom | 1,000 SF | Good |

**Note #1:** The ACMs listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

**Note#2:** The joint compound on drywall in the contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

KPH recommends that the joint compound on drywall in the stairwells and 2nd floor bedroom be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| SPL2 | Plaster #2 |
| MSS | Asphalt Shingle Siding |
| MCLKy | Gray Caulk |
| MCLKw | White Caulk |
| MRSr | Red Asphalt Shingle |
| MPT | Tar Paper |
| MPT2 | Tar Paper #2 |
| MPT3 | Tar Paper #3 |
| MRF | Roof Flashing |
| MRF2 | Roof Flashing #2 |
| MCMn | Brown Carpet Mastic |
| MPG | Glazing Compound |

**Homogeneous Material Codes**

| | |
|---|---|
| MF12y | 12" Gray Floor Tile |
| MF12wb | 12" White & Blue Floor Tile |
| MF12yn | 12" Gray & Brown Floor Tile |
| MF12w | 12" White Floor Tile |
| MF12te | 12" Tan & Beige Floor Tile |
| MF12e | 12" Beige Floor Tile |
| MFLl | Yellow Linoleum |
| MFLback | Linoleum Backing |
| MFLback2 | Linoleum Backing #2 |
| MFLlg | Yellow & Green Linoleum |
| MFLgr | Green & Red Linoleum |
| MFLtnr | Tan/Brown/Red Linoleum |
| MFLtbr | Tan/Blue/Red Linoleum |
| MFLe | Beige Linoleum |
| MPMt | Tan Panel Mastic |
| MPIn | Brown Paper Insulation |
| MDW | Drywall/Joint Compound |
| MWP | Wall Paper |
| TFPy | Gray Flue Packing |
| TFPylight | Light Gray Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2016-18 North 23rd Street, Milwaukee, Wisconsin, took place on March 30, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2016-18 North 23rd Street, Milwaukee, Wisconsin**

- **Painted block was observed on basement walls. Lead based paint was not detected.**

**Exterior: 2016-18 North 23rd Street, Milwaukee, Wisconsin**

- **Painted block was observed on basement exterior walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2016-18 North 23rd Street, Milwaukee, Wisconsin Date: 3/30/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | North Wall | Block | Gray | 0.0460 |
| P2 | Basement | Southeast Wall | Block | White | <0.00497 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**No access to attic. Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

N/A Fluorescent Lights

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

N/A Neon

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

N/A Old Thermostats

N/A Aquastats

N/A Firestats

N/A Manometers

N/A Thermometers

BOILERS, FURNACES, HEATERS AND TANKS

N/A Mercury Flame Sensors by pilot lights

N/A Manometers, Thermometers, Gauges

N/A Pressure-trol

N/A Float or Level Controls

N/A Space Heaters

**ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

| | |
|---|---|
| N/A | Hazardous Waste |
| N/A | Oil Tanks |
| N/A | Well Abandonment |
| 1 | Junk Auto Tires – Back Yard |
| N/A | Junk Vehicles |

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 292632
Account Number: B929
Date Received: 04/02/2018
Received By: Amber Bassett
Date Analyzed: 04/05/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Red Siding | Asbestos Not Present | Cellulose 45 | Tar Sand |
| 002 | 2 | Homogeneous | Red Siding | Asbestos Not Present | Cellulose 45 | Tar Sand |
| 003 | 3 | Homogeneous | Red Siding | Asbestos Not Present | Cellulose 45 | Tar Sand |
| 004 | 4 | Homogeneous | Gray Caulk | Asbestos Present Chrysotile 6 | NA | Paint Binder |
| 005 | 5 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber 25 | Tar Sand |
| 005a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 006 | 6 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber 25 | Tar Sand |

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1237 West Bruce St.
Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 006a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 007 | 7 | Layered | Red Roofing | Asbestos Not Present | Glass Fiber 25 | Tar Sand |
| 007a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 008 | 8 | Homogeneous | Gray/Black Roofing | Asbestos Present Chrysotile 20 | Cellulose 5 | Tar Paint |
| 009 | 9 | Homogeneous | Black Roofing | Asbestos Not Present | Glass Fiber 60 | Tar |
| 010 | 10 | Homogeneous | Black Roofing | Asbestos Not Present | Cellulose 20 | Tar |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 011 | 11 | Homogeneous | Brown Insulation | Asbestos Not Present | Cellulose 100 | |
| 012 | 12 | Homogeneous | Gray Window Glazing | Asbestos Not Present | NA | CaCO3 |
| 013 | 13 | Homogeneous | Gray Caulk | Asbestos Not Present | NA | CaCO3 |
| 014 | 14 | Homogeneous | Gray Caulk | Asbestos Not Present | NA | CaCO3 |
| 015 | 15 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 016 | 16 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 017 | 17 | Homogeneous | Tan Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |

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Dean Jacobsen
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 018 | 18 | Layered | Blue Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 018a | | Layered | Yellow Sheet Vinyl | Asbestos Present Chrysotile 25 | NA | Vinyl |
| 019 | 19 | Layered | Blue Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 019a | | Layered | Yellow Sheet Vinyl | Asbestos Present Chrysotile 25 | NA | Vinyl |
| 020 | 20 | Layered | Blue Floor Tile | Asbestos Not Present | NA | Vinyl CaCO3 |
| 020a | | Layered | Yellow Sheet Vinyl | Asbestos Present Chrysotile 25 | NA | Vinyl |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | White Insulation | Asbestos Present Chrysotile 75 | NA | Binder |
| 022 | 22 | Layered | White Floor Tile | Asbestos Present Chrysotile 4 | NA | Vinyl CaCO3 |
| 023 | 23 | Homogeneous | White Insulation | Asbestos Present Chrysotile 75 | NA | Binder |
| 024 | 24 | Layered | White Insulation | Asbestos Not Present | NA | CaCO3 |
| 024a | | Layered | Black Tar Paper | Asbestos Not Present | Cellulose 60 | Tar |
| 025 | 25 | Layered | White Flooring | Asbestos Not Present | NA | Vinyl CaCO3 |
| 025a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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QUANTEM LABORATORIES
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# Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929
Date Received: 04/02/2018
Received By: Amber Bassett
Date Analyzed: 04/05/2018
Analyzed By: Cristal Veech
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 026 | 26 | Homogeneous | White Caulk | Asbestos Not Present | NA | | Silicone CaCO3 |
| 027 | 27 | Homogeneous | Yellow Sheet Vinyl | Asbestos Not Present | Cellulose | 25 | Vinyl |
| 028 | 28 | Layered | White Plaster | Asbestos Not Present | NA | | Sand Gypsum Paint |
| 028a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 029 | 29 | Layered | White Plaster | Asbestos Not Present | NA | | Sand Gypsum Paint |
| 029a | | Layered | White Sheetrock | Asbestos Not Present | NA | | Gypsum |

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Date Analyzed: 04/05/2018
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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 030 | 30 | Layered | White Plaster | Asbestos Not Present | NA | | Sand Gypsum Paint |
| 030a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 031 | 31 | Layered | White Plaster | Asbestos Not Present | NA | | Sand Gypsum Paint |
| 031a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 032 | 32 | Layered | Gray Plaster | Asbestos Not Present | NA | | Sand CaCO3 |
| 032a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 2 | Gypsum |
| 033 | 33 | Homogeneous | Black Insulation | Asbestos Not Present | Cellulose | 80 | Tar |

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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 034 | 34 | Layered | Tan Texture | Asbestos Present Chrysotile <1 | NA | CaCO3 Paint |
| 034a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |
| 035 | 35 | Layered | Tan Texture | Asbestos Present Chrysotile 2 | NA | CaCO3 Paint |
| 035a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |
| 036 | 36 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 036a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 5 | Gypsum |

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Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 037 | 37 | Layered | White Stucco | Asbestos Present<br>Chrysotile 8 | NA | Sand<br>CaCO3 |
| 037a | | Layered | Gray Stucco | Asbestos Not Present | Cellulose 2 | Sand<br>CaCO3 |
| 038 | 38 | Homogeneous | Brown Stucco | Asbestos Not Present | Wollastonite 20<br>Talc 10 | Sand<br>CaCO3<br>Paint |
| 039 | 39 | Layered | Brown Floor Tile | Asbestos Not Present | NA | Vinyl<br>CaCO3 |
| 039a | | Layered | Tan Floor Tile | Asbestos Not Present | NA | Vinyl<br>CaCO3 |
| 040 | 40 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | Vinyl<br>CaCO3 |
| 041 | 41 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | Vinyl<br>CaCO3 |

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Client: Harenda Management Group
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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 042 | 42 | Homogeneous | Brown Insulation | Asbestos Not Present | Cellulose | 100 | |
| 043 | 43 | Layered | White Skim Coat | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 043a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | Sand CaCO3 |
| 044 | 43A | Layered | White Skim Coat | Asbestos Not Present | NA | | Sand CaCO3 Paint |
| 044a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 2 | Sand CaCO3 |
| 045 | 43B | Homogeneous | Gray Plaster | Asbestos Not Present | Hair | 5 | Sand CaCO3 Paint |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2016-18

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 046 | 44 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | | Vinyl CaCO3 |
| 047 | 45 | Layered | Tan Floor Tile | Asbestos Not Present | NA | | Vinyl CaCO3 |
| 047a | | Layered | Black Mastic | Asbestos Not Present | NA | | Tar |
| 048 | 46 | Homogeneous | Gray Linoleum | Asbestos Not Present | Cellulose | 30 | CaCO3 Tar |
| 049 | 47 | Homogeneous | Tan Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |
| 050 | 48 | Homogeneous | Tan Linoleum | Asbestos Not Present | Cellulose | 30 | Tar CaCO3 |
| 051 | 49 | Homogeneous | Tan Linoleum | Asbestos Not Present | Cellulose | 30 | Tar 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. | 292632 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 04/02/2018 | | |
| Received By: | Amber Bassett | | |
| Date Analyzed: | 04/05/2018 | Project: | DNS |
| Analyzed By: | Cristal Veech | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2016-18 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|

Cristal Veech

Cristal Veech, Analyst

4/5/2018

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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# 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. 292632
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2016-18 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 3/30/18 1700 | FedEx | Amber Bassett 10:10 | 4-2-18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

QUANTEM LABORATORIES
www.QuanTEM.com

# 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. 292632 |
| Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 292632
Accept 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 | ☑ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☐ | | | | |
| 42 | 42 | ☐ | | | | |
| 43 | 43 | ☐ | | | | |
| 44 | 43A | ☐ | | | | |
| 45 | 43B | ☐ | | | | |
| 46 | 44 | ☐ | | | | |
| 47 | 45 | ☐ | | | | |
| 48 | 46 | ☐ | | | | |
| 49 | 47 | ☐ | | | | |
| 50 | 48 | ☑ | | | | |

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www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 292632
Accept 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 |
|---|---|---|---|---|---|---|
| 51 | 49 | ☒ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |
| 1 | | ☐ | | | | |
| 2 | | ☐ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

| | | | |
|---|---|---|---|
| QuanTEM Lab No. | 292771 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 04/06/2018 | | |
| Received By: | Katie Davis | | |
| Date Analyzed: | 04/09/2018 | Project: | DNS, 400 PTCT for 292632 |
| Analyzed By: | Cassie Sanborn | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2016-18 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 34 | Homogeneous | White<br>Texture | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | CaCO3<br>Paint |
| 002 | 35 | Homogeneous | White<br>Texture | Asbestos Present<br>Chrysotile 0.75<br>400 Point Count | NA | CaCO3<br>Paint |

Cassie Sanborn, Analyst

4/9/2018
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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# 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. 292771
Accept Reject

Report Results (☑ one box)
☑ QuanTEM Website
☐ Other email

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2016-18 |
| P.O. Number: | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [illegible] | 4/5/18 1025 | Email | [illegible] | 4/6/18 8:00 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 34 | ☑ | | texture/joint compound | | Quantem Lab #: 292632 |
| 2 | 35 | ☑ | | texture/joint compound | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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

# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 292611
**Date Received:** 04/02/18
**Received By:** Amber Bassett
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 04/05/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2016-18

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0460 | 0.00498 | % | 04/05/18 14:58 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | <0.00497 | 0.00497 | % | 04/05/18 14:58 | P EPA 7000B (1) |

**Authorized Signature:**

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



QUANTEM LABORATORIES
www.QuanTEM.com
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. | 292611 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2016-18 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 3/30/18 1700 | FedEx | Amber Bussell 10:10 | 4-2-18 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | ↓ | ↓ | | | | ↓ | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

