

**H & H**  
**ENVIRONMENTAL**

2699 East CR 50 Tiffin. OH 44883

Tiffin Office: 419-618-3072 Fax: 419-443-0539

Huntsville Office: 937-539-0094 Fax 937-843-3079

hhenvironmental@yahoo.com



**Asbestos Survey**

**4444 Co. Rd. 152; East Liberty, OH 43319**

**LUC Regional Planning Commision**



2699 East CR 50 Tiffin. OH 44883  
Tiffin Office: 419-618-3072 Fax: 419-443-0539  
Huntsville Office: 937-539-0094 Fax 937-843-3079  
hhenvironmental@yahoo.com

LUC Regional Planning Commision

10/24/23

10820 SR 347

East Liberty, OH 43319

Phone:937-666-3431

Email: heathermartin@lucplanning.com

Heather Martin

Asbestos survey: 4444 Co. Rd. 152; East Liberty. OH 43319

Heather,

H&H Environmental, LLC. has completed an inspection for asbestos-containing materials (ACM) at 4444 Co. Rd. 152; East Liberty. OH 43319. This inspection was performed by Tyler Rister (Certification # 35958) and Jace Hurt (Certification # 36450) on October 23<sup>rd</sup>, 2023 in East Liberty, OH. Tyler Rister and Jace Hurt maintain a current Ohio EPA Asbestos Inspector Certifications. Proof of these certifications are attached.

Enclosed:

1. Asbestos Survey Cover
2. Asbestos Survey Letter
3. Purpose and Procedure
4. ACM Summary and Notice
5. Sample Chain-of-custody
6. Sample Site Pictures
7. Laboratory Analysis Report (and point-count analysis if applicable)
8. Asbestos Inspector Certifications

**Purpose of Inspection:**

The ACM inspection was conducted in accordance and observation of EPA NESHAP and OSHA regulations pertaining to the demolition/renovation of regulated structures. This inspection included all applicable and accessible areas of the structure.

**Procedure:**

The inspection, conducted on 10-23-2023, was completed utilizing applicable Federal and Ohio State regulations pertaining to asbestos: Federal OSHA (29 CFR 1910.1001 and 29 CFR 1926.1101), EPA (40 CFR Part 61), and TSCA Title II AHERA/ASHARA (40 CFR Part 763) Asbestos Regulations. The findings in this report are consistent with accepted principles and practice established and prescribed by the EPA and AHERA.

All accessible areas of the building in East Liberty, OH were inspected physically, functional space by functional space, and homogeneous area by homogeneous area to determine the presence of asbestos-containing materials. Suspected asbestos-containing materials were grouped per homogeneous area. Suspect materials that may be present inside wall cavities, electrical wiring or which were otherwise inaccessible were not included in the scope of this inspection. Core samples of friable and non-friable suspect asbestos-containing materials were collected to be analyzed for asbestos content. Those materials considered to be non-suspect (concrete, wood, fiberglass, carpeting, metal, etc.) were not sampled for analysis. Each location for sample collection, chosen at random, were representative of the suspect materials. The bulk samples were placed in zip-lock bags, sealed, and labeled with an identifying code. The samples, along with the chain-of-custody, were then submitted to the laboratory, McCall and Spero Environmental, Inc., to be analyzed for asbestos content. A copy of the chain-of-custody is attached.

14 bulk samples of suspected ACM, were submitted to a laboratory for analysis using Polarized Light Microscopy. Laboratory results are attached.

**Analytical Results:**

<b>H&amp;H Sample # Lab Sample #</b>	<b>Homogenous Area</b>	<b>Layers</b>	<b>Description/ Sample Location</b>	<b>PLM Result</b>
4444-01 PO243HHE.-01	1	2	Plaster Rm.7 Wall B	ND
4444-02 PO243HHE.-02	1	2	Plaster Rm.8 Wall B	ND
4444-03 PO243HHE.-03	1	2	Plaster Rm.4 Wall B	ND
4444-04 PO243HHE.-04	1	2	Plaster Rm.1 Wall A	ND
4444-05 PO243HHE.-05	1	2	Plaster Stairs Wall A	ND
4444-06 PO243HHE.-06	2	1	Window Glaze Rm.6 Wall D	ND
4444-07 PO243HHE.-07	2	1	Window Glaze Rm.2 Wall A	ND
4444-08 PO243HHE.-08	3	1	Linoleum (Red) Rm.4 near Wall C	5% Chrysotile
4444-09 PO243HHE.-09	3	1	Linoleum (Red) Rm.4 near Wall A	5% Chrysotile
4444-10 PO243HHE.-10	4	1	Linoleum (Blue) Rm.2 near Wall B	5% Chrysotile
4444-11	4	1	Linoleum (Blue) Rm.2	5% Chrysotile

