Hina
ENVIRONMENTAL SOLUTIONS, LLC
"Solving Your Asbestos, Lead, & Mold Problems"

995A Safin Road
Columbus, Ohio 43204
Office (614) 272-8780 • Fax (614) 272-8787
www.hinaenvironmental.com
EDGE • Female Business Enterprise • HUBZone

ASBESTOS MATERIAL SURVEY
AT
525 S. Madriver Street
Bellefontaine, Ohio 43311

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

Date: May 15, 2018
Job Number: HES18-2118

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

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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: **525 S. Madriver Street**
Bellefontaine, Ohio 43311

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 525 S. Madriver Street in Bellefontaine, 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 two story single family home built in 1900 (Remodeled in 1970) with 1,672 square feet of living space. The interior consists of approximately 2,000 square feet of plaster, 2,000 square feet of drywall and 1,000 square feet of ceiling texture. 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	Plaster – Living Room	NAD	N/A
1B	1	Skim Coat	NAD	N/A
2A	1	Plaster – Living Room	NAD	N/A
2B	1	Skim Coat	NAD	N/A
3A	1	Plaster – Dining Room	NAD	N/A

3B	1	Skim Coat	NAD	N/A
4A	1	Plaster – Kitchen	NAD	N/A
4B	1	Skim Coat	NAD	N/A
5A	1	Plaster – Kitchen	NAD	N/A
5B	1	Skim Coat	NAD	N/A
6A	2	Drywall – Living Room	NAD	N/A
6B	2	Joint Compound	NAD	N/A
7A	2	Drywall – Living Room	NAD	N/A
7B	2	Joint Compound	NAD	N/A
8A	2	Drywall – Bedroom 1	NAD	N/A
8B	2	Joint Compound	NAD	N/A
9A	2	Drywall – Bedroom 2	NAD	N/A
9B	2	Joint Compound	NAD	N/A
10A	2	Drywall – Bedroom 3	NAD	N/A
10B	2	Joint Compound	NAD	N/A
11	3	Ceiling Texture – Living Room	NAD	N/A
12	3	Ceiling Texture – Living Room	NAD	N/A
13	3	Ceiling Texture – Living Room	NAD	N/A
14	3	Ceiling Texture – Bedroom 1	NAD	N/A
15	3	Ceiling Texture – Bedroom 1	NAD	N/A

***Homogeneous Sample Numbers**

1 Plaster/Skim Coat, 2 Drywall/Compound, 3 Ceiling Texture.

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 detected. No asbestos abatement is needed before the demolition commences.

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 sampled taken of each surfacing building material was procured according to the “3, 5, 7 rule”.

Disclaimer

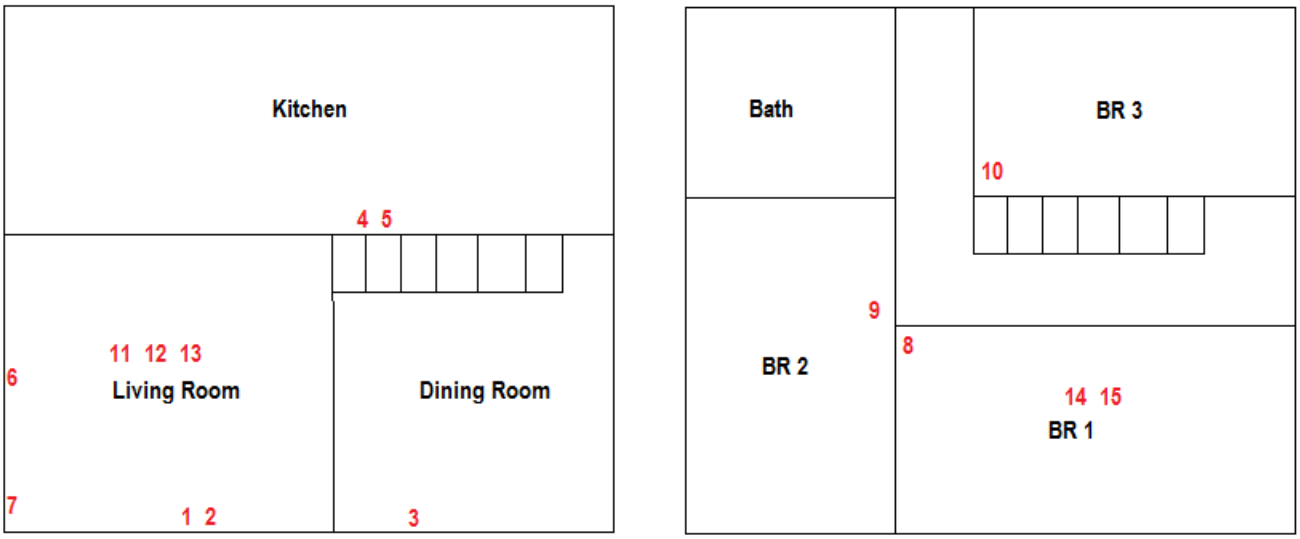
Concealed materials, which may be present beneath solid floors, above solid ceilings and between solid walls, if any, were not accessible for observation or sampling. During renovations if other materials are found please call for additional sampling. Basement was not accessible.

