F O U S T
ENGINEERING, INC.

Consulting Engineers

ASBESTOS SURVEY

Subject Site:

54 W. Lincoln Avenue
Delaware, Ohio 43015
Delaware County

Prepared for:

Delaware County Land Reutilization Corporation

Prepared by:

Foust Engineering, Inc.
45 Lake Street
Delaware, Ohio 43015

Foust Project Reference:

#213404

Report Date:

January 11, 2022

1.0 INTRODUCTION

The following report presents the findings of an Asbestos Survey conducted by Foust Engineering, Inc. at the request of the **Delaware County Land Reutilization Corporation**. This survey focused on the vacant building located at 54 W. Lincoln Avenue in Delaware, Ohio (Figures 1 & 2).

The subject facility was originally constructed as a residential home in 1870, and was occupied as a private residence until 1915. Between 1916 and 1961, the home was used as an Ohio Wesleyan University fraternity house by Beta Theta Pi. The building sat vacant in 1962 before it was converted into a nursing home in 1963 known as the Delaware Nursing Home. Shortly thereafter, in 1968, the facility became the Sunny Vee Nursing Home. The property has been vacant since 2008 and may undergo renovation or demolition.

Figures 1 & 2 are maps identifying the specific location of the property. Figures 3 through 6 include floor plans and bulk sampling locations. Each sample is listed in the Bulk Asbestos Sampling Log in Appendix A.

Site Address: 54 W. Lincoln Avenue
Delaware, Ohio 43015
Delaware County
Parcel Number 519-432-02-019-000

Client Address: Delaware County Land Reutilization Corporation
Mr. Jeff Benton
91 N. Sandusky Street
Delaware, Ohio 43015
(740) 833-2103

2.0 DESCRIPTION AND BACKGROUND

The term *asbestos* is given to a group of naturally occurring fibrous, inorganic hydrated mineral silicates. The asbestos group includes actimolite, amosite, tremolite, anthophyllite, chrysotile and crocidolite. Asbestos Containing Materials (ACM's) have historically been used for applications in fireproofing, insulation, binding agents or soundproofing. Applications of ACM generally fall into one of the following three categories: Surfacing Materials, Miscellaneous Materials, or Thermal System Insulation.

Adverse human health effects, due to asbestos exposure through inhalation (breathing), are well documented. Diseases associated with long-term exposure include *Asbestosis* - scarring of the lung tissue, *Lung Cancer* - malignant tumor of the bronchi covering, and *Mesothelioma* - cancer of the lining of the abdominal wall (mesothelium). Other diseases are currently being studied to determine their relationship to asbestos exposure.

Materials are considered to be Regulated ACM (RACM) if the material is comprised of more than 1% asbestos fibers. Friable materials are defined as those substances that can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Non-friable (hard and intact) samples include the remainder of the suspect materials. Category 1 Non-Friable materials, as defined in 40 CFR Part 61 Subpart M, include asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products. These materials, due to their extremely low probability of fiber release when damaged, are sometimes allowed to be left in place for demolition. Specific applications need to be reviewed with the Ohio EPA and the Ohio Department of Health prior to demolition if they are in good condition and not friable [40 CFR 61.145 (c)(1)(i)].

<u>However, if structures are slated for demolition by intentional burning, all RACM must be removed prior to burning (40 CFR 61.145 (c)(10)).</u>

3.0 PROJECT SCOPE

This Asbestos Survey was conducted to determine the type, quantity, and condition of suspected ACM used in construction of the subject buildings, if any. The survey was conducted in accordance with the applicable regulations and general guidelines set forth in EPA's *Asbestos Hazardous Emergency Response Act* (AHERA) and rules promulgated under 40 CFR 763, Subpart E. Although these guidelines were originally prepared for educational agencies, these are applicable to commercial facilities when required by lending institutions or state regulations. These guidelines are also referenced in Occupational Safety and Health Administration (OSHA), 29 CFR 1926.1101, which are designed to protect workers during demolition or renovation of buildings containing ACBM. The EPA's *National Emission Standard for Asbestos* promulgated under 40 CFR Part 61 Subpart M is also applicable to this project.