PO243HHE.-11			near Wall D	
4444-12 PO243HHE.-12	5	2	9" tile/mastic (White) Rm.3 near Wall A	Tile: 3% Chrysotile  Mastic: 2% Chrysotile
4444-13 PO243HHE.-13	5	2	9" tile/mastic (White) Rm.3 center of Rm.	Tile: 3% Chrysotile  Mastic: 2% Chrysotile
4444-14 PO243HHE.-14	6	1	Transite Siding outside Rm.4	10% Chrysotile

**Summary:**

Based the analysis of suspected ACM samples, None of the samples of homogenous areas were determined to be asbestos-containing.

The approximate total of asbestos-containing materials are as follows:

<b>Transite Siding</b>	<b>2,200 Sq.ft.</b>
<b>Linoleum Flooring(Rm. 2&amp;4)-Can remain</b>	<b>415 Sq.ft.</b>
<b>9" tile/mastic(Rm.3)-Can remain</b>	<b>130 Sq.ft.</b>

Among the material noted above, the **Transite siding** material must be removed by a licensed asbestos abatement contractor prior to renovation or demolition if it would impact this material.

The **9" tile/mastic and Linoleum flooring** is positive for asbestos and is considered Category 1 non-friable material. This material may remain for demolition given that this material is not in poor condition and will not be pulverized, crumbled, or reduced to powder during demolition activities and is taken to a standard C&D facility that accepts non-friable asbestos containing material. If renovation activities would impact this material it will need to be abated by a licensed asbestos contractor.

Under current Ohio standards materials containing less than 1% are not "asbestos containing material". However, this material is still regulated under OSHA and must adhere to wet handling, prompt cleanup, disposal requirements set forth by 29 CFR 1926 as applies to demolition operations involving materials containing less than 1% asbestos.

**Notice:**

An Ohio EPA Notification of Demolition and Renovation form must be completed and submitted to the Ohio EPA at least ten working days prior to the commencement of any abatement or demolition activity. The amount, type and condition of the asbestos-containing materials found in this inspection, as well as the materials assumed to be asbestos-containing materials, must be noted on the form. The name and certification number of the asbestos inspector must be included.

If any additional materials are encountered in these locations, these materials should be left intact and undisturbed until they can be inspected and and sampled by a licensed Asbestos Abatement Evaluation Specialist. H&H Environmental would be happy to return to the site if additional suspect materials are encountered during demolition activity. The other option is to assume that the material is asbestos-containing and have it abated as such.

This report, and the supporting findings, data, conclusions, and recommendations represents H&H Environmental's efforts on behalf of the client. This report is not an asbestos abatement specification and shouldn't be used for specifying removal techniques or methods. The assessments, conclusions, results, and recommendations stated in this report are representative of the circumstances and conditions observed by the inspector at the date of the inspection. We cannot assume responsibility for any change in conditions or circumstances that occurred after inspection. The findings in this report, if implemented by the client, should not be construed as as an assurance or implied warranty for the continuing safety, performance, or cost-effectiveness of any equipment, system, product, procedure, facility, or policy recommended or discussed herein.

The recommendations in this report are based on the professional judgment of the inspector and the results of the samples collected an analyzed. H&H Environmental makes no warranty, expressed or implied, and accepts no liability for the presence or absence of asbestos or other hazardous materials in or on home products, materials, and areas. H&H Environmental assumes no responsibility for the cost of repairing, removing, or replacing any undiscovered or unreported condition or defect, or any future condition or defect.

If you have any questions or concerns please feel free to contact H&H Environmental's Charles E. Hurt at 419-618-3072.