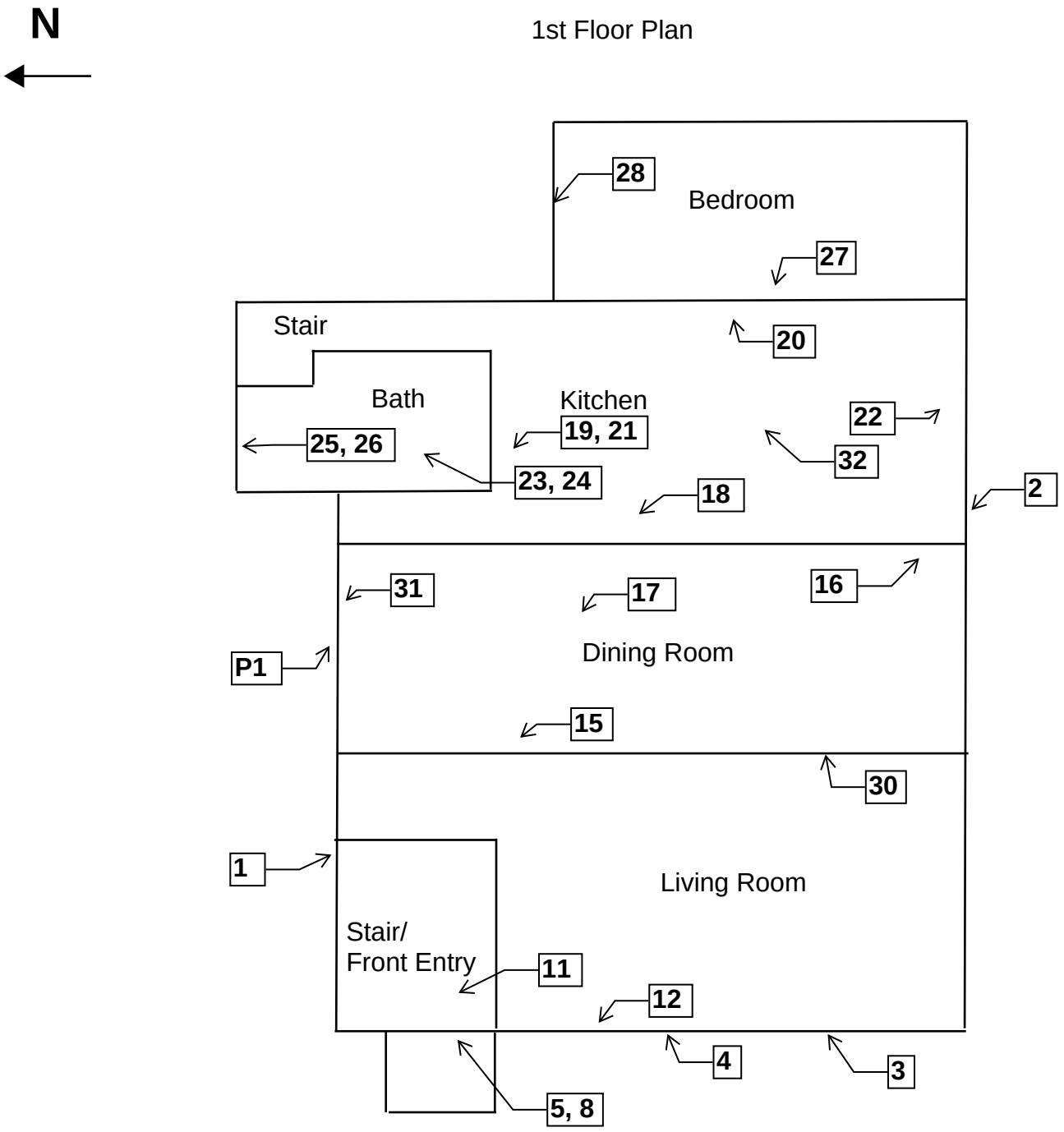
| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✓ | 3 - Day |
| | 5 - Day |

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

# XI. FLOOR PLANS

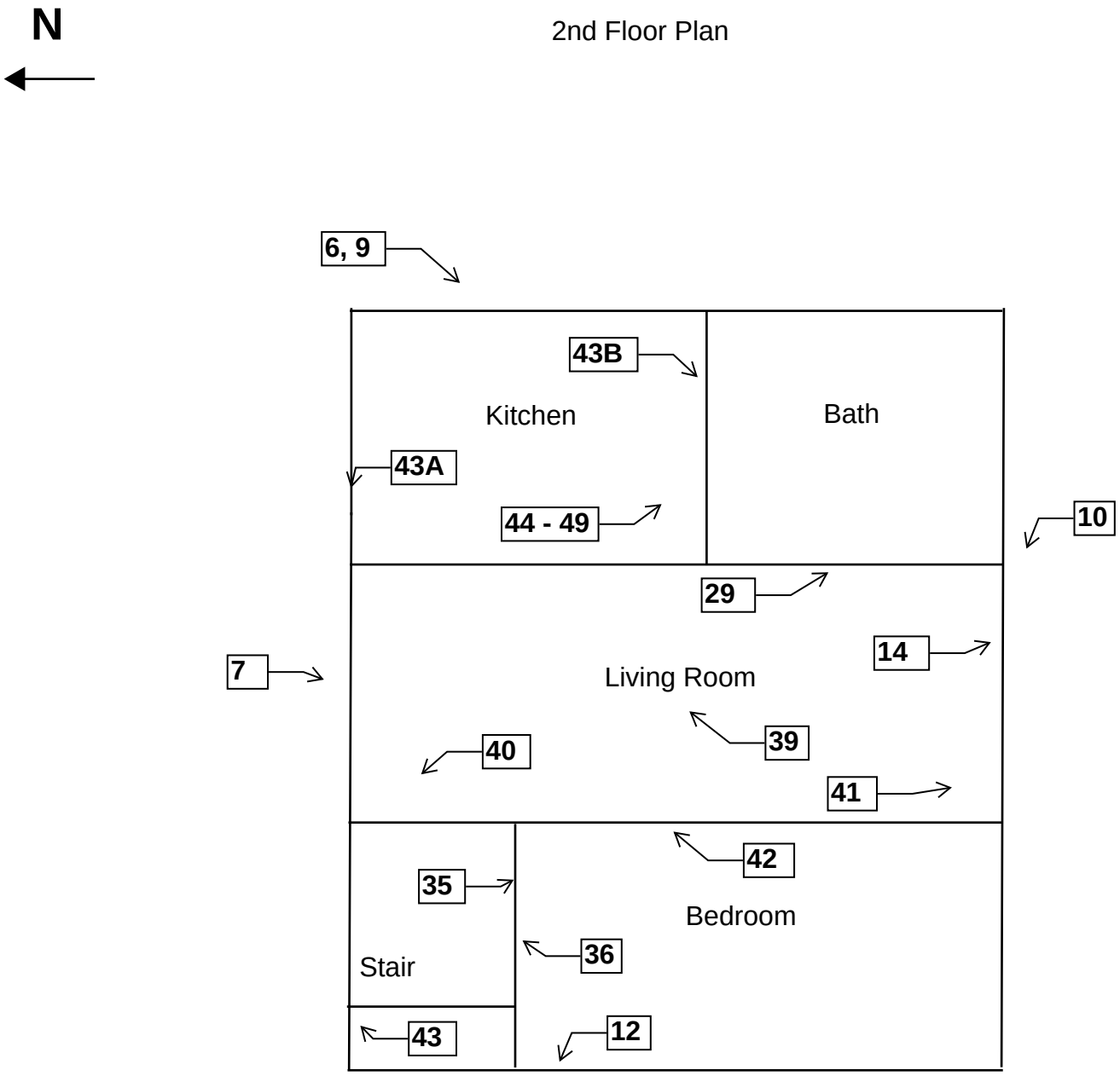
**Two Family Dwelling**
**2016-18 North 23rd Street**
**Milwaukee, Wisconsin**

1st Floor Plan



**Two Family Dwelling**
**2016-18 North 23rd Street**
**Milwaukee, Wisconsin**

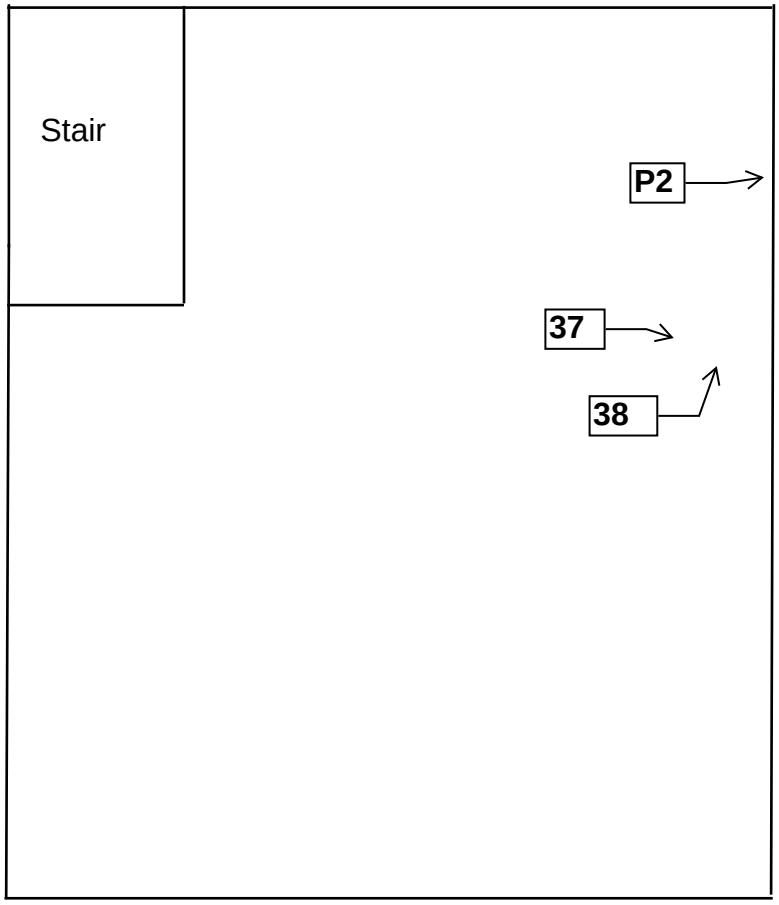
2nd Floor Plan



**Two Family Dwelling**
**2016-18 North 23rd Street**
**Milwaukee, Wisconsin**

**N**

Basement Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

December 15, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

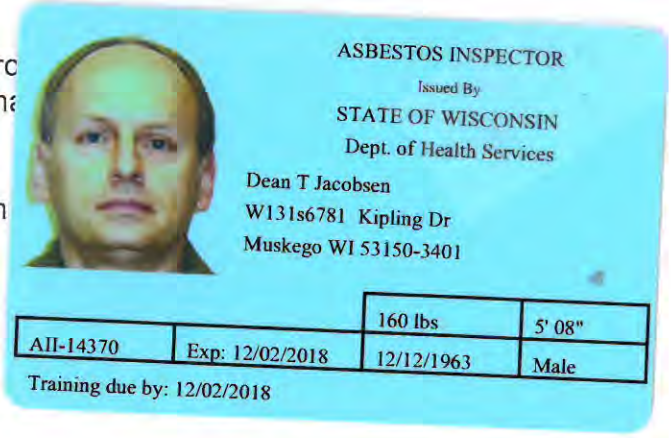
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECONSTRUCTION INSPECTION REPORT**
**Job Site:**

**Two Family Dwelling**
**2438 North 23rd Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.2438**
**Inspector: Jazmin Spears**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**November 2018**

**Signature Page**
Deconstruction Inspection Report
Two Family Dwelling
2438 North 23rd Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

Jazmin Spears
Asbestos Inspector No. AII – 111055
Expiration Date: 8/10/19
Harenda Management Group

November 21, 2018

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

RE: Deconstruction Inspection Report
2438 North 23rd Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2438 North 23rd Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2438 North 23rd Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos, universal wastes, and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in exterior transite siding, 1st floor linoleum and floor tile, and basement duct wrap sampled during the inspection. Asbestos was assumed to be in the roof flashing. Results are in Section IV of this report.

Lead was detected in paint on the basement exterior walls. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the two family dwelling at 2438 North 23rd Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has aluminum, transite, and wood walls with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 September 26, 2018, HMG conducted an asbestos inspection and lead inspection of a two family dwelling, scheduled for deconstruction, located at 2438 North 23rd Street, Milwaukee, Wisconsin. The inspection was conducted by Jazmin Spears, Wisconsin License No. AII – 111055, and the report was written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Transite siding
- Paper insulation
- Glazing compound
- Texture
- Drywall/joint compound
- Linoleum
- Floor tile
- Plaster
- Duct wrap
- Flue packing
- Asphalt roofing
- Roof flashing

- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy (PLM). A point count analysis was performed for sample layers that were near 1% asbestos by the PLM method to better define the asbestos content. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Section IX.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **1** | **Exterior – west wall under aluminum siding – transite siding** | **Positive 20% Chrysotile** | **MTP** |
| **2** | **Exterior – south wall under aluminum siding – transite siding** | **Positive 20% Chrysotile** | **MTP** |
| **3** | **Exterior – east wall under aluminum siding – transite siding** | **Positive 20% Chrysotile** | **MTP** |
| 4 | Exterior – west wall under transite siding – silver paper insulation | Negative | MPIs |
| 5 | Exterior – south wall under transite siding – silver paper insulation | Negative | MPIs |
| 6 | Exterior – east wall under transite siding – silver paper insulation | Negative | MPIs |
| 7 | Exterior – west wall under wood siding – red paper insulation | Negative | MPIr |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 8 | Exterior – south wall under wood siding – red paper insulation | Negative | MPIr |
| 9 | Exterior – east wall under wood siding – red paper insulation | Negative | MPIr |
| 10 | 1st floor – porch – on west window – glazing compound | Negative | MPG |
| 11 | 1st floor – kitchen – on east window – glazing compound | Negative | MPG |
| 12 | 2nd floor – northeast room – on east window – glazing compound | Negative | MPG |
| 13 | 1st floor – living room – east side on ceiling – texture | Negative | STX |
| 14 | 1st floor – living room – center on ceiling – texture | Negative | STX |
| 15 | 1st floor – living room – west side on ceiling – texture | Negative | STX |
| 16a | 1st floor – living room – ceiling – joint compound | Negative | MDW |
| 16b | 1st floor – living room – ceiling – drywall | Negative | MDW |
| 17a | 1st floor – dining room – east wall – joint compound | Negative | MDW |
| 17b | 1st floor – dining room – east wall – drywall | Negative | MDW |
| 18a | 1st floor – dining room – ceiling – joint compound | Negative | MDW |
| 18b | 1st floor – dining room – ceiling – drywall | Negative | MDW |
| 19a | 1st floor – bathroom top layer – white linoleum | Negative | MFLw |
| 19b | 1st floor – bathroom top layer – under white linoleum – yellow mastic | Negative | MFLw |
| **19c** | **1st floor – bathroom 2nd layer – green linoleum** | **Positive 20% Chrysotile** | **MFLg** |
| **19d** | **1st floor – bathroom 3rd layer – 12" brown floor tile** | **Positive 3% Chrysotile** | **MF12n** |
| 19e | 1st floor – bathroom 3rd layer – under 12" brown floor tile – yellow mastic | Negative | MF12n |
| **19f** | **1st floor – bathroom 4th layer – 12" green floor tile** | **Positive 6% Chrysotile** | **MF12g** |
| 19g | 1st floor – bathroom 4th layer – under 12" green floor tile – yellow mastic | Negative | MF12g |
| 19h | 1st floor – bathroom 5th layer – tan linoleum | Negative | MFLt |
| 19i | 1st floor – bathroom 5th layer – under tan linoleum – brown mastic | Negative | MFLt |
| 20a | 1st floor – kitchen – west side top layer – tan and white linoleum | Negative | MFLtw |
| 20b | 1st floor – kitchen – west side 2nd layer – yellow and brown linoleum | Negative | MFLln |
| **20c** | **1st floor – kitchen – west side 3rd layer – gray linoleum** | **Positive 20% Chrysotile** | **MFLy** |
| 21a | 1st floor – kitchen – east side top layer – tan and white linoleum | Negative | MFLtw |
| 21b | 1st floor – kitchen – east side 2nd layer – yellow and brown linoleum | Negative | MFLln |
| **21c** | **1st floor – kitchen – east side 3rd layer – gray linoleum** | **Positive 20% Chrysotile** | **MFLy** |
| 22a | 1st floor – kitchen – south side top layer – tan and white linoleum | Negative | MFLtw |
| 22b | 1st floor – kitchen – south side 2nd layer – yellow and brown linoleum | Negative | MFLln |
| **22c** | **1st floor – kitchen – south side 3rd layer – gray linoleum** | **Positive 20% Chrysotile** | **MFLy** |
| **23a** | **1st floor – pantry top layer – green and brown linoleum** | **Positive 20% Chrysotile** | **MFLgn** |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **23b** | **1st floor – pantry 2nd layer – 12" black and green floor tile** | **Positive 5% Chrysotile** | **MF12kg** |
| 23c | 1st floor – pantry 2nd layer – under 12" black and green floor tile – yellow mastic | Negative | MF12kg |
| 23d | 1st floor – pantry 3rd layer – beige and tan linoleum | Negative | MFLet |
| **24** | **1st floor – pantry on shelf – tan and yellow linoleum** | **Positive 20% Chrysotile** | **MFLtl** |
| 25a | 2nd floor – dining room – on ceiling – texture #2 | Negative | STX2 |
| 25b | 2nd floor – dining room – on ceiling – texture #2 layer 2 | Negative | STX2 |
| 26 | 2nd floor – west room – on ceiling – texture #2 | Negative | STX2 |
| 27a | 2nd floor – north room – on ceiling – texture #2 | Negative | STX2 |
| 27b | 2nd floor – north room – on ceiling – texture #2 layer 2 | Negative | STX2 |
| 28a | 1st floor – dining room – north wall – plaster skim coat | Negative | SPl |
| 28b | 1st floor – dining room – north wall – plaster base coat | Negative | SPl |
| 29a | 1st floor – north room – ceiling – plaster skim coat | Negative | SPl |
| 29b | 1st floor – north room – ceiling – plaster base coat | Negative | SPl |
| 30a | 1st floor – northeast room – east wall – joint compound layer | Negative | SPl |
| 30b | 1st floor – northeast room – east wall – plaster skim coat | Negative | SPl |
| 30c | 1st floor – northeast room – east wall – plaster base coat | Negative | SPl |
| 31a | 2nd floor – stair – west wall – plaster skim coat | Negative | SPl |
| 31b | 2nd floor – stair – west wall – plaster base coat | Negative | SPl |
| 32a | 2nd floor – southeast room – north wall – plaster skim coat | Negative | SPl |
| 32b | 2nd floor – southeast room – north wall – plaster base coat | Negative | SPl |
| 33a | 2nd floor – bathroom – south wall – plaster skim coat | Negative | SPl |
| 33b | 2nd floor – bathroom – south wall – plaster base coat | Negative | SPl |
| 34a | Basement – stair – east wall – plaster skim coat | Negative | SPl |
| 34b | Basement – stair – east wall – plaster base coat | Negative | SPl |
| **35** | **Basement – on north boot – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **36** | **Basement – on north boot – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| **37** | **Basement – on west boot – duct wrap** | **Positive 60% Chrysotile** | **TDW** |
| 38 | Basement – ion chimney – flue packing | Negative | TFP |
| 39a | Roof – northeast top layer – gray asphalt shingle | Negative | MRSy |
| 39b | Roof – northeast 2nd layer – green and red asphalt shingle | Negative | MRSgr |
| 39c | Roof – northeast 3rd layer – green asphalt shingle | Negative | MRSg |
| 39d | Roof – northeast 4th layer – black asphalt shingle | Negative | MRSk |
| 40a | Roof – northwest top layer – gray asphalt shingle | Negative | MRSy |
| 40b | Roof – northwest 2nd layer – green and red asphalt shingle | Negative | MRSgr |
| 40c | Roof – northwest 3rd layer – green asphalt shingle | Negative | MRSg |
| 40d | Roof – northwest 4th layer – black asphalt shingle | Negative | MRSk |
| 41a | Roof – south top layer – gray asphalt shingle | Negative | MRSy |
| 41b | Roof – south 2nd layer – green and red asphalt shingle | Negative | MRSgr |
| 41c | Roof – south 3rd layer – green asphalt shingle | Negative | MRSg |
| 41d | Roof – south 4th layer – black asphalt shingle | Negative | MRSk |

Nine (9) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Transite Siding | MTP | Exterior Walls Under Aluminum Siding | 1,800 SF | Good |
| Green Linoleum | MFLg | 1st Floor Bathroom 2nd Layer | 40 SF | Fair |
| 12" Brown Floor Tile | MF12n | 1st Floor Bathroom 3rd Layer | 40 SF | Fair |
| 12" Green Floor Tile | MF12g | 1st Floor Bathroom 4th Layer | 40 SF | Fair |
| Gray Linoleum | MFLy | 1st Floor Kitchen & Basement Stair 3rd Layer | 200 SF | Fair |
| Green & Brown Linoleum | MFLgn | 1st Floor Pantry Top Layer | 25 SF | Fair |
| 12" Black & Green Floor Tile | MF12kg | 1st Floor Pantry 2nd Layer | 25 SF | Fair |
| Tan & Yellow Linoleum | MFLtl | 1st Floor Pantry on Shelf | 10 SF | Fair |
| Duct Wrap | TDW | Basement on Boots | 15 SF | Poor |

## Assumed Asbestos Containing Materials

| Material | Location | Approximate Quantity | Condition |
|---|---|---|---|
| Roof Flashing | Roof at Chimney | 5 SF | Good |

The flashing was not accessible at the time of the inspection.

**Note #1:** The ACMs listed above are friable, category I non friable, and category II non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that these materials be abated prior to deconstruction.

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

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

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

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| STX | Texture |
| STX2 | Texture 2nd Floor |
| MTP | Transite Siding |
| MPls | Silver Paper Insulation |
| MPlr | Red Paper Insulation |
| MPG | Glazing Compound |
| MDW | Drywall/Joint Compound |
| MFLw | White Linoleum |
| MFLg | Green Linoleum |
| MFLt | Tan Linoleum |
| MFLtw | Tan & White Linoleum |
| MFLln | Yellow & Brown Linoleum |

**Homogeneous Material Codes**

| | |
|---|---|
| MFLy | Gray Linoleum |
| MFLgn | Green & Brown Linoleum |
| MFLet | Beige & Tan Linoleum |
| MFLtl | Tan & Yellow Linoleum |
| MF12n | 12" Brown Floor Tile |
| MF12g | 12" Green Floor Tile |
| MF12kg | 12" Black & Green Floor Tile |
| MRSy | Gray Asphalt Shingle |
| MRSgr | Green & Red Asphalt Shingle |
| MRSg | Green Asphalt Shingle |
| MRSk | Black Asphalt Shingle |
| TFP | Flue Packing |
| TDW | Duct Wrap |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2438 North 23rd Street, Milwaukee, Wisconsin, took place on September 26, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29 CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

## B. Component Testing Results

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section X.

**Interior: 2438 North 23rd Street, Milwaukee, Wisconsin**

- **Painted masonry was not observed on the interior.**

**Exterior: 2438 North 23rd Street, Milwaukee, Wisconsin**

- **Painted block was observed on the exterior basement walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2438 North 23rd Street, Milwaukee, Wisconsin** **Date: 9/26/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | West Wall | Block | White | 0.0798 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the

building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

| | |
|---|---|
| 7 | Fluorescent Lights – 1st Floor Kitchen, 2nd Floor Bedrooms, Basement |
| N/A | High Intensity Discharge<br>-Metal Halide<br>-High Pressure Sodium<br>-Mercury Vapor |
| N/A | Neon |
| N/A | Switches for lighting using mercury relays<br>-Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches. |

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

BOILERS, FURNACES, HEATERS AND TANKS

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

**ELECTRICAL SYSTEMS – 2 Breaker Panels in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | White Transite | Asbestos Present Chrysotile | 20 | NA | | CaCO3 Paint |
| 002 | 2 | Homogeneous | White Transite | Asbestos Present Chrysotile | 20 | NA | | CaCO3 Paint |
| 003 | 3 | Homogeneous | White Transite | Asbestos Present Chrysotile | 20 | NA | | CaCO3 Paint |
| 004 | 4 | Homogeneous | Silver Insulation | Asbestos Not Present | | Cellulose | 60 | Foil |
| 005 | 5 | Homogeneous | Silver Insulation | Asbestos Not Present | | Cellulose | 60 | Foil |
| 006 | 6 | Homogeneous | Silver Insulation | Asbestos Not Present | | Cellulose | 60 | Foil |
| 007 | 7 | Homogeneous | Pink Paper | Asbestos Not Present | | Cellulose | 90 | Binder |

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

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

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Pink Paper | Asbestos Not Present | Cellulose | 90 | Binder |
| 009 | 9 | Homogeneous | Pink Paper | Asbestos Not Present | Cellulose | 90 | Binder |
| 010 | 10 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 011 | 11 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 012 | 12 | Homogeneous | White Window Glazing | Asbestos Not Present | NA | | CaCO3 |
| 013 | 13 | Homogeneous | White Joint Compound | 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 015 | 15 | Homogeneous | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 016 | 16 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 016a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 017 | 17 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |
| 017a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose | 10 | Gypsum |
| 018 | 18 | Layered | White Joint Compound | Asbestos Not Present | NA | | CaCO3 |

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

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 018a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 10 | Gypsum |
| 019 | 19 | Layered | Tan Sheet Vinyl | Asbestos Not Present | Cellulose 10<br>Glass Fiber 5 | CaCO3 Vinyl |
| 019a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 019b | | Layered | Green Sheet Vinyl | Asbestos Present<br>Chrysotile 20 | NA | CaCO3 Vinyl |
| 019c | | Layered | Beige Floor Tile | Asbestos Present<br>Chrysotile 3 | NA | CaCO3 Vinyl |
| 019d | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 019e | | Layered | Green Floor Tile | Asbestos Present Chrysotile 6 | NA | CaCO3 Vinyl |
| 019f | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 019g | | Layered | Tan Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3 Vinyl Tar |
| 019h | | Layered | Brown Mastic | Asbestos Not Present | NA | Glue |
| 020 | 20 | Layered | Tan Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3 Vinyl |
| 020a | | Layered | Brown Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3 Vinyl |
| 020b | | Layered | Gray Sheet Vinyl | Asbestos Present Chrysotile 20 | NA | CaCO3 Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 021 | 21 | Layered | Tan<br>Sheet Vinyl | Asbestos Not Present | Cellulose 10<br>Glass Fiber 5 | CaCO3<br>Vinyl |
| 021a | | Layered | Brown<br>Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3<br>Vinyl |
| 021b | | Layered | Gray<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 20 | NA | CaCO3<br>Vinyl |
| 022 | 22 | Layered | Tan<br>Sheet Vinyl | Asbestos Not Present | Cellulose 10<br>Glass Fiber 5 | CaCO3<br>Vinyl |
| 022a | | Layered | Brown<br>Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3<br>Vinyl |
| 022b | | Layered | Gray<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 20 | NA | CaCO3<br>Vinyl |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 023 | 23 | Layered | Green<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 20 | NA | CaCO3<br>Vinyl |
| 023a | | Layered | Green<br>Floor Tile | Asbestos Present<br>Chrysotile 5 | NA | CaCO3<br>Vinyl |
| 023b | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | Glue |
| 023c | | Layered | Tan<br>Linoleum | Asbestos Not Present | Cellulose 35 | CaCO3<br>Vinyl<br>Tar |
| 024 | 24 | Homogeneous | Yellow<br>Sheet Vinyl | Asbestos Present<br>Chrysotile 20 | NA | CaCO3<br>Vinyl |
| 025 | 25 | Layered | White<br>Texture | Asbestos Not Present | NA | CaCO3<br>Paint |
| 025a | | Layered | White<br>Joint Compound | Asbestos Not Present | NA | CaCO3 |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 026 | 26 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 027 | 27 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 027a | | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 028 | 28 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 028a | | Layered | Gray Plaster | Asbestos Not Present | Hair 3 | CaCO3 Sand |
| 029 | 29 | Layered | White Skim Coat | Asbestos Not Present | NA | CaCO3 Sand Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 029a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | CaCO3 Sand |
| 030 | 30 | Layered | White Texture | Asbestos Not Present | NA | | CaCO3 Paint |
| 030a | | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand |
| 030b | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | CaCO3 Sand |
| 031 | 31 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |
| 031a | | Layered | Gray Plaster | Asbestos Not Present | Hair | 3 | CaCO3 Sand |
| 032 | 32 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Sand Paint |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 032a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair 3 | CaCO3<br>Sand |
| 033 | 33 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |
| 033a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair 3 | CaCO3<br>Sand |
| 034 | 34 | Layered | White<br>Skim Coat | Asbestos Not Present | NA | CaCO3<br>Sand<br>Paint |
| 034a | | Layered | Gray<br>Plaster | Asbestos Not Present | Hair 3 | CaCO3<br>Sand |
| 035 | 35 | Homogeneous | Gray<br>Insulation | Asbestos Present<br>Chrysotile 60 | Cellulose 30 | Binder |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 036 | 36 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 037 | 37 | Homogeneous | Gray Insulation | Asbestos Present Chrysotile 60 | Cellulose 30 | Binder |
| 038 | 38 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 039 | 39 | Layered | Blue Shingle | Asbestos Not Present | Cellulose 30 | Tar Sand |
| 039a | | Layered | Green/Red Shingle | Asbestos Not Present | Cellulose 30 | Tar Sand |
| 039b | | Layered | Green Shingle | Asbestos Not Present | Cellulose 30 | Tar Sand |
| 039c | | Layered | Black Shingle | Asbestos Not Present | Cellulose 30 | Tar Sand |