Specifically, the project scope-of-work included the following tasks:

- An attempt to collect and review any existing building plans and/or drawings, previous asbestos surveys or inspections, and various related information qualitatively indicating the presence or location of suspected ACM.
- Conduct a building inspection using the EPA's Asbestos Hazard Emergency Response Act (AHERA) as guidance. The inspection is to include the following:
    - Inspection of the building by a Certified Asbestos Hazardous Evaluation Specialist, as per OAC Rule 3701-34-06, for visual and physical examination of the building materials to identify locations of known and/or suspect ACM.
    - Identification and grouping of homogeneous materials and sampling of suspect ACM.
    - Collect bulk samples of suspect ACM and perform laboratory analyses, using polarized light microscopy (PLM) techniques, in accordance with the EPA's

Pink Book: *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials,* report number EPA 560/5-85-030a.

- Review and document information collected during the building survey, including but not limited to, material assessments, laboratory results, building plans, and inquiries.
- Preparation of this survey report including methodologies, findings, conclusions and recommendations.

4.0 INSPECTION PROCEDURES

An initial walk-through of each space of the subject building was conducted on July 6, 2021 in order to identify potential suspect asbestos containing materials. A subsequent and more detailed inspection was conducted on January 4, 2022 by David G. Foust (Ohio Asbestos Hazard Evaluation Specialist #ES33249) and John M. Ulicny (Ohio Asbestos Hazard Evaluation Specialist #ES32790) that included a thorough review of the condition, location, and approximate quantity of the suspect ACM. Physical sampling of the suspected materials was performed during the January 4th inspection.

Bulk samples obtained during this sampling event were shipped to Eurofins CEI of Cary, North Carolina for analysis. The laboratory result sheets are included in Appendix A. The certification and the accreditation number of the Asbestos Hazard Evaluation Specialist involved in the survey can be found in Appendix B.

The inspection and sampling were performed in general compliance with 40 CFR 763.85-86 and other recommended EPA asbestos survey practices. Sampling was performed at the least exposed areas, or at areas that contained the most physical damage. All suspect materials were classified as homogeneous, according to color, texture, and hardness, as suggested by current EPA sampling protocols. Bulk samples of suspect materials were placed into individually sealed containers. The containers were then labeled and relevant information was recorded onto a bulk sample log and associated chain-of-custody form. Samples were submitted to the independent laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for analyses.

The location of each sample was based on a location considered to be representative within each HSA. Based on the project scope, three samples of each suspect ACM, per HSA, were collected for laboratory confirmation from random locations. Samples were collected according to the EPA guidance publication, *Simplified Sampling Scheme for Friable Surfacing Materials* (EPA 560/5-85-030a, October, 1985). Bulk samples were collected directly from the exposed material. Prior to sample collection, the surface was

sprayed with surfactant to reduce potential fiber release. A complete core or cross section sample was taken to ensure that each layer of suspect ACM was representative of the parent material.

The subject facility was originally constructed as a three-story residential home in 1870, and was occupied as a private residence until 1915. The home was constructed with a brick exterior and plastered interior walls. Around 1963 the original building was converted into a nursing home that included a single-story patient room addition and an elevator/stair tower. Those renovations included some new drywalled partitions, floor tiles, ceiling tiles and window replacements. The facility has been vacant since 2008 and has fallen into disrepair due to roof leaks and vandals.

The types of suspect ACM observed and sampled include the following:

- *Miscellaneous Materials* - Decorative cornice/molding plaster
  - Drywall & joint compound
  - Various vinyl floor tiles & associated mastics
  - Linoleum sheet flooring
  - 2'x4' & 12"x12" ceiling tiles
  - Window glazing on older wood windows
- *Surfacing Materials* - Base & finish coat plaster
- *Thermal System Insulation* - Pipe & elbow/fitting insulation

5.0 FINDINGS

A total of seventy-seven (77) samples were submitted and analyzed for this survey. These samples represent multiple suspect materials identified within the original house and nursing home addition. Due to the quantity of the materials encountered, three samples of each material were collected in order to comply with sampling protocols. According to the laboratory results (Appendix A), the seven (7) materials discussed below were found to be regulated asbestos-containing materials (RACM). Although joint compound on drywalled walls was found to contain 2% chrysotile asbestos, the compound was not installed as a skim coat and therefore, the drywall/joint compound system contains less than 1% asbestos and is not considered a regulated material.