Thank you,

Tyler Rister



AHES # ES 35958

H&H Environmental

Jace Hurt



AHES # ES 36450

H&H Environmental

Site 4444 G. Rd 152 City East Liberty State OH Zip 43319

Renovation  Demolition

Levels: 1  2  3  Attic  Foundation: Slab  Crawl  Basement

Exterior: Wood  Vinyl  Aluminum  Asphalt  Transite  Brick  Block

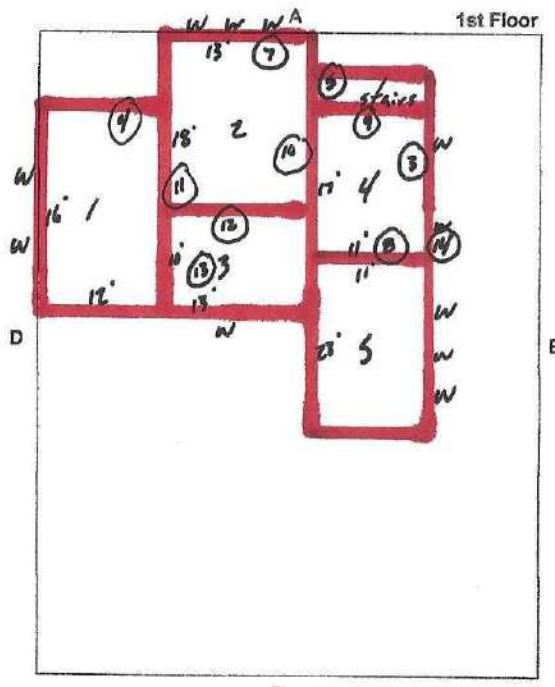
Interior Walls: Drywall  Plaster  Paneling  Transite  Other

Windows: Wood  Vinyl  Metal  Other  Number 19

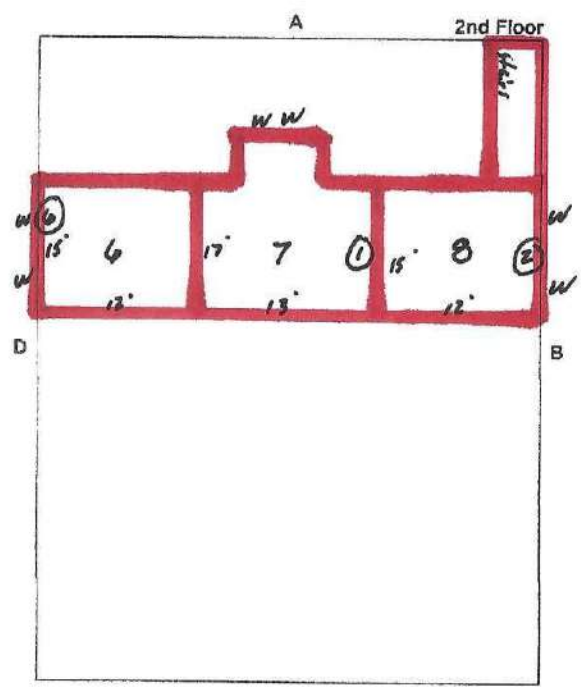
Flooring: Wood  Concrete  9" Tile  12" Tile  Linoleum  Ceramic

Heating: FAF  Hot Water  Furnace Board  Duct Work  Seam Tape  Duct Boots

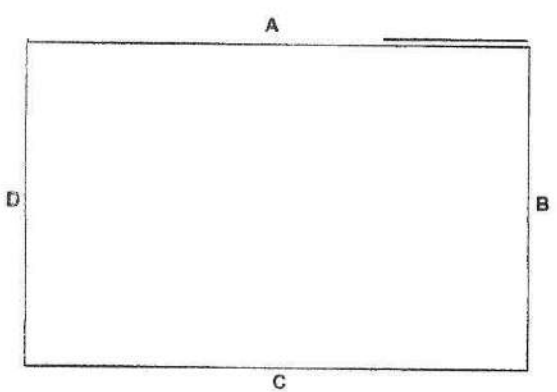
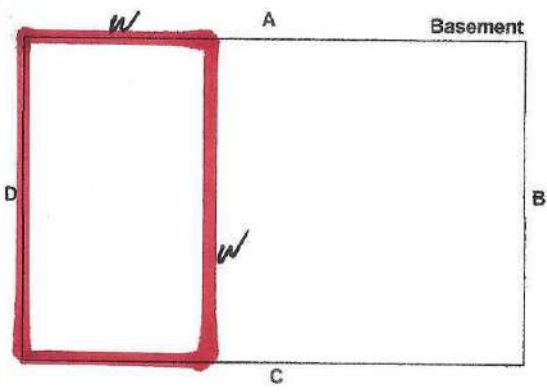
Roofing: Asphalt  Metal  Transite  Build Up  Other



Ceiling Height 8ft



Ceiling Height 8ft



Inspector Tyler Rister

Certification # ES35958

Date 10/23/27

Site 4444 Ca Rd 152 City East Liberty State OH Zip 43319

HA #	Material	Room Location	Color	Condition	Quantity
#1	Plaster	Throughout	NA	G/F	5,000 SF
#2	Window Glass (Wood)	Throughout	white	G/F	19 Windows
#3	Limestone	4	red	G/F	185 SF
#4	Limestone	2	Blue	G/F	230 SF
#5	9" tile/Mosaic	3	white	G/F	130 SF
#6	Transite Siding	Siding	Green	G/F	2,200 SF
* Flooring can remain for demo					