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# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 300424
Account Number: B929
Date Received: 10/08/2018
Received By: Taylor Hooper
Date Analyzed: 10/24/2018
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaulkee, WI
Project Number: 18-400-024.2438

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 040 | 40 | Layered | Blue Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 040a | | Layered | Green/Red Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 040b | | Layered | Green Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 040c | | Layered | Black Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 041 | 41 | Layered | Blue Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 041a | | Layered | Green/Red Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |

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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. | 300424 | Client: | Harenda Management Group<br>Dean Jacobsen<br>1237 West Bruce St.<br>Milwaukee, WI 53204 |
| Account Number: | B929 | | |
| Date Received: | 10/08/2018 | | |
| Received By: | Taylor Hooper | | |
| Date Analyzed: | 10/24/2018 | Project: | DNS |
| Analyzed By: | Cassie Sanborn | Project Location: | Milwaukee, WI |
| Methodology: | EPA/600/R-93/116 | Project Number: | 18-400-024.2438 |

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 041b | | Layered | Green Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |
| 041c | | Layered | Black Shingle | Asbestos Not Present | Cellulose | 30 | Tar Sand |

Cassie Sanborn, Analyst

10/24/2018
Date of Report

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

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# ASBESTOS CHAIN OF CUSTODY



QUANTEM LABORATORIES
www.QuanTEM.com
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. 300424 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2438 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 10/5/18 1700 | FedEx | [illegible] | 10-5-18 9:00 |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 300424
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☒ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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For Lab Use Only
Lab No. 300424
Accept 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 | ☑ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| 34 | 34 | ☐ | | | | |
| 35 | 35 | ☐ | | | | |
| 36 | 36 | ☐ | | | | |
| 37 | 37 | ☐ | | | | |
| 38 | 38 | ☐ | | | | |
| 39 | 39 | ☐ | | | | |
| 40 | 40 | ☐ | | | | |
| 41 | 41 | ☑ | | | | |
| 42 | | ☐ | | | | |
| 43 | | ☐ | | | | |
| 44 | | ☐ | | | | |
| 45 | | ☐ | | | | |
| 46 | | ☐ | | | | |
| 47 | | ☐ | | | | |
| 48 | | ☐ | | | | |
| 49 | | ☐ | | | | |
| 50 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 300413
**Date Received:** 10/08/18
**Received By:** Taylor Hooper
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 10/15/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2438

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0798 | 0.00489 | % | 10/15/18 12:37 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

QUANTEM LABORATORIES

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# LEAD CHAIN OF CUSTODY

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|---|---|
| Lab No. 300413 | |
| (Accept) | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024. 2438 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 10/5/18 12:00 | Fed Ex | [signature] | 10-8-18 9:00am |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

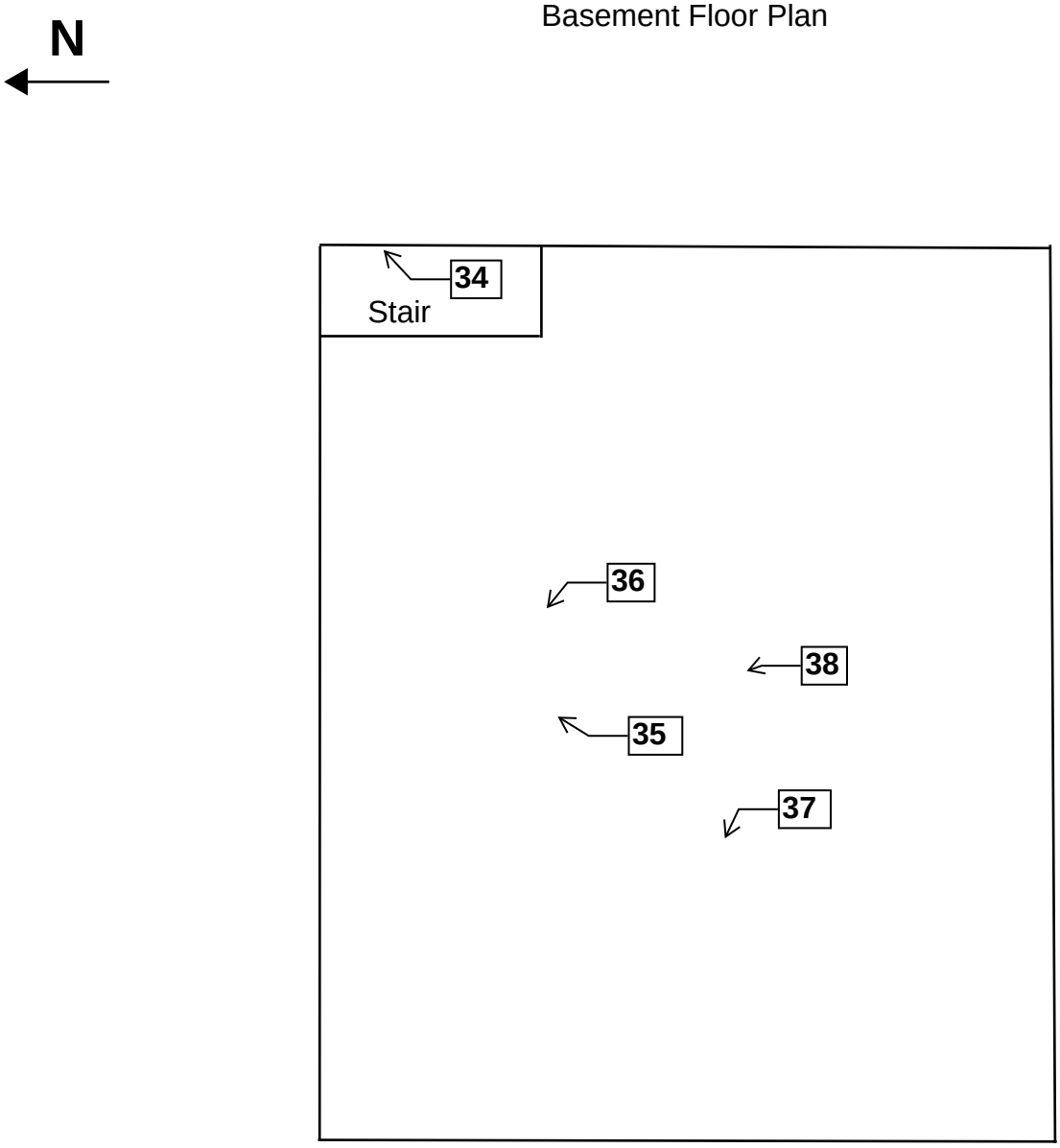
| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| | 3 - Day |
| ✓ | 5 - Day |

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

# XI. FLOOR PLANS

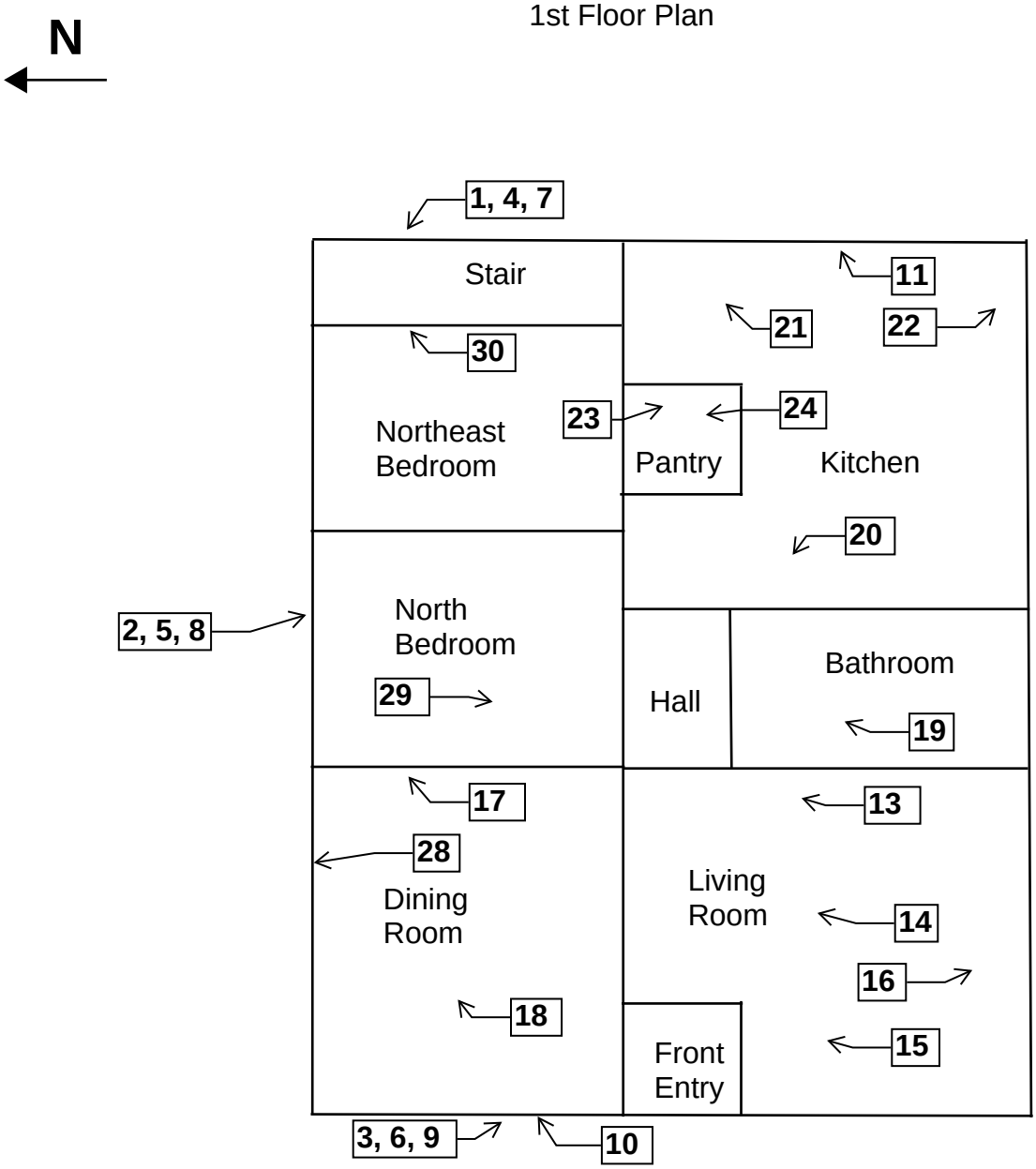
**Two Family Dwelling**
**2438 North 23rd Street**
**Milwaukee, Wisconsin**

Basement Floor Plan



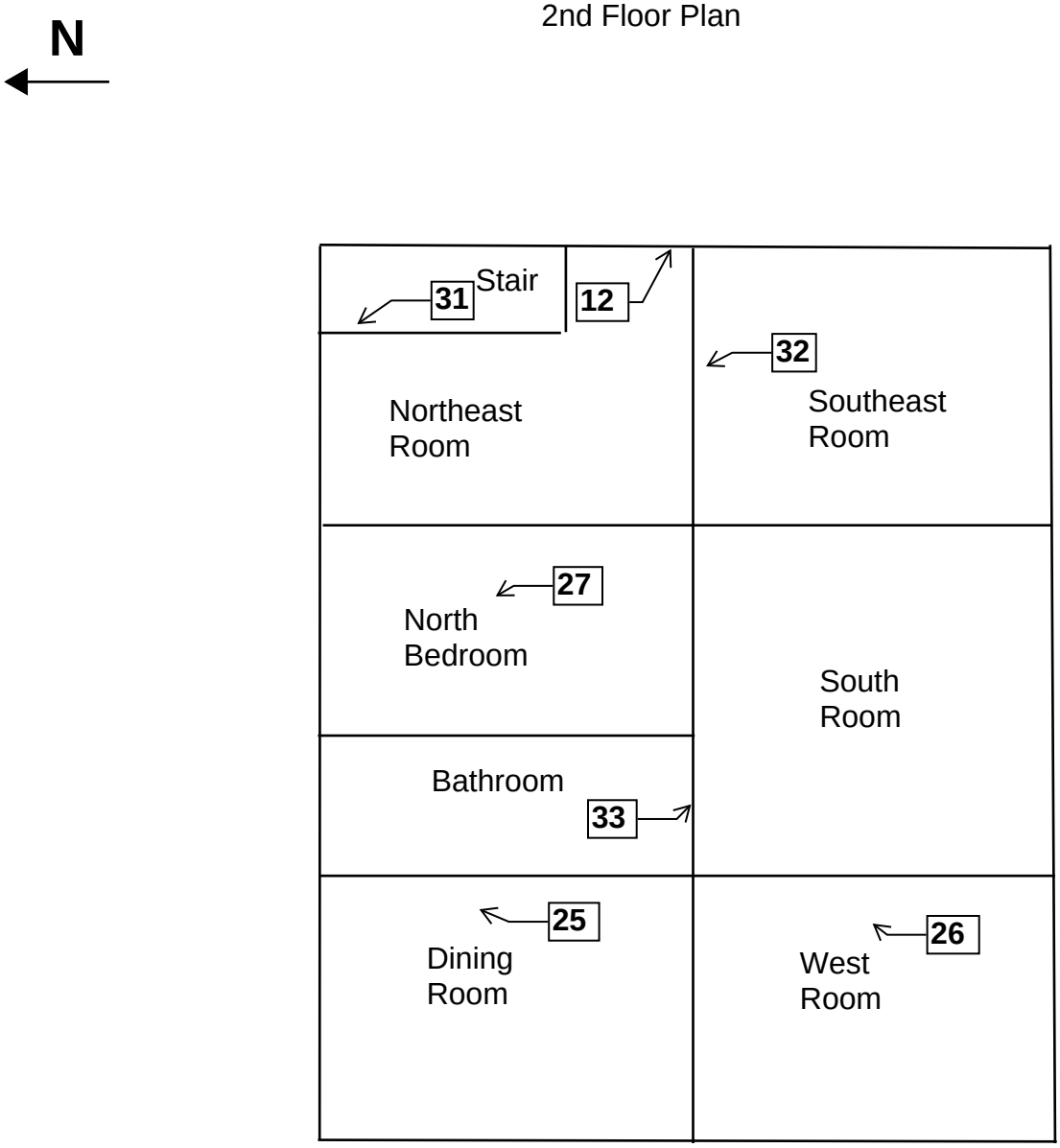
**Two Family Dwelling**
**2438 North 23rd Street**
**Milwaukee, Wisconsin**