- **Black Mastic Associated with 12”x12” White Vinyl Floor Tile**

This material is associated with the 12”x12” white vinyl floor tile that was found throughout the patient rooms, basement and limited hallways of the facility. According to laboratory results, this black mastic contains 5% chrysotile asbestos while the floor tile itself contains no asbestos. In total, there is over 4,000 square feet of the mastic found in the facility. Most of this flooring is in poor condition, particularly in the basement and the single-story addition. Therefore, this material must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **Linoleum Sheet Flooring & Associated Mastic**

This material was found on the first floor of the original house under exposed floor tile and a layer of wood sheathing. According to laboratory results, the linoleum contains 20% chrysotile asbestos and its mastic contains 2% chrysotile asbestos. In total, there is approximately 1,500 square feet of the flooring found in the house. Therefore, this linoleum flooring must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **Black Mastic Associated with 12”x12” Red Vinyl Floor Tile**

This material is associated with the 12”x12” red vinyl floor tile that was found at the south end of the second-floor hallway in the original home. According to laboratory results, this black mastic contains 5% chrysotile asbestos while the floor tile itself contains no asbestos. In total, there is approximately 150 square feet of the mastic found on the second floor. This material must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **Window Glazing on Older Wood Windows**

This material was found only on older, original, wood windows in the original home structure. According to laboratory results, this glazing contains 5% chrysotile asbestos. Therefore, this glazing must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **9”x9” Red Vinyl Floor Tile**

This material was found only in two rooms in the basement of the original home. According to laboratory results, this flooring contains 7% chrysotile asbestos. In total, there is approximately 500 square feet of the flooring found in the basement. Therefore, this tile flooring must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **Pipe Insulation**

This friable material was found only in the basement on a limited number of heating pipes. According to laboratory results, the piping run insulation contains 65% chrysotile asbestos. In total, there is approximately 60 linear feet of the material with areas of insulation that have fallen off the pipe and are laying on the floor. Therefore, this insulation must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

- **Elbow & Fitting Insulation**

This friable material was found only in the basement on a limited number of heating pipes. According to laboratory results, the piping fitting and elbow insulation contains 45% chrysotile asbestos. In total, there are only a few fittings or elbows in the southeast corner of the basement. However, this insulation must be removed by an Ohio-Certified Asbestos Abatement Contractor before the structure is renovated or demolished.

6.0 CONCLUSIONS AND RECOMMENDATIONS

As a result of this asbestos survey, seven materials identified in the structure were found to contain greater than 1% asbestos. Those materials include the following:

- **Black Mastic Associated with 12"x12" White Vinyl Floor Tile** *throughout*
- **Linoleum Sheet Flooring & Associated Mastic** *first floor*
- **Black Mastic Associated with 12"x12" Red Vinyl Floor Tile** *second floor*
- **Window Glazing on Older Wood Windows** *old wood windows*
- **9"x9" Red Vinyl Floor Tile** *basement*
- **Pipe Insulation** *basement*
- **Elbow & Fitting Insulation** *basement*

Therefore, prior to any planned renovation or demolition of the facility, those materials must be removed by an Ohio-Certified Asbestos Abatement Contractor.

A *Notification of Demolition and Renovation* should be submitted to the state or local agency that requested the survey for this project before any demolition activities can begin.

It is possible that additional suspect materials may be discovered or revealed during demolition activities. In the event that any previously unidentified suspect materials are encountered, those materials must be sampled and assessed by an Ohio-Certified Asbestos Hazardous Evaluation Specialist, or assumed to contain asbestos and be treated accordingly, prior to the commencement of any demolition work. Should any additional ACM's be discovered, only properly trained personnel should perform work activities on and around those materials.