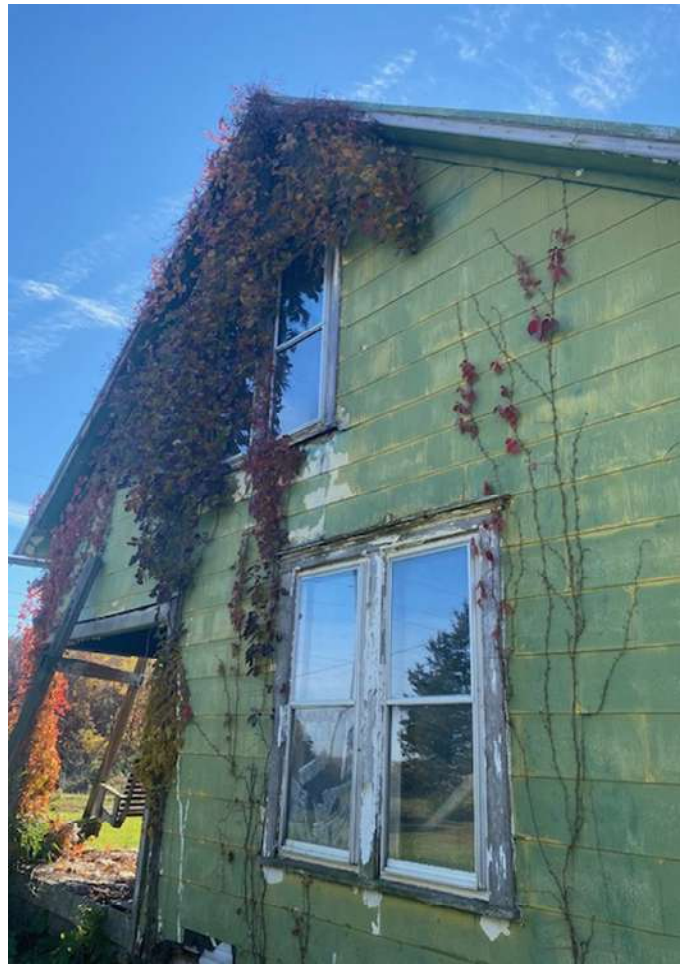
\* G = Good F = Fair P = Poor FR = Friable NF = Non Friable

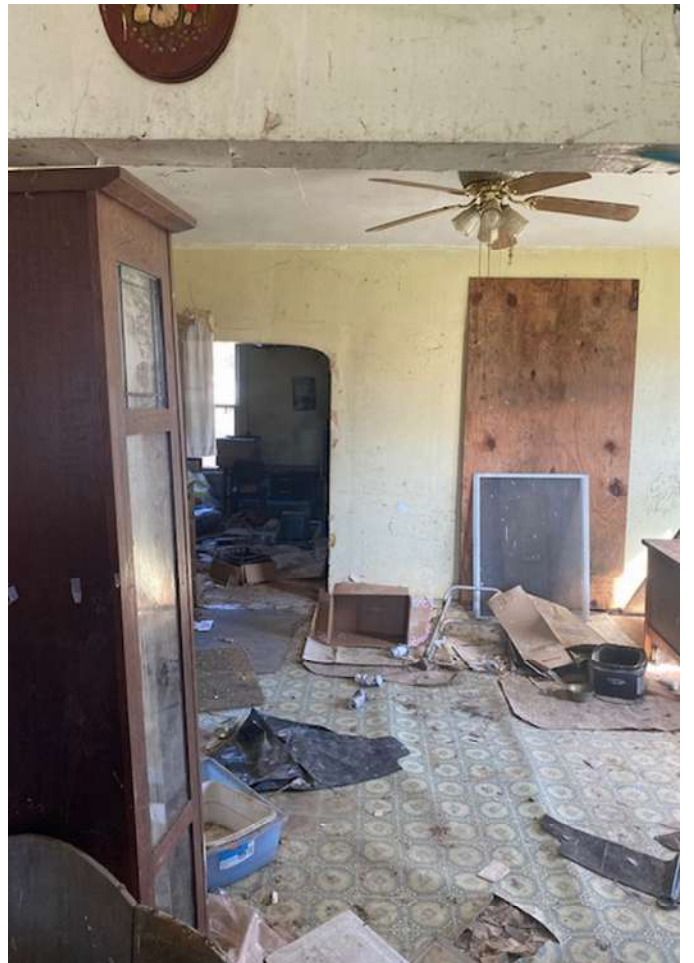
Notes:

\* 2 story farm house \* Transite Siding \* Wood Windows  
 \* Metal Roofing \* Poros Oak on siding \* Plaster  
 \* low 1 flooring no suspect \* full of junk \* 9" tile \* Limestone  
 \* Animal droppings everywhere \* No suspect Heating found  
 \* 2nd floor 1/20 heat \* Gas/stove heating

