

**ASBESTOS MATERIAL SURVEY
AT
228 Miami Street
DeGraff, Ohio 43318**



**CONDUCTED FOR:
Logan County Land Bank
P.O. Box 219
10820 State Route 347
East Liberty, Ohio 43319**

Date: May 15, 2018
Job Number: HES18-2120

A copy of this report must be maintained on site during asbestos abatement as per revised
OAC 3701-34-04 © (2) Effective November 13, 2014



Date: May 15, 2018

Asbestos Survey To: Logan County Land Bank
PO Box 219
10820 SR 347
East Liberty, Ohio 43319

Contact Person: Dave Gulden
Office: 937-666-3431 E-Mail: davegulden@lucplanning.com

Asbestos Survey of: 228 Miami Street
DeGraff, Ohio 43318

INTRODUCTION

We appreciate your consideration of *Hina Environmental Solutions*, LLC and are looking forward to working with you. We are committed to the highest ethics and integrity. We exist to serve our customers and to earn their trust, confidence and repeat business.

SCOPE OF WORK

As authorized by Dave Gulden, on May 7, 2018, Brian Walker with *Hina Environmental Solutions* performed an asbestos survey of the residence located at 228 Miami Street in DeGraff, Ohio. The purpose of this survey is to sample all suspicious friable and non-friable building materials for asbestos before the **demolition**. This survey is consistent with the requirements of 40 CFR (Code of Federal Regulations) 61, subpart M, "National Emission Standard for Asbestos" (NESHAP regulations) prior to a planned standard practice burn, demolition or renovation project. Building owners and employers must comply with 40 CFR 61 subpart M, EPA rules governing asbestos handling and waste disposal in building demolition and renovation. We will also collect bulk samples for asbestos in accordance with the regulation adopted by U.S EPA pursuant to Title II of the Federal Toxic Substances Control Act found in 40 CFR Part 763.86.

Building Description

The structure is a one and half story single family home built in 1900 (Remodeled in 1975) with 1,029 square feet of living space. The interior consists of approximately 2,500 square feet of drywall and 1,000 square feet of plaster. The exterior consists of vinyl siding (over wood siding) and an asphalt roof.

Bulk Sample Testing

The following items were tested for asbestos:

SAMPLE	*HSN	DESCRIPTION & LOCATION	ASBESTOS %	CATEGORY
1A	1	Drywall – Living Room	NAD	N/A
1B	1	Joint Compound	NAD	N/A
2A	1	Drywall – Living Room	NAD	N/A
2B	1	Joint Compound	NAD	N/A
3A	1	Drywall – Bedroom 1	NAD	N/A

3B	1	Joint Compound	NAD	N/A
4A	1	Drywall – Bedroom 1	NAD	N/A
4B	1	Joint Compound	NAD	N/A
5A	1	Drywall – Bathroom	NAD	N/A
5B	1	Joint Compound	NAD	N/A
6A	2	Plaster – Living Room	NAD	N/A
6B	2	Skim Coat	NAD	N/A
7A	2	Plaster – Living Room	NAD	N/A
7B	2	Skim Coat	NAD	N/A
8A	2	Plaster – Kitchen	NAD	N/A
8B	2	Skim Coat	NAD	N/A
9A	2	Plaster – Kitchen	NAD	N/A
9B	2	Skim Coat	NAD	N/A
10A	2	Plaster – Bedroom 2	NAD	N/A
10B	2	Skim Coat	NAD	N/A
11	3	Ceiling Tile – Living Room	NAD	N/A
12	3	Ceiling Tile – Living Room	NAD	N/A
13A	4	Window Glazing – Exterior	2% Chrysotile	See Note 2
13B	4	Point Count	<0.25% Chrysotile	See Note 2
14A	4	Window Glazing – Exterior	Positive Stop	See Note 2
14B	4	Point Count	<0.25% Chrysotile	See Note 2

***Homogeneous Sample Numbers**

1 Drywall/Compound, 2 Plaster/Skim Coat, 3 Ceiling Tile, 4 Window Glazing.

Notes: (1) Asbestos Containing Materials as defined by EPA/NESHAP regulations
(2) OSHA regulations address materials containing any amount of asbestos

Conclusions and Recommendations

All of the samples taken came back with no asbestos containing material detected. No asbestos abatement is needed before the demolition commences.