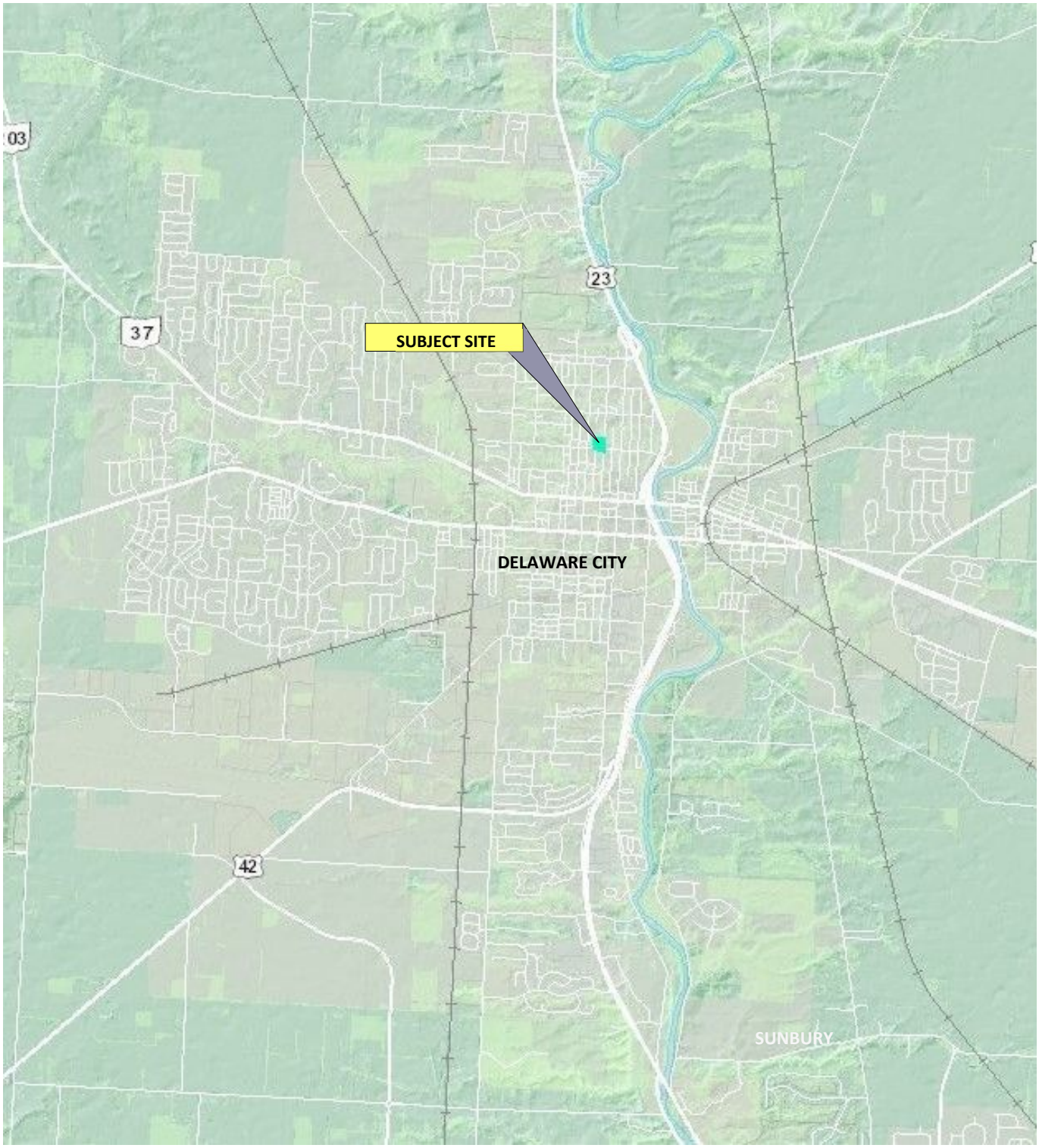
7.0 CLOSING

Foust Engineering, Inc. has prepared this report for your use, in accordance with generally accepted asbestos inspection practices. The information contained in this report is site-specific and pertains to this project only. The opinions expressed in this asbestos survey report are based on Foust Engineering's experience and available information. This survey evaluated the conditions that existed at the time of investigation of the subject property and does not warrant against future alteration of conditions at the subject site, or subsequent changes in environmental regulations. We appreciate the opportunity to provide these professional services. If you have any questions, or need further information, please feel free to contact our office.

Please refer to Foust Engineering Project *#213404* in all correspondence and inquiries.