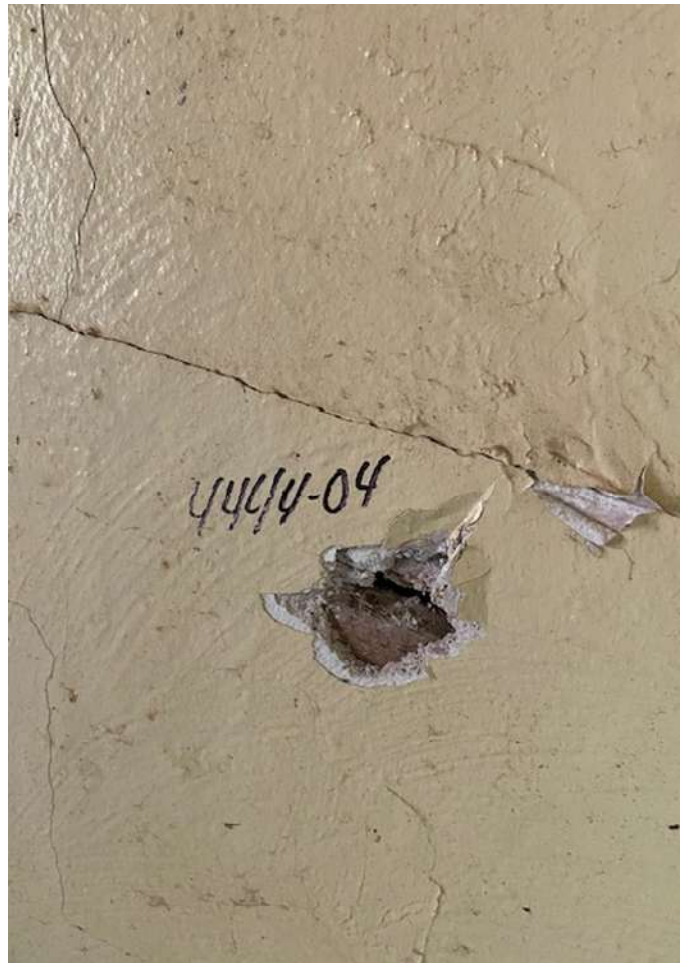
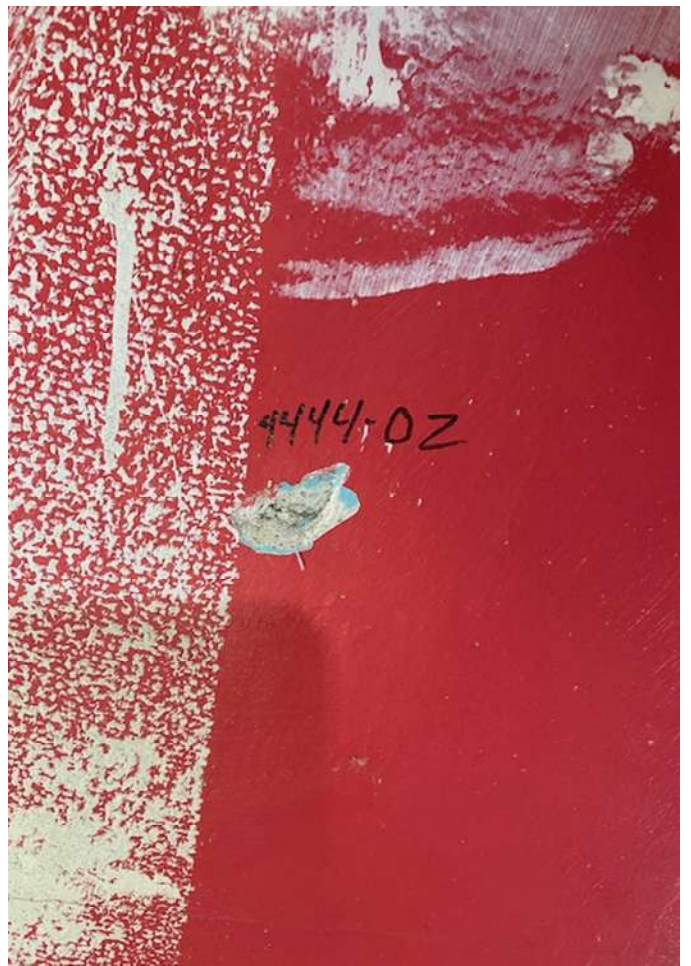
Building Clean Out  Yes /  No