NOTE:

The window glazing samples show to contain less than or equal to 1% asbestos, this material is regulated by OSHA; therefore all OSHA guidelines should be followed when handling this material. The basic regulation is that the employer should air monitor the workers for exposure and put materials into a leak-tight container.

Regulations Information

According to OSHA Construction Industry Asbestos Standard contractors performing activities that disturb ACM, regardless of the amount involved are required to follow the Asbestos Standard governing workers exposed to asbestos.

Ohio Environment Protection Agency requires a 10 day notification period if asbestos building materials that are to be disturbed are more than 260 linear feet or 160 square feet. Notification of building demolition, regardless of whether ACM is present, to Ohio EPA is required at least 10 working days prior to a planned demolition.

Category I non-friable ACM such as the resilient flooring and roofing were not sampled. According to EPA regulations, these materials can be assumed category 1 ACM. In their present, non-friable form they are not considered regulated ACM (RACM) by the EPA. They can be left in place during demolition (non-burning), and in a non-friable form these materials would not be subject to NESHAP waste disposal regulations. The demolition contractor must note the quantity of these materials on the EPA notification form. If a facility is to be used as a practice burn then all asbestos including category 1 ACM has to be removed prior to the practice burn.

Methodology

The EPA regulations require that the sample location be randomly selected. Suspect asbestos building materials were identified and samples of each type were taken from homogeneous areas. The number of samples taken of each surfacing building material was procured according to the "3, 5, 7 rule".

Disclaimer

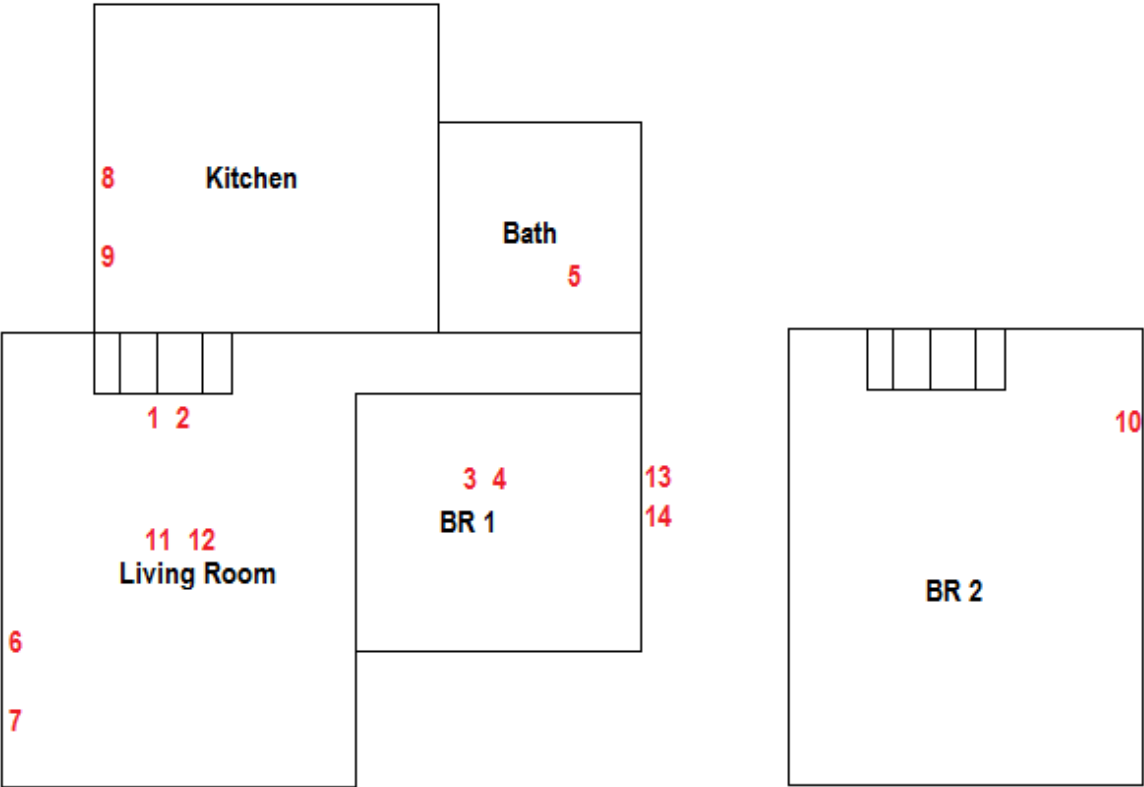
Concealed materials, which may be present beneath solid floors, above solid ceilings and between solid walls, if any, were not accessible for observation or sampling. During renovations if other materials are found please call for additional sampling. Basement was not accessible.