David G. Foust, P.E.
Ohio Asbestos Hazard Evaluation Specialist #ES33249

John M. Ulicny
Ohio Asbestos Hazard Evaluation Specialist #ES32790



NORTH

SOURCE:
Delaware County Auditor
GIS Division

FOUST
ENGINEERING, INC.
45 Lake Street, Delaware, Ohio 43015
740-362-5304 phone
fousteng@aol.com

54 W. Lincoln Avenue
Delaware, Ohio 43015
(Delaware County)
Project #213404

Provided By:	Scale:	Prep. Date:		
GIS	relative	06/10/2021	GENERAL SITE LOCATION	FIGURE 1

NORTH

SOURCE:
Delaware County Auditor
GIS Division

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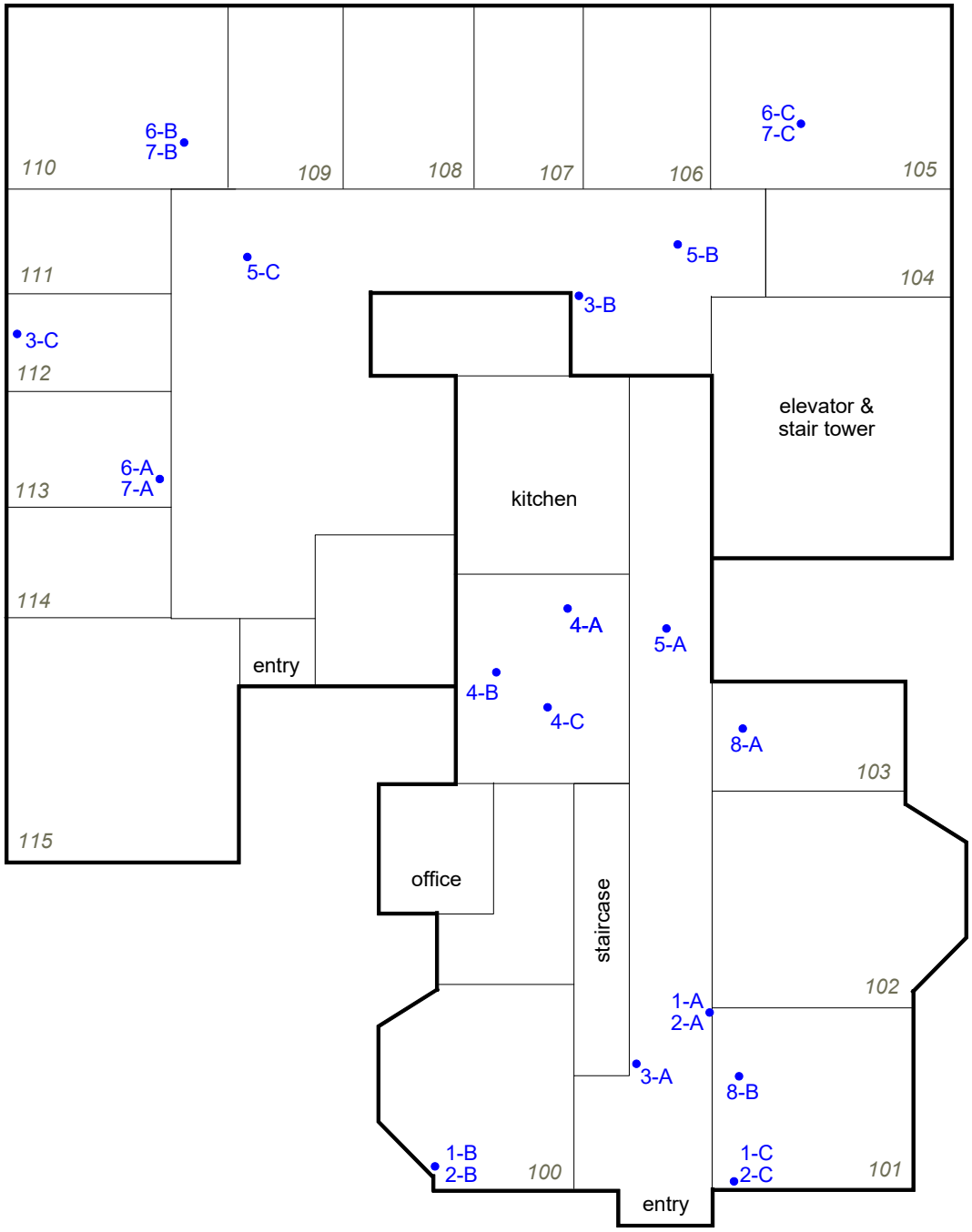
Project #213404