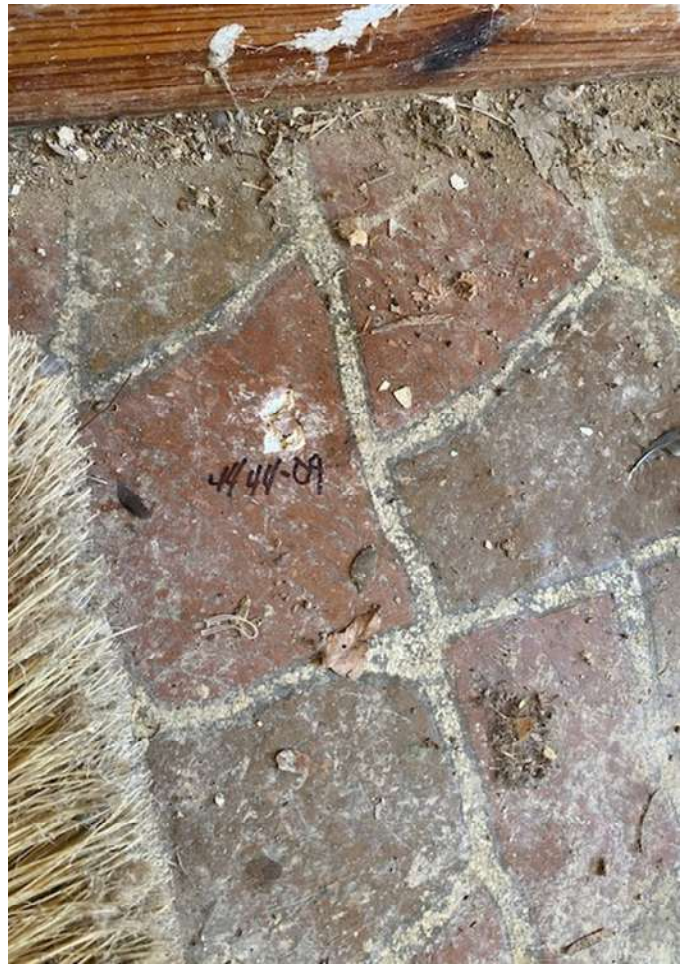
Inspector Tyler Rister Certification # ES35958 Date 10/23/23

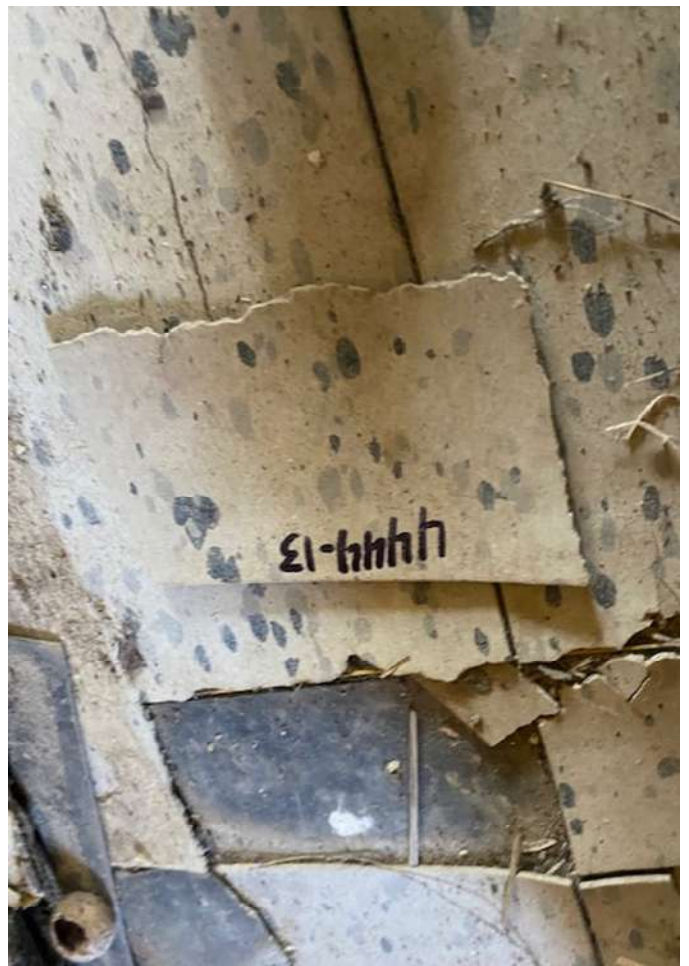
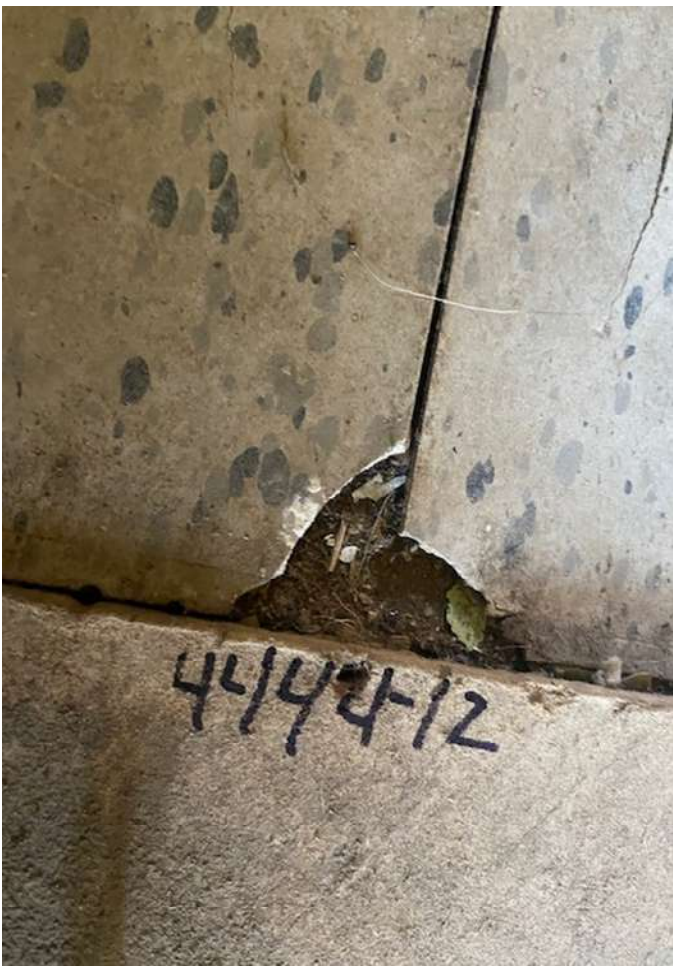