Any questions or clarifications, please contact Brian Walker @ (614) 425-9914.

Hina Environmental Solutions, LLC

**Brian Walker
Ohio Asbestos Hazard
Evaluation Specialist ES35451
Expires 2/17/2019**

Floor Plan and Sample Locations



LAB REPORT

ASBESTOS SCOPE OF WORK & BUDGET PROPOSAL

**228 Miami Street
DeGraff, Ohio 43318**

Description	Location	Quantity	Note	Estimated Cost	
Asbestos to be removed (Demolition)					
Notification Fees			EPA	\$75.00	
No ACM					
Demolition				\$9,000.00	
Cost Summary					
Demolition Services:					
Total:				\$9,075.00	

Suspicious Materials

RACM

Yes, No, N/A

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pipe Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pipe joints
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Valves
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Duct Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boiler Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Breeching Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boiler door insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Exchanger Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boiler Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boiler Interior Components
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gaskets
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tank Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cementious mud Insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sprayed-on Fire Proofing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cloth-Like Tape used on furnace Ductwork (NOT Typical Gray Duct Tape)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Paper layers underneath wood flooring
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Paper layers above 1' x 1' ceiling tiles
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Outside layer on cork pipe insulation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reflective light liners in old ceiling light fixtures
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plaster
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Texture Ceiling
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Acoustical Plaster ceilings
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vermiculite
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ceiling Panels
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Texture Wall
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stucco
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire Brick

Category #1

Yes, No, N/A

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drywall/Compound
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Packing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gaskets
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Window, Door and Siding Caulking
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Window Glazing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Asphalt Roofing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor tile
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Tile Mastic
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ceiling tile
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ceiling Tile Mastic
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chalk Board Mastic
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lab top Mastic
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vibration Dampers
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Galvalume
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mastics
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Black insulation compound in older fluorescent light fixtures
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cement panels (black "ebonized" ACM) in electrical fuse panels
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Felt layer behind corrugated exterior building siding
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coating on bottom of stainless steel sinks

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exterior window glazing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire-stop compound at penetrations
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Basketball Backboards (on rear side)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Caulk used on building exteriors and expansion joints
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cloth fire curtains
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite, and Fire-doors (White core Material)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Leveling Compounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Gunit
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire Doors
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Textured Paint
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Carpet Mastic
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Linoleum
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stair Treads
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mastic behind, drywall, paneling and other components
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Light weight concrete
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Built-up roof
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Roof Flashing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sink Insulation

Category #2

Yes. No. N/A

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Siding
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Roofing
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Walls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Flue
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Soffits
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chalk Boards
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lab Tops
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Duct
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Transite Conducts
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lab hood liner

Miscellaneous Materials

Yes. No. N/A

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Electrical Wiring
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Auditorium Curtains
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire Blankets
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Welding gloves
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Welding Apron
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ironing Board Pad
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Table top pad

Non-Suspect Materials

All metals, Glass, Metal, Rock, Fiberglass, Carpet, wood, plastic, brick, Ceramic tile, terrazzo floors, rubber, foam, and pressed wood.

3-5-7 Rule

TYPE OF SUSPECT MATERIAL	MINIMUM SAMPLING
<u>Surfacing Materials</u> (Acoustical materials, Plaster, fireproofing)	< 1,000sf = 3 samples < 5,000sf = 5 samples >5,000sf = 7 samples
<u>Thermal System Insulation</u> (Pipes, Ducts, Boilers, Tanks)	3 samples
<u>Class 11 Materials</u> (Drywall, Compound, Skim Coats, Textured surfaces)	< 1,000sf = 3 samples < 5,000sf = 5 samples >5,000sf = 7 samples
<u>Miscellaneous Materials</u> (Floor Tile, Mastic, Acoustical Panels, Roofing)	2 Samples