Drawn By:	Approx. Scale:	Prep. Date:		
GIS	shown above	06/10/2021	GIS MAP	FIGURE 2



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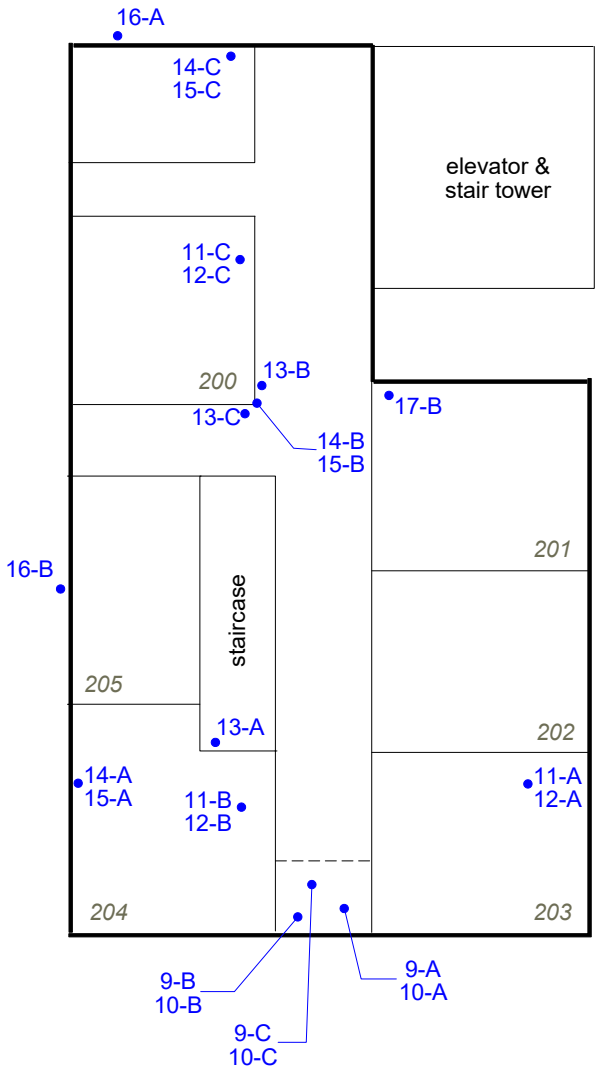
Project #213404

Drawn By:	Approx. Scale:	Prep. Date:		
DGF-JMU	relative	01/04/2022	FIRST FLOOR LAYOUT	FIGURE 3



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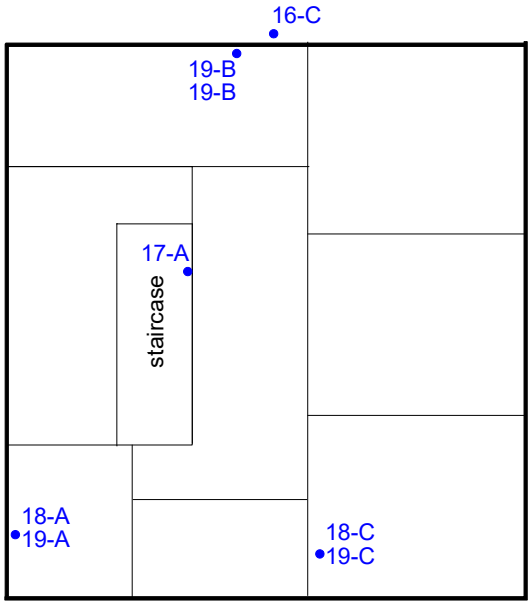
Project #213404

Drawn By:	Approx. Scale:	Prep. Date:		
DGF-JMU	relative	01/04/2022	SECOND FLOOR LAYOUT	FIGURE 4