1st Floor Plan



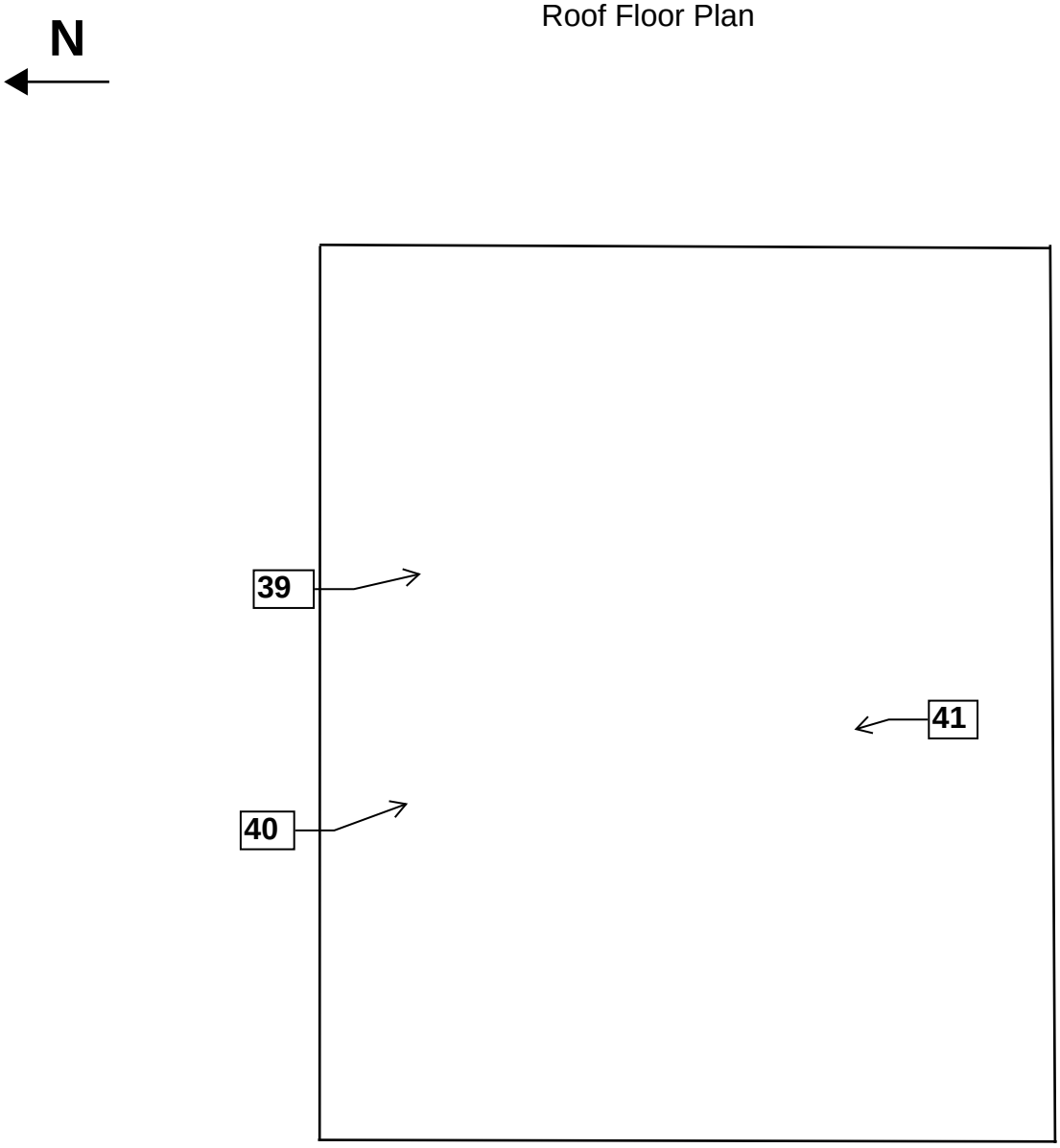
**Two Family Dwelling**
**2438 North 23rd Street**
**Milwaukee, Wisconsin**

2nd Floor Plan



**Two Family Dwelling**
**2438 North 23rd Street**
**Milwaukee, Wisconsin**

Roof Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

August 27, 2018

JAZMIN K C SPEARS
1237 W BRUCE ST
MILWAUKEE WI 53204-1218

ID# AII-111055

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

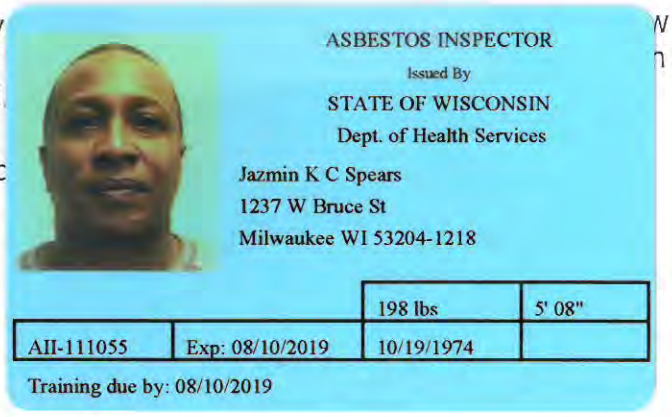
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, y N
professional responsibility. Contact us if n is
below and on the back of your blue card.

The Lead and Asbestos Certification Pro
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**

**DECCONSTRUCTION INSPECTION REPORT**
**Job Site:**

**One Family Dwelling**
**2450 North 23rd Street**
**Milwaukee, Wisconsin**

For:

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

**HMG Report No.: 18-400-024.3047**
**Inspector: Dean Jacobsen**
**Contract No.: 360-18-0975**

Prepared by:

**HARENDA MANAGEMENT GROUP**
1237 West Bruce Street
Milwaukee, Wisconsin 53204
(414) 383-4800

**April 2018**

**Signature Page**
Deconstruction Inspection Report
One Family Dwelling
2450 North 23rd Street
Milwaukee, Wisconsin

Dean Jacobsen
Asbestos Inspector No. AII – 14370
Expiration Date: 12/2/18
Harenda Management Group

April 20, 2018

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

RE: Deconstruction Inspection Report
2450 North 23rd Street
Milwaukee, WI

Harenda Management Group has completed the deconstruction inspection at 2450 North 23rd Street, Milwaukee, WI, as per the referral from the City of Milwaukee Department of Neighborhood Services. The inspection and results are described in the following report. Please contact me at (414) 383-4800 if you have any questions.

Sincerely,

**HARENDA MANAGEMENT GROUP**

Dean Jacobsen
Asbestos Inspector No. AII – 14370

## EXECUTIVE SUMMARY

Harenda Management Group was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection at 2450 North 23rd Street, Milwaukee, Wisconsin, prior to deconstruction. HMG conducted a visual inspection for asbestos and painted masonry. HMG collected asbestos bulk samples and paint samples for laboratory analysis.

Asbestos was detected above 1% in tar on tar patching on asphalt shingle, roof flashing, 12" blue floor tile, and tan and brown linoleum sampled during the inspection. Asbestos was detected below 1% in window glazing compound. Results are in Section IV of this report.

Lead was detected in paint on the exterior and interior brick walls, interior chimney, basement floor. Results are in Section V of this report.

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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 and potential lead painted masonry surfaces in the one family dwelling at 2450 North 23rd Street, Milwaukee, Wisconsin. The dwelling is a two story wood framed structure with basement. The house has wood siding with asphalt roofing.

# II. ASEBSTOS INSPECTION

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 April 6, 2018, HMG conducted an asbestos inspection and lead inspection of a one family dwelling, scheduled for deconstruction, located at 2450 North 23rd Street, Milwaukee, Wisconsin. The inspection was conducted and report written by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of these 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.
3. Quantification of observable asbestos containing materials existing within the spaces.
4. Sampling of suspect lead painted masonry surfaces.

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.

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present in the building as required by US EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Paper insulation
- Blown in insulation
- Caulk
- Glazing compound
- Asphalt roofing
- Roof flashing
- Tar paper
- Floor tile
- Texture
- Plaster
- Drywall/joint compound
- Linoleum
- Stair tread
- Joint compound patch

- Flue packing
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Findings and Observations section following the results table.

## III. ASEBSTOS LABORATORY

A. METHOD OF ANALYSIS

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

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. 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. ASEBSTOS FINDINGS AND OBSERVATIONS

The following are the laboratory results. The laboratory report is in Appendix A.