**McCall and Spero  
Environmental, Inc.**

Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223  
Phone (502) 244-7135 • FAX (502) 244-7136

E-mail: [customerservice@mse-labs.com](mailto:customerservice@mse-labs.com) • Website: [www.mse-labs.com](http://www.mse-labs.com)

Date: October 24, 2023

Attention: Chuck Hurt  
H & H Environmental

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light  
Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-PO243HHE  
4444 Co. Rd. 152; East Liberty, OH 43319 Project

Dear Mr. Hurt:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on October 24, 2023. These samples represent the bulk samples from the 4444 Co. Rd. 152; East Liberty, OH 43319 Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the twenty-one (21) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.  
PLM Laboratory Director

## SUMMARY OF PLM BULK ANALYSIS RESULTS

Page 1

Project Name: 4444 Co. Rd. 152; East Liberty, OH 43319 Project  
McCall & Spero Environmental Project No. MSE-PO243HHE

MSE # PO243HHE	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001 (A)	4444-01 (A) Plaster	ND**	Cellulose / 3%	97%	Tan
001 (B)	4444-01 (B) Skim Coat	ND**	Cellulose / 2%	98%	Tan
002 (A)	4444-02 (A) Plaster	ND**	Cellulose / 3%	97%	Tan
002 (B)	4444-02 (B) Skim Coat	ND**	Cellulose / 2%	98%	Tan
003 (A)	4444-03 (A) Plaster	ND**	Cellulose / 3%	97%	Tan
003 (B)	4444-03 (B) Skim Coat	ND**	Cellulose / 2%	98%	Tan
004 (A)	4444-04 (A) Plaster	ND**	Cellulose / 3%	97%	Tan
004 (B)	4444-04 (B) Skim Coat	ND**	Cellulose / 2%	98%	Tan
005 (A)	4444-05 (A) Plaster	ND**	Cellulose / 3%	97%	Tan
005 (B)	4444-05 (B) Skim Coat	ND**	Cellulose / 2%	98%	Tan
006	4444-06 Window Glaze	ND**	Cellulose / 5%	95%	Tan
007	4444-07 Window Glaze	ND**	Cellulose / 5%	95%	Tan
008	4444-08 Linoleum	CH / 5%	Cellulose / 10%	85%	Red
009	4444-09 Linoleum	CH / 5%	Cellulose / 10%	85%	Red
010	4444-10 Linoleum	CH / 5%	Cellulose / 10%	85%	Blue

McCall & Spero Environmental, Inc.