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

525 S. Madriver Street
Bellefontaine, Ohio 43311

Description	Location	Quantity	Note	Estimated Cost	
Asbestos to be removed (Demolition)					
Notification Fees			*EPA*	*$75.00*	
No ACM					
Demolition				*$10,000.00*	
Cost Summary					
Demolition Services:					
Total:					**$10,075.00**

Suspicious Materials

RACM

Yes	No	N/A	
☐	☒	☐	Pipe Insulation
☐	☒	☐	Pipe joints
☐	☒	☐	Valves
☐	☒	☐	Duct Insulation
☐	☒	☐	Boiler Insulation
☐	☒	☐	Breeching Insulation
☐	☒	☐	Boiler door insulation
☐	☒	☐	Heat Exchanger Insulation
☐	☒	☐	Boiler Insulation
☐	☒	☐	Boiler Interior Components
☐	☒	☐	Gaskets
☐	☒	☐	Tank Insulation
☐	☒	☐	Cementious mud Insulation
☐	☒	☐	Sprayed-on Fire Proofing
☐	☒	☐	Cloth-Like Tape used on furnace Ductwork (NOT Typical Gray Duct Tape)
☐	☒	☐	Paper layers underneath wood flooring
☐	☒	☐	Paper layers above 1’ x 1’ ceiling tiles
☐	☒	☐	Outside layer on cork pipe insulation
☐	☒	☐	Reflective light liners in old ceiling light fixtures
☒	☐	☐	Plaster
☒	☐	☐	Texture Ceiling
☐	☒	☐	Acoustical Plaster ceilings
☐	☒	☐	Vermiculite
☐	☒	☐	Ceiling Panels
☐	☒	☐	Texture Wall
☐	☒	☐	Stucco
☐	☒	☐	Fire Brick

Category #1

Yes	No	N/A	
☒	☐	☐	Drywall/Compound
☐	☒	☐	Packing
☐	☒	☐	Gaskets
☐	☒	☐	Window, Door and Siding Caulking
☐	☒	☐	Window Glazing
☐	☒	☐	Asphalt Roofing
☐	☒	☐	Floor tile
☐	☒	☐	Floor Tile Mastic
☐	☒	☐	Ceiling tile
☐	☒	☐	Ceiling Tile Mastic
☐	☒	☐	Chalk Board Mastic
☐	☒	☐	Lab top Mastic
☐	☒	☐	Vibration Dampers
☐	☒	☐	Galvalume
☐	☒	☐	Mastics
☐	☒	☐	Black insulation compound in older fluorescent light fixtures
☐	☒	☐	Cement panels (black “ebonized” ACM) in electrical fuse panels
☐	☒	☐	Felt layer behind corrugated exterior building siding
☐	☒	☐	Coating on bottom of stainless steel sinks

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

Category #2

Yes, No, N/A

☐ ☒ ☐ **Transite Siding**
☐ ☒ ☐ **Transite Roofing**
☐ ☒ ☐ **Transite Walls**
☐ ☒ ☐ **Transite Flue**
☐ ☒ ☐ **Transite Soffits**
☐ ☒ ☐ **Chalk Boards**
☐ ☒ ☐ **Lab Tops**
☐ ☒ ☐ **Transite Duct**
☐ ☒ ☐ **Transite Conducts**
☐ ☒ ☐ **Lab hood liner**

Miscellaneous Materials

Yes, No, N/A

☐ ☒ ☐ **Electrical Wiring**
☐ ☒ ☐ **Auditorium Curtains**
☐ ☒ ☐ **Fire Blankets**
☐ ☒ ☐ **Welding gloves**
☐ ☒ ☐ **Welding Apron**
☐ ☒ ☐ **Ironing Board Pad**
☐ ☒ ☐ **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
Surfacing Materials (Acoustical materials, Plaster, fireproofing)	< 1,000sf = 3 samples < 5,000sf = 5 samples >5,000sf = 7 samples
Thermal System Insulation (Pipes, Ducts, Boilers, Tanks)	3 samples
Class 11 Materials (Drywall, Compound, Skim Coats, Textured surfaces)	< 1,000sf = 3 samples < 5,000sf = 5 samples >5,000sf = 7 samples
Miscellaneous Materials (Floor Tile, Mastic, Acoustical Panels, Roofing)	2 Samples