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 1 | Exterior – west wall under wood siding – tan paper insulation | Negative | MPIt |
| 2 | Exterior – south wall under wood siding – tan paper insulation | Negative | MPIt |
| 3 | Exterior – east wall under wood siding – tan paper insulation | Negative | MPIt |
| 4 | Exterior – in south wall – blown in insulation | Negative | MBI |
| 5 | Exterior – in east wall – blown in insulation | Negative | MBI |
| 6 | Attic – on floor – blown in insulation | Negative | MBI |
| 7 | Exterior – around south window – gray caulk | Negative | MCLKy |
| 8 | Exterior – around east window – gray caulk | Negative | MCLKy |
| 9 | Exterior – around west window – gray caulk | Negative | MCLKy |
| 10 | Exterior – on northeast addition under wood siding – tar paper | Negative | MPT |
| 11 | Roof – southwest top layer – gray and black asphalt shingle | Negative | MRSyk |
| 12 | Roof – southeast top layer – gray and black asphalt shingle | Negative | MRSyk |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| **13** | **Roof – northeast top layer – gray and black asphalt shingle with tar patch** | **Positive 8% Chrysotile** | **MRSyk** |
| 14 | Roof – southwest 2nd layer – green asphalt shingle | Negative | MRSg |
| 15 | Roof – southeast 2nd layer – green asphalt shingle | Negative | MRSg |
| 16 | Roof – northeast 2nd layer – green asphalt shingle | Negative | MRSg |
| 17 | Roof – southwest bottom layer – green and gray asphalt shingle | Negative | MRSgy |
| 18 | Roof – southeast bottom layer – green and gray asphalt shingle | Negative | MRSgy |
| 19 | Roof – northeast bottom layer – green and gray asphalt shingle | Negative | MRSgy |
| 20 | 1st floor – kitchen – east window – glazing compound | Trace <1% Chrysotile | MPG |
| 20 | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPG |
| 21 | 1st floor – south bedroom – south window – glazing compound | Trace <1% Chrysotile | MPG |
| 21 | POINT COUNT RESULT | Trace <0.25% Chrysotile | MPG |
| 22 | Basement – south window – glazing compound | Negative | MPG |
| **23** | **Roof – northeast addition – at west edge of roof – tar flashing** | **Positive 8% Chrysotile** | **MRF** |
| 24 | 1st floor – front entry – 12” tan and gray floor tile | Negative | MF12ty |
| 25a | 1st floor – kitchen west side – top layer – 12” beige and brown floor tile | Negative | MF12en |
| **25b** | **1st floor – kitchen west side – 2nd layer – 12” blue floor tile** | **Positive 5% Chrysotile** | **MF12b** |
| 25c | 1st floor – kitchen west side – 2nd layer – under 12” blue floor tile – yellow mastic | Negative | MF12b |
| 25d | 1st floor – kitchen west side – 3rd layer – brown linoleum | Negative | MFLn |
| 25e | 1st floor – kitchen west side – 3rd layer – under brown linoleum – brown mastic | Negative | MFLn |
| 26 | 1st floor – front entry – south wall – plaster | Negative | SPl |
| 27a | 1st floor – living room – north wall – plaster skim coat | Negative | SPl |
| 27b | 1st floor – living room – north wall – plaster base coat | Negative | SPl |
| 28a | 1st floor – stair – north wall – plaster | Negative | SPl |
| 28b | 1st floor – stair – north wall – on plaster – yellow mastic | Negative | SPl |
| 29 | 2nd floor – south bedroom – south wall – plaster | Negative | SPl |
| 30 | 2nd floor – north bedroom – south wall – plaster | Negative | SPl |
| 31 | 1st floor – bedroom – west side under carpet – 12” brown floor tile | Negative | MF12n |
| 32 | 1st floor – front entry – on ceiling – texture | Negative | STX |
| 33 | 1st floor – living room – on ceiling – texture | Negative | STX |
| 34A | 2nd floor – north bedroom – on ceiling – texture | Negative | STX |
| 34B | 2nd floor – bathroom – on ceiling – texture | Negative | STX |
| 35 | 1st floor – dining room – on floor – brown mastic | Negative | MFMn |
| 36a | 1st floor – bedroom – ceiling – joint compound | Negative | MDW |
| 36b | 1st floor – bedroom – ceiling – drywall | Negative | MDW |
| 37a | 2nd floor – east bedroom – north wall – joint compound | Negative | MDW |
| 37b | 2nd floor – east bedroom – north wall – drywall | Negative | MDW |
| 38a | 2nd floor – south bedroom – west wall – joint compound | Negative | MDW |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 38b | 2nd floor – south bedroom – west wall – joint compound layer 2 | Negative | MDW |
| 38b | 2nd floor – east bedroom – north wall – drywall | Negative | MDW |
| **39** | **1st floor – kitchen – on east counter – tan and brown linoleum** | **Positive 20% Chrysotile** | **MFLtn** |
| 40 | 1st floor – bathroom – on south wall under panel – yellow mastic | Negative | MPMl |
| 41 | 1st floor – stair landing – bottom layer – gray vinyl sheet flooring | Negative | MVFy |
| 42 | 1st floor – bathroom – near toilet top layer – 12" beige floor tile | Negative | MF12e |
| 43 | 1st floor – bathroom – near toilet bottom layer – brown and green linoleum | Negative | MFLng |
| 44 | 1st floor – stair – top layer on lower steps – 12" red and black floor tile | Negative | MF12rk |
| 45 | 1st floor – stair – bottom layer on lower steps – gray and green linoleum | Negative | MFLyg |
| 46 | 1st floor – kitchen – on east wall under panel – tan mastic | Negative | MPMt |
| 47a | 1st floor – stair – on steps – brown stair tread | Negative | MSTn |
| 47b | 1st floor – stair – on steps – under brown stair tread – yellow mastic | Negative | MSTn |
| 48a | 2nd floor – stair – on landing – red linoleum | Negative | MFLr |
| 48b | 2nd floor – stair – on landing – under red linoleum – brown mastic | Negative | MFLr |
| 49 | 2nd floor – hall north center – beige and brown linoleum | Negative | MFLen |
| 50 | 2nd floor – hall – on north wall under panel – brown mastic | Negative | MPMn |
| 51 | 2nd floor – south bedroom – on east wall under panel – brown mastic | Negative | MPMn |
| 52 | 2nd floor – hall – on south wall under panel – brown mastic | Negative | MPMn |
| 53 | 2nd floor – hall – on south wall - joint compound patch | Negative | MJC |
| 54 | 2nd floor – bathroom near center – 12" black floor tile | Negative | MF12k |
| 55 | 2nd floor – bathroom west side – 12" beige and gray floor tile | Negative | MF12ey |
| 56 | 2nd floor – bathroom top layer – 12" brown and gray floor tile | Negative | MF12ny |
| 57 | 2nd floor – bathroom 2nd layer – 12" yellow and gray floor tile | Negative | MF12ly |
| 58a | 2nd floor – bathroom bottom layer – 12" yellow and brown floor tile | Negative | MF12ln |
| 58b | 2nd floor – bathroom bottom layer – under 12" yellow and brown floor tile – yellow mastic | Negative | MF12ln |
| 59 | Basement – stair on steps – black stair tread | Negative | MSTk |
| 60a | Basement – on north side of chimney – gray flue packing top layer | Negative | TFPy |
| 60b | Basement – on north side of chimney – gray flue packing 2nd layer | Negative | TFPy |
| 60c | Basement – on north side of chimney – gray flue packing bottom layer | Negative | TFPy |
| 61 | Basement – on south/west sides of chimney – black flue packing top layer | Negative | TFPk |
| 62 | Basement – on south wall – plaster #2 | Negative | SPl2 |
| 63 | Basement – on east wall – plaster #2 | Negative | SPl2 |
| 64 | Basement – on west wall – plaster #2 | Negative | SPl2 |

| Sample # | Location and Description | Results | Homogeneous Code |
|---|---|---|---|
| 65 | 2nd floor – bathroom – on south wall under panel – beige mastic | Negative | MPMe |

Four (4) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials (ACM):

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Tar Patch on Gray & Black Asphalt Shingle | MRSyk | Roof Northeast | 30 SF | Good |
| Roof Flashing | MRF | Roof at Chimney & on West Edge of Northeast Addition | 6 SF | Good |
| 12" Blue Floor Tile | MF12b | Kitchen West Side Remnant 2nd Layer Stair 1st Floor Landing 2nd Layer | 20 SF | Fair |
| Tan & Brown Linoleum | MFLtn | Kitchen on East Counter | 16 SF | Fair |

One of the materials sampled contains less than 1% asbestos:

| Material | Homogeneous Code | Location | Approximate Quantity | Condition |
|---|---|---|---|---|
| Window Glazing Compound | MPG | Windows on All Floors | 25 Windows | Fair |

**Note #1:** The ACMs listed above are friable and category I non friable asbestos containing materials. NR 447.08 requires the building owner or operator to remove all regulated asbestos containing materials (RACM) from a facility being demolished or renovated before any activity begins that would break up, dislodge or similarly disturb the material. DHS 159 requires that only a certified asbestos company with certified asbestos abatement personnel may remove ACMs from a building. Harenda Management Group recommends that the these materials be abated prior to deconstruction.

**Note#2:** The window glazing compound contains less than 1% asbestos as verified by the point count method, and by definition in NR 447 is not an ACM. The contractor must follow U.S. Occupational Safety and Health Administration requirements in 29 CFR 1926.1101 (Asbestos in Construction) during removal. This regulation requires the employer to protect employees from asbestos exposure if any amount of asbestos is present. These requirements include:

- Exposure assessments
- Use of respirators and protective clothing until exposure assessments results are known,
- Using wet methods and HEPA vacuums for cleanup of the joint compound,
- Putting joint compound waste in leak tight asbestos labeled containers

KPH recommends that the window glazing compound be removed by a Wisconsin certified asbestos company, as necessary, as part of the deconstruction project.

**Note#3:** If additional materials are discovered during deconstruction 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.

**Homogeneous Material Codes**

| | |
|---|---|
| SPl | Plaster |
| SPl2 | Plaster #2 |
| STX | Texture |
| MPIt | Tan Paper Insulation |
| MBI | Blown in Insulation |
| MCLKy | Gray Caulk |
| MPT | Tar Paper |
| MRSyk | Gray & Black Asphalt Shingle |
| MRSg | Green Asphalt Shingle |
| MRSgy | Green & Gray Asphalt Shingle |
| MPG | Glazing Compound |
| MRF | Roof Flashing |
| MF12ty | 12" Tan & Gray Floor Tile |
| MF12en | 12" Beige & Brown Floor Tile |
| MF12n | 12" Brown Floor Tile |
| MF12b | 12" Blue Floor Tile |
| MF12e | 12" Beige Floor Tile |
| MF12rk | 12" Red & Black Floor Tile |
| MF12k | 12" Black Floor Tile |
| MF12ey | 12" Beige & Gray Floor Tile |
| MF12ln | 12" Yellow & Brown Floor Tile |
| MF12ly | 12" Yellow & Gray Floor Tile |
| MF12ny | 12" Brown & Gray Floor Tile |
| MFMn | Brown Floor Mastic |
| MDW | Drywall/Joint Compound |
| MFLtn | Tan & Brown Linoleum |
| MFLn | Brown Linoleum |
| MFLr | Red Linoleum |
| MFLen | Beige & Brown Linoleum |
| MFLng | Brown & Green Linoleum |
| MPMl | Yellow Panel Mastic |
| MPMt | Tan Panel Mastic |
| MPMn | Brown Panel Mastic |
| MPMe | Beige Panel Mastic |
| MSTn | Brown Stair Tread |
| MSTk | Black Stair Tread |
| MJC | Joint Compound Patch |
| TFPy | Gray Flue Packing |
| TFPk | Black Flue Packing |

# V. LEAD PAINT INSPECTION

## A. Methods

A lead paint inspection and sampling are recommended for building materials that may contain surfaces painted before 1978. The inspection determines if lead is in the building paint, the location(s) of lead containing surfaces, and the amount of lead in the paint. If the surfaces will be disturbed or demolished, workers can then prepare proper safety measures to reduce exposure to lead containing dust as required by the Occupational Safety and Health Administration. In addition, the Wisconsin Department of Natural Resources requires determination of lead based paint prior to

disposal or recycling of building materials (Concrete Recycling and Disposal Fact Sheet WA-605 2017).

The inspection and sampling at 2450 North 23rd Street, Milwaukee, Wisconsin, took place on April 6, 2018. A room by room inspection was conducted of masonry surfaces (block, brick, or concrete) scheduled for deconstruction, noting the location, substrate, and color of these painted surfaces. Not all surfaces were sampled - Representative samples of paint were collected from painted surfaces representing different paint colors and substrates. The results apply only to those surfaces that were sampled.

The OSHA Lead in Construction regulation 29CFR 1926.62 applies whenever workers may be exposed to lead during construction work.

**B. Component Testing Results**

In an effort to develop a painting history of the building, specific component types were tested for the presence of lead in paint. Reference Paint Test Results below. The laboratory report is in Section IX.

**Interior: 2450 North 23rd Street, Milwaukee, Wisconsin**

- **Painted brick and concrete were observed in the basement. Lead based paint was detected.**

**Exterior: 2450 North 23rd Street, Milwaukee, Wisconsin**

- **Painted brick was observed on the exterior basement walls. Lead based paint was not detected.**

The following are the laboratory results.

**Site: 2450 North 23rd Street, Milwaukee, Wisconsin Date: 4/6/18**

| Paint Testing Results | | | | | |
|---|---|---|---|---|---|
| **Sample** | **Room** | **Component** | **Substrate** | **Color** | **Result (% Lead)** |
| P1 | Exterior | South Wall | Brick | Blue | 0.0659 |
| P2 | Basement | Chimney West Wall | Brick | Blue | 0.325 |
| P3 | Basement | Chimney North Wall | Brick | White | 0.531 |
| P4 | Basement | North Wall | Brick | Blue | 0.249 |
| P5 | Basement | Floor West Side | Concrete | Gray | 0.0326 |

Where lead in paint is known or suspected, the owner and contractors must follow the OSHA lead in construction regulation 29CFR 1926.62. This applies if any amount of lead is present, not just for lead based paint (>0.5% Lead). Workers must take care to limit the amount of lead dust generated and follow OSHA safety requirements for lead exposure. The regulation requires:

- Personal exposure monitoring,
- Use of respiratory protection and protective clothing,
- Hygiene areas,
- Engineering controls to control lead dust,
- Worker training

See the OSHA Lead in Construction booklet (OSHA 3142-09R 2003) for guidance and https://www.osha.gov/SLTC/lead/index.html for regulatory requirements.

According to the WDNR Concrete Recycling and Disposal Fact Sheet, building materials from remodeling or demolition debris that contain lead based paint are considered a solid waste. They may not be recycled unless an exemption is obtained from the Department (DNR Form 4400-274).

## VI. EXCLUSIONS

**Not all areas within walls and ceilings were accessible, and these areas may contain suspect asbestos containing materials. Only visible or accessible areas were included in 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 deconstruction contractor.

A limited lead inspection was conducted. The results are representative only of the specific painted locations that were sampled on the building. This report represents the condition of the building and the visible/accessible locations sampled at the date and the time of the onsite inspection.

## VII. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our asbestos and paint testing. 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.*

# VIII. 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:

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

**LEAD**

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

**MERCURY**
Products that may contain mercury:

**LIGHTING**

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

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

HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

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

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

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

**ELECTRICAL SYSTEMS – 1 Breaker Box in Basement**

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

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

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

**OTHER ENVIRONMENTAL ISSUES**

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

* 3 Gallons Paint in Living Room
* 1 Water Meter & 1 Lawn Mower in Basement

# IX. ASBESTOS LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 292839
Account Number: B929
Date Received: 04/09/2018
Received By: Travis Miller
Date Analyzed: 04/13/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 001 | 1 | Homogeneous | Gray Paper | Asbestos Not Present | Cellulose | 100 | |
| 002 | 2 | Homogeneous | Pink Paper | Asbestos Not Present | Cellulose | 100 | |
| 003 | 3 | Homogeneous | Tan Paper | Asbestos Not Present | Cellulose<br>Glass Fiber | 40<br>10 | Tar |
| 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 | Gray Caulk | Asbestos Not Present | NA | | CaCO3 Binder |

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Project: DNS
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Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 008 | 8 | Homogeneous | Gray Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 009 | 9 | Homogeneous | Gray Caulk | Asbestos Not Present | NA | CaCO3 Binder |
| 010 | 10 | Homogeneous | Black Tar Paper | Asbestos Not Present | Cellulose 70 | Tar |
| 011 | 11 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 012 | 12 | Homogeneous | Black Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 013 | 13 | Homogeneous | Black Roofing | Asbestos Present Chrysotile 8 | Cellulose 40 | Tar Sand |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 014 | 14 | Homogeneous | Green Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 015 | 15 | Homogeneous | Gray Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 016 | 16 | Homogeneous | Gray Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 017 | 17 | Homogeneous | Gray Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 018 | 18 | Homogeneous | Gray Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 019 | 19 | Homogeneous | Green Shingle | Asbestos Not Present | Cellulose 40 | Tar Sand |
| 020 | 20 | Homogeneous | Gray Window Glazing | Asbestos Present Chrysotile <1 | NA | CaCO3 Binder |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 021 | 21 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <1 | NA | CaCO3<br>Binder |
| 022 | 22 | Homogeneous | Black<br>Window Glazing | Asbestos Not Present | NA | CaCO3<br>Binder |
| 023 | 23 | Homogeneous | Black<br>Roofing | Asbestos Present<br>Chrysotile 8 | Cellulose 60 | Tar |
| 024 | 24 | Homogeneous | Gray<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 025 | 25 | Layered | Tan<br>Floor Tile | Asbestos Not Present | NA | CaCO3<br>Vinyl |
| 025a | | Layered | Green<br>Floor Tile | Asbestos Present<br>Chrysotile 5 | NA | CaCO3<br>Vinyl |