## SUMMARY OF PLM BULK ANALYSIS RESULTS

Page 2

MSE # PO243HHE	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
011	4444-11 Linoleum	CH / 5%	Cellulose / 10%	85%	Blue
012 (A)	4444-12 (A) 9" Tile	CH / 3%	Cellulose / 2%	95%	White
012 (B)	4444-12 (B) Mastic	CH / 2%	Cellulose / 5%	93%	Black
013 (A)	4444-13 (A) 9" Tile	CH / 3%	Cellulose / 2%	95%	White
013 (B)	4444-13 (B) Mastic	CH / 2%	Cellulose / 5%	93%	Black
014	4444-14 Transite Siding	CH / 10%	Cellulose / 10%	80%	White

### NOTES:

ND = None Detected  
CR = Crocidolite

CH = Chrysotile  
AN = Anthophyllite

A = Amosite

AC = Actinolite

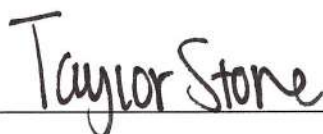
TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within  $\pm 10\%$ . Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

\*\* EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Taylor B. Parmly Stone



McCall & Spero Environmental, Inc.



**McCall and Spero  
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Specialists in Microanalysis

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Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7136

E-mail: customerservice@mseilabs.com • Website: www.mseilabs.com

**BULK SAMPLE CHAIN OF CUSTODY FORM**

Company: H&H Environmental Telephone # 419-618-3072 Fax #: 419-443-0539  
 Contact: Chuck Hurt Client Project Number: \_\_\_\_\_  
 Relinquished by: Tyler Rister Date: 10/23/23 Time: 11:30  
 Written Report To: Ike Hurt  
 Project Name: 4444 Co Rd 152 East Liberty OH 43319  
 Turn-Around (Circle One): Same Day 24 Hour 2-3 Day 4-5 Day Weekend Rush After Hour Rush  
 Analysis Requested (Circle One): PLM Bulk Analysis TEM Qualitative Analysis TEM Quantitative Analysis (4-5 Day)

*For Laboratory Use Only*

MSE Project # P0243HHE Method: EPA/600/R-93/116  
 Samples Received by: TBS Date: 10/24/23 Time: 1pm

Client Sample Number	Location	Sample Description	Sampled By
4444-01	Plaster room 7 wall B		
4444-02	Plaster room 8 wall B		
4444-03	Plaster room 4 wall B		
4444-04	Plaster room 1 wall A		
4444-05	Plaster stairs wall A		
4444-06	Window Balze room 6 wall D		
4444-07	Window Balze room 2 wall A		
4444-08	Linoalium (Red) room 4 near wall C		
4444-09	Linoalium (Red) room 4 near wall A		
4444-10	Linoalium (Blue) room 2 near wall B		
4444-11	Linoalium (Blue) room 2 near wall D		
4444-12	9" tile/Mastic (white) room 3 near wall A		
4444-13	9" tile/Mastic (white) room 3 center of room		
4444-14	Waste Sidng outside room 4		



# TRAINING SERVICES INTERNATIONAL

## Asbestos Building Inspector Refresher

### Certificate


This is to certify

# Tyler Rister

## XXXX-XX-1478



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code; and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

	11/30/23	11/30/22	11/30/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSitraining.com

Course Certificate No. **22 TSI 418145 it**



# TRAINING SERVICES INTERNATIONAL

## Asbestos Management Planner Refresher

Certificate


This is to certify

# Tyler Rister

XXXX-XX-1478



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

	11/30/23	11/30/22	11/30/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSITraining.com

Course Certificate No. **22 TSI 418151 mpr**



# TRAINING SERVICES INTERNATIONAL

## Asbestos Contractor Supervisor Refresher

### Certificate


This is to certify

**Tyler Rister**

XXXX-XX-1478



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request

	11/29/23	11/29/22	11/29/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSitraining.com

Course Certificate No. **22 TSI 418032 CSR**



# TRAINING SERVICES INTERNATIONAL

## Asbestos Building Inspector Refresher

### Certificate


This is to certify

# Jace Hurt

## XXXX-XX-0133



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code. and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

	11/30/23	11/30/22	11/30/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSItraining.com

Course Certificate No. **22 TSI 418147 ir**



# TRAINING SERVICES INTERNATIONAL

## Asbestos Management Planner Refresher

### Certificate

This is to certify

# Jace Hurt

XXXX-XX-0133



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

	11/30/23	11/30/22	11/30/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSItraining.com

Course Certificate No. **22 TSI 418153 mpr**



# TRAINING SERVICES INTERNATIONAL

## Asbestos Contractor Supervisor Refresher

### Certificate


This is to certify

**Jace Hurt**

**XXXX-XX-0133**



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

	11/29/23	11/29/22	11/29/2022	Columbus, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSItraining.com

Course Certificate No. **22 TSI 418034 CSR**