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Milwaukee, WI 53204

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 025b | | Layered | Yellow Mastic | Asbestos Not Present | NA | | Glue |
| 025c | | Layered | Tan Linoleum | Asbestos Not Present | Cellulose | 30 | CaCO3 Vinyl Tar |
| 025d | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 026 | 26 | Homogeneous | Gray Plaster | Asbestos Not Present | Hait | <1 | CaCO3 Sand Paint |
| 027 | 27 | Layered | White Skim Coat | Asbestos Not Present | NA | | CaCO3 Paint |
| 027a | | Layered | Gray Plaster | Asbestos Not Present | Hair | <1 | CaCO3 Sand |

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Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 028 | 28 | Layered | Gray<br>Plaster | Asbestos Not Present | Hair | <1 | CaCO3<br>Sand<br>Paint |
| 028a | | Layered | Yellow<br>Mastic | Asbestos Not Present | NA | | Glue<br>CaCO3 |
| 029 | 29 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | Hair | 4 | CaCO3<br>Sand<br>Paint |
| 030 | 30 | Homogeneous | Gray<br>Plaster | Asbestos Not Present | Hair | 4 | CaCO3<br>Sand<br>Paint |
| 031 | 31 | Homogeneous | Tan<br>Floor Tile | Asbestos Not Present | NA | | CaCO3<br>Vinyl |
| 032 | 32 | Homogeneous | White<br>Texture | Asbestos Not Present | NA | | CaCO3 |

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Project: DNS
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Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 033 | 33 | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 |
| 034 | 34A | Homogeneous | White Texture | Asbestos Not Present | NA | CaCO3 |
| 035 | 34B | Homogeneous | White Paint | Asbestos Not Present | NA | Paint |
| 036 | 35 | Homogeneous | Gray Mastic | Asbestos Not Present | NA | Glue |
| 037 | 36 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Gypsum Paint |
| 037a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 10 | Gypsum |
| 038 | 37 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 038a | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 15 | Gypsum |
| 039 | 38 | Layered | White Texture | Asbestos Not Present | NA | CaCO3 Paint |
| 039a | | Layered | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 039b | | Layered | White Sheetrock | Asbestos Not Present | Cellulose 15 | Gypsum |
| 040 | 39 | Homogeneous | Tan Sheet Vinyl | Asbestos Present Chrysotile 20 | Cellulose 10 | CaCO3 Vinyl |
| 041 | 40 | Homogeneous | Yellow Mastic | Asbestos Not Present | NA | CaCO3 Glue |

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Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 042 | 41 | Homogeneous | Green Sheet Vinyl | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl |
| 043 | 42 | Homogeneous | White Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 044 | 43 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 045 | 44 | Homogeneous | Red Floor Tile | Asbestos Not Present | NA | | CaCO3 Vinyl |
| 046 | 45 | Homogeneous | Green Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 047 | 46 | Homogeneous | Yellow Mastic | Asbestos Not Present | NA | | CaCO3 Glue |
| 048 | 47 | Layered | Brown Stair Tread | Asbestos Not Present | NA | | CaCO3 Glue |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | | Non Fibrous |
|---|---|---|---|---|---|---|---|
| 048a | | Layered | Yellow Mastic | Asbestos Not Present | NA | | CaCO3 Glue |
| 049 | 48 | Layered | Green Linoleum | Asbestos Not Present | Cellulose | 35 | Vinyl Binder |
| 049a | | Layered | Brown Mastic | Asbestos Not Present | NA | | Glue |
| 050 | 49 | Homogeneous | Tan Linoleum | Asbestos Not Present | Cellulose | 35 | CaCO3 Vinyl Tar |
| 051 | 50 | Homogeneous | Green Mastic | Asbestos Not Present | NA | | Glue |
| 052 | 51 | Layered | Yellow Mastic | Asbestos Not Present | NA | | CaCO3 Glue |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 053 | 52 | Homogeneous | Green Mastic | Asbestos Not Present | NA | Glue |
| 054 | 53 | Homogeneous | White Joint Compound | Asbestos Not Present | NA | CaCO3 |
| 055 | 54 | Homogeneous | Gray Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 056 | 55 | Homogeneous | Red Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 057 | 56 | Homogeneous | Tan Sheet Vinyl | Asbestos Not Present | Cellulose 10 | CaCO3 Vinyl |
| 058 | 57 | Homogeneous | Brown Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |
| 059 | 58 | Layered | Tan Floor Tile | Asbestos Not Present | NA | CaCO3 Vinyl |

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| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 059a | | Layered | Yellow Mastic | Asbestos Not Present | NA | Glue |
| 060 | 59 | Homogeneous | Black Cove Base | Asbestos Not Present | NA | CaCO3 Vinyl |
| 061 | 60 | Layered | Light Gray Plaster | Asbestos Not Present | Wollastonite 10 | CaCO3 |
| 061a | | Layered | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 061b | | Layered | Gray Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 062 | 61 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand 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.

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 292839
Account Number: B929
Date Received: 04/09/2018
Received By: Travis Miller
Date Analyzed: 04/13/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 063 | 62 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand Paint |
| 064 | 63 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 065 | 64 | Homogeneous | Tan Plaster | Asbestos Not Present | NA | CaCO3 Sand |
| 066 | 65 | Homogeneous | Yellow Mastic | Asbestos Not Present | NA | Binder |

Dee Am

Dee Ammerman, Analyst

4/13/2018
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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# 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. 292839 | |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2450 |
| P.O. Number: | |

| Report Results (☑ one box) | |
|---|---|
| ☑ | QuanTEM Website |
| ☐ | Other email |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| Dean Jacobsen | 4/6/18 1700 | FedEx | [illegible] 18-4-9 10:00 | |
| | | | | |

**REQUESTED SERVICES (Please ☑ the Appropriate Boxes)**

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 1 | ☒ | | | | |
| 2 | 2 | ☐ | | | | |
| 3 | 3 | ☐ | | | | |
| 4 | 4 | ☐ | | | | |
| 5 | 5 | ☐ | | | | |
| 6 | 6 | ☐ | | | | |
| 7 | 7 | ☐ | | | | |
| 8 | 8 | ☐ | | | | |
| 9 | 9 | ☐ | | | | |
| 10 | 10 | ☑ | | | | |

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

QUANTEM LABORATORIES
www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

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

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**



For Lab Use Only
Lab No. 292839
Accept 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 |
|---|---|---|---|---|---|---|
| 11 | 11 | ☑ | | | | |
| 12 | 12 | ☐ | | | | |
| 13 | 13 | ☐ | | | | |
| 14 | 14 | ☐ | | | | |
| 15 | 15 | ☐ | | | | |
| 16 | 16 | ☐ | | | | |
| 17 | 17 | ☐ | | | | |
| 18 | 18 | ☐ | | | | |
| 19 | 19 | ☐ | | | | |
| 20 | 20 | ☐ | | | | |
| 21 | 21 | ☐ | | | | |
| 22 | 22 | ☐ | | | | |
| 23 | 23 | ☐ | | | | |
| 24 | 24 | ☐ | | | | |
| 25 | 25 | ☐ | | | | |
| 26 | 26 | ☐ | | | | |
| 27 | 27 | ☐ | | | | |
| 28 | 28 | ☐ | | | | |
| 29 | 29 | ☐ | | | | |
| 30 | 30 | ☑ | | | | |

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For Lab Use Only
Lab No. 292839
Accept 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 | ☒ | | | | |
| 32 | 32 | ☐ | | | | |
| 33 | 33 | ☐ | | | | |
| ✱ ~~34~~ | 34 | ☐ | | | | |
| 35 | 34A | ☐ | | | | |
| 36 | 34B | ☐ | | | | |
| 37 | 35 | ☐ | | | | |
| 38 | 36 | ☐ | | | | |
| 39 | 37 | ☐ | | | | |
| 40 | 38 | ☐ | | | | |
| 41 | 39 | ☐ | | | | |
| 42 | 40 | ☐ | | | | |
| 43 | 41 | ☐ | | | | |
| 44 | 42 | ☐ | | | | |
| 45 | 43 | ☐ | | | | |
| 46 | 44 | ☐ | | | | |
| 47 | 45 | ☐ | | | | |
| 48 | 46 | ☐ | | | | |
| 49 | 47 | ☐ | | | | |
| 50 | 48 | ☑ | | | | |

✱ Sample not present. Spoke w/ Dean Jacobson who instructed me to cross out and move on per normal - TM 18-4-9 3:46

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For Lab Use Only
Lab No. 292839
Accept 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 |
|---|---|---|---|---|---|---|
| 51 | 49 | ☒ | | | | |
| 52 | 50 | ☐ | | | | |
| 53 | 51 | ☐ | | | | |
| 54 | 52 | ☐ | | | | |
| 55 | 53 | ☐ | | | | |
| 56 | 54 | ☐ | | | | |
| 57 | 55 | ☐ | | | | |
| 58 | 56 | ☐ | | | | |
| 59 | 57 | ☐ | | | | |
| 60 | 58 | ☐ | | | | |
| 61 | 59 | ☐ | | | | |
| 62 | 60 | ☐ | | | | |
| 63 | 61 | ☐ | | | | |
| 64 | 62 | ☐ | | | | |
| 65 | 63 | ☐ | | | | |
| 66 | 64 | ☐ | | | | |
| 67 | 65 | ☒ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 0 | | ☐ | | | | |

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QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 293172
Account Number: B929
Date Received: 04/16/2018
Received By: Katie Davis
Date Analyzed: 04/17/2018
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

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

Project: DNS, 400 PTCT for 292839
Project Location: Milwaukee, WI
Project Number: 18-400-024.2450

| QuanTEM Sample ID | Client Sample ID | Composition | Color / Description | Asbestos (%) | Non-Asbestos Fiber (%) | Non Fibrous |
|---|---|---|---|---|---|---|
| 001 | 20 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |
| 002 | 21 | Homogeneous | Gray<br>Window Glazing | Asbestos Present<br>Chrysotile <0.25<br>400 Point Count | NA | |

Dee Ammerman, Analyst

4/17/2018
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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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. 293172
Accept Reject

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2450 |
| P.O. Number: | |

Report Results (☑ one box)
- ☑ QuanTEM Website
- ☐ Other email

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [signature] | 4/16/18 1305 | Fed | [signature] | 4/16/18 1:05 |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

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

| No. | Sample ID (10 Characters Max) | ☑ To Be Analyzed | Color | Description | Volume / Area (as applicable) | Comments / Notes |
|---|---|---|---|---|---|---|
| 1 | 20 | ☑ | | | | Quantem Lab No. 292839 |
| 2 | 21 | ☑ | | | | |
| 3 | | ☐ | | | | |
| 4 | | ☐ | | | | |
| 5 | | ☐ | | | | |
| 6 | | ☐ | | | | |
| 7 | | ☐ | | | | |
| 8 | | ☐ | | | | |
| 9 | | ☐ | | | | |
| 10 | | ☐ | | | | |

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# X. LEAD LABORATORY RESULTS

QuanTEM LABORATORIES
2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

# Environmental Chemistry Analysis Report

**QuanTEM Set ID:** 292836
**Date Received:** 04/09/18
**Received By:** Travis Miller
**Date Sampled:**
**Time Sampled:**
**Analyst:** CR
**Date of Report:** 04/12/18

AIHA ID: 101352

**Client:** Harenda Management Group
Dean Jacobsen
1237 West Bruce St.
Milwaukee, WI 53204

**Acct. No.:** B929

**Project:** DNS
**Location:** Milwaukee, WI
**Project No.:** 18-400-024.2450

| QuanTEM ID | Client ID | Matrix | Parameter | Results | Reporting Limits | Units | Date/Time Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| 001 | P1 | Paint | Lead | 0.0659 | 0.00496 | % | 04/12/18 15:07 | P EPA 7000B (1) |
| 002 | P2 | Paint | Lead | 0.325 | 0.00492 | % | 04/12/18 15:07 | P EPA 7000B (1) |
| 003 | P3 | Paint | Lead | 0.531 | 0.00491 | % | 04/12/18 15:07 | P EPA 7000B (1) |
| 004 | P4 | Paint | Lead | 0.249 | 0.00488 | % | 04/12/18 15:07 | P EPA 7000B (1) |
| 005 | P5 | Paint | Lead | 0.0326 | 0.00489 | % | 04/12/18 15:07 | P EPA 7000B (1) |

**Authorized Signature:** Cherry Rossen

Cherry Rossen, Technical Manager

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

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

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

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

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

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

# LEAD CHAIN OF CUSTODY



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|---|---|
| Lab No. | 292838 |
| Accept | Reject |

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

| Project Information | |
|---|---|
| Project Name: | DNS |
| Project Location: | Milwaukee, WI |
| Project ID: | 18-400-024.2450 |

| Report Results (☑ one box) | |
|---|---|
| ✔ | QuanTEM Website |
| | Other email |

| Sampled By: | Name: | Date: |
|---|---|---|
| | | |

| RELINQUISHED BY | DATE & TIME | VIA | RECEIVED BY | DATE & TIME |
|---|---|---|---|---|
| [illegible] | 4/6/18 1700 | FedEx | [illegible] 18-4-9 10:40 | |
| | | | | |

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

| No. | Sample ID (10 Characters Max) | Sample Description | Volume (Liters) | Volume Area (Length x Width) | Sample Matrix (see matrix code box) | Analysis: Pb | | | Units (☑ ONE box only): PPM | Wt % | mg / l | µg /ft² | µg / m³ | mg / cm² |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | P1 | | | | B | X | | | | X | | | | |
| 2 | P2 | | | | | | | | | | | | | |
| 3 | P3 | | | | | | | | | | | | | |
| 4 | P4 | | | | | | | | | | | | | |
| 5 | P5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |

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

| TURNAROUND TIME | |
|---|---|
| | Same Day |
| | 24 - Hour |
| ✔ | 3 - Day |
| | S - Day |

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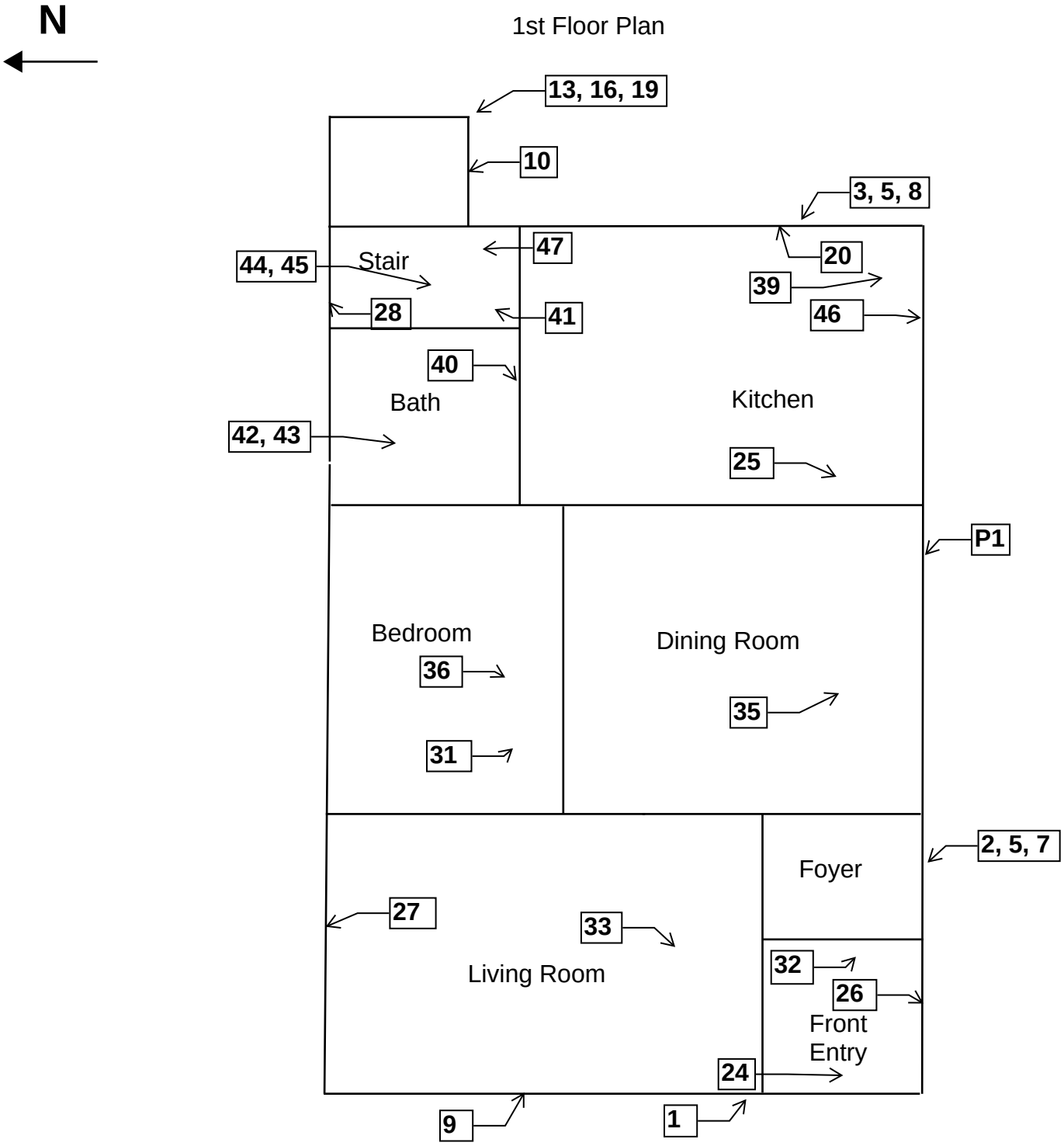
# XI. FLOOR PLANS

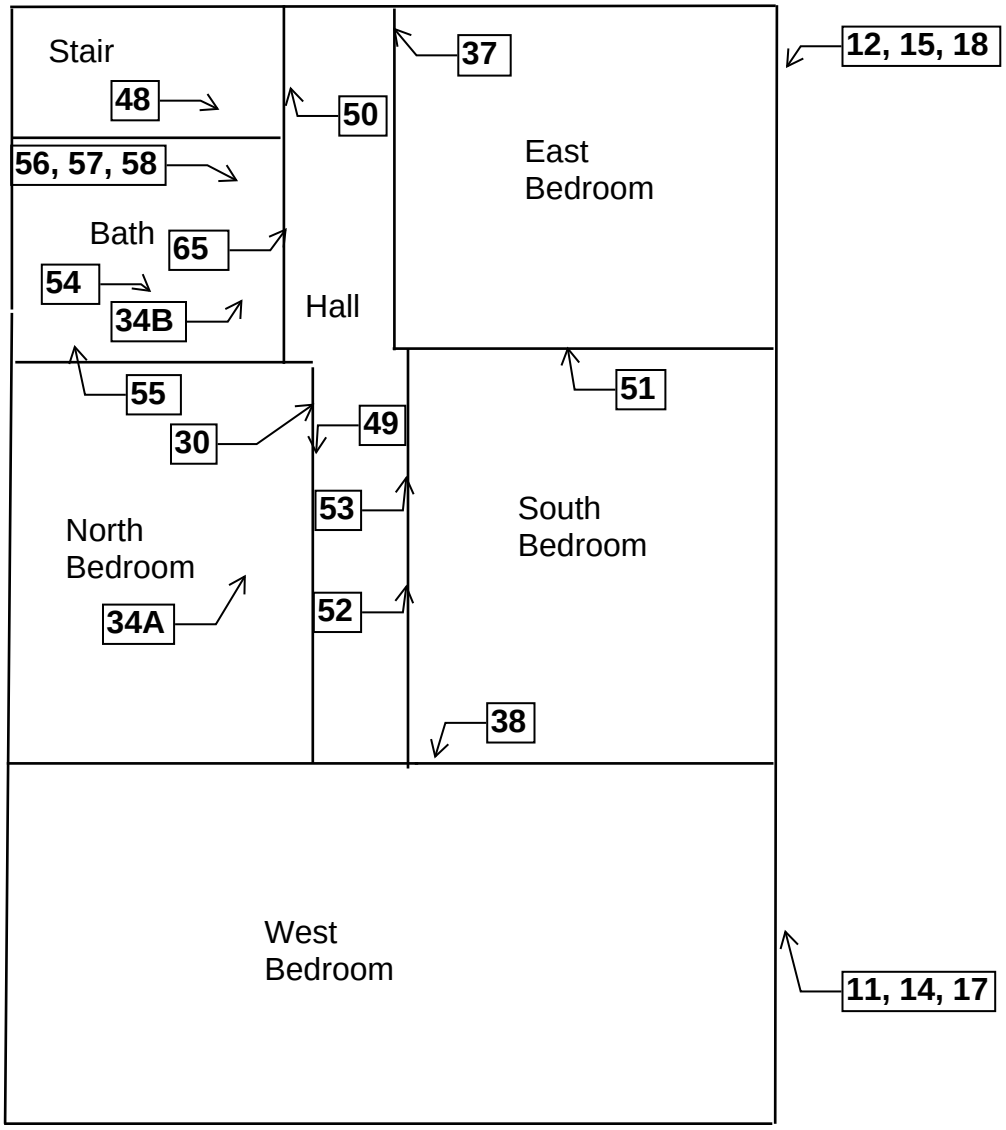
**One Family Dwelling**
**2450 North 23rd Street**
**Milwaukee, Wisconsin**



**One Family Dwelling**
**2450 North 23rd Street**
**Milwaukee, Wisconsin**

**N**

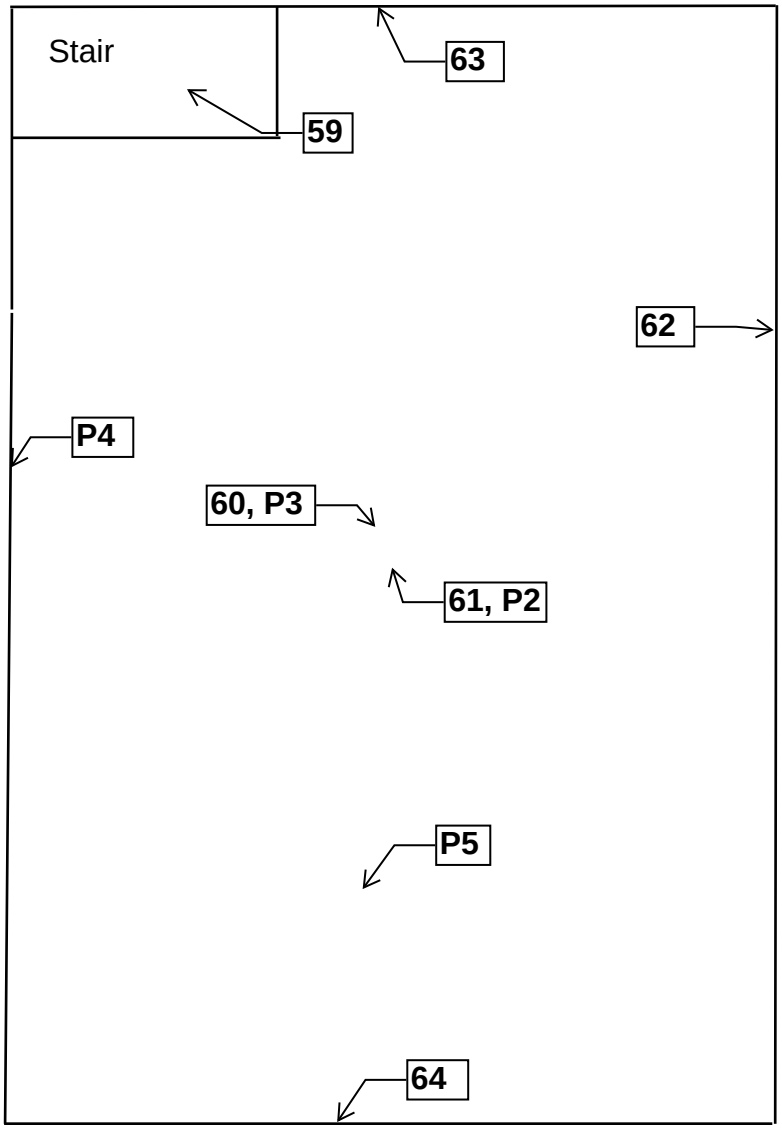
2nd Floor Plan



**One Family Dwelling**
**2450 North 23rd Street**
**Milwaukee, Wisconsin**

**N**

Basement Floor Plan



# XII. 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: 06/23/2017
Expiration Date: 08/31/2019, 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,
Unit Supervisor

Scott Walker
Governor

Linda Seemeyer
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

December 15, 2017

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

**Congratulations**! Your new Wisconsin certification card is enclosed. Call us right away if anything on your blue card is wrong.

**Follow Wisconsin law by making sure that you:**

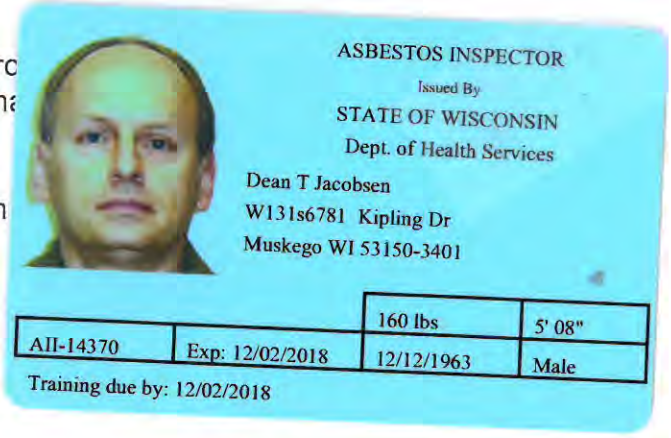
1. Have your blue card with you when doing regulated work.
2. Work safely using the methods you learned in training.
3. Keep your mailing address up to date. We mail a reminder when it's time to renew your blue card. Update your address by emailing DHSAsbestosLead@wi.gov, by using our Lead and Asbestos Online Certification website, www.dhs.wisconsin.gov/waldo, or by mailing a note to:

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

4. Take refresher training well before the "Training due by" date printed on your blue card.
   - Asbestos-certified individuals must refresh in Wisconsin no earlier than **90 days** before the due date to keep the same expiration date.
     Find asbestos training providers at www.dhs.wisconsin.gov/asbestos.
   - Lead-certified individuals can refresh up to **1 year** before the due date.
     Find lead training providers at www.dhs.wisconsin.gov/lead.
5. Apply to renew your card at least **1 month** before the "Exp." date on your blue card.
6. Be associated with a certified company when doing regulated work in Wisconsin. If you work for yourself, you must certify your own company under a name of your choosing. Otherwise, you must be employed by a certified company. Get a company application form at www.dhs.wisconsin.gov/lead or www.dhs.wisconsin.gov/asbestos.
7. **Don't** conduct regulated work after your blue card expires. This could result in an enforcement action.

By getting certified and working safely, you pro
professional responsibility. Contact us if you ha
below and on the back of your blue card.

The Lead and Asbestos Certification Program
(608) 261-6876
DHSAsbestosLead@wi.gov
www.dhs.wisconsin.gov/asbestos
www.dhs.wisconsin.gov/lead




**COPY**