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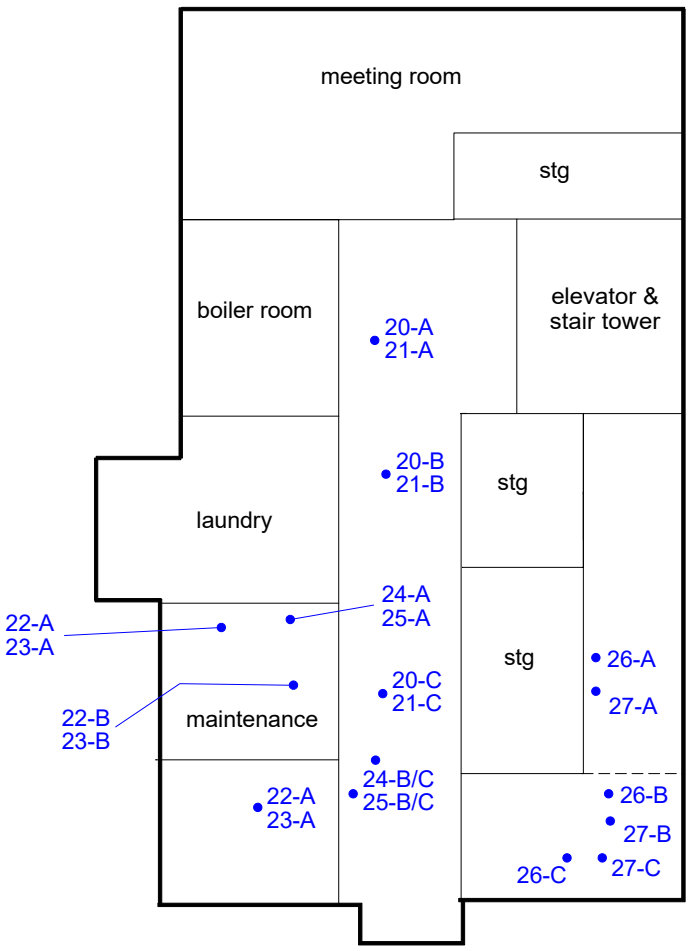
Drawn By:	Approx. Scale:	Prep. Date:		
DGF-JMU	relative	01/04/2022	THIRD FLOOR LAYOUT	FIGURE 5



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Drawn By:	Approx. Scale:	Prep. Date:		
DGF-JMU	relative	01/04/2022	BASEMENT LAYOUT	FIGURE 6

APPENDIX A
LABORATORY RESULT SHEETS

eurofins | CEI

January 7, 2022

Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

CLIENT PROJECT: Sunny Vee, 213404
CEI LAB CODE: B220265

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on January 5, 2022. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Foust Engineering, Inc.

CLIENT PROJECT: Sunny Vee, 213404

LAB CODE: B220265

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 01/07/22

TOTAL SAMPLES ANALYZED: 75

SAMPLES >1% ASBESTOS: 23

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Sunny Vee, 213404 **LAB CODE: B220265**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1-A		B3547	White,Cream	Drywall/Joint Compound	None Detected
1-B		B3548	White	Plaster Finish Coat	None Detected
1-C		B3549	White	Plaster Finish Coat	None Detected
2-A		B3550		No Sample Present in Sample Container	
2-B		B3551	Gray	Plaster Base Coat	None Detected
2-C		B3552	Gray	Plaster Base Coat	None Detected
3-A		B3553	White,Cream	Drywall/Joint Compound	None Detected
3-B		B3554	White,Cream	Drywall/Joint Compound	None Detected
3-C		B3555	White,Cream	Drywall/Joint Compound	None Detected
4-A		B3556	Tan,Cream	Ceiling Tile	None Detected
4-B		B3557	Tan,Cream	Ceiling Tile	None Detected
4-C		B3558	Tan,Cream	Ceiling Tile	None Detected
5-A		B3559	White,Gray	Ceiling Tile	None Detected
5-B		B3560	White,Gray	Ceiling Tile	None Detected
5-C		B3561	White,Gray	Ceiling Tile	None Detected
6-A		B3562	White	Floor Tile	None Detected
6-B		B3563	White	Floor Tile	None Detected
6-C		B3564	White	Floor Tile	None Detected
7-A		B3565	Black	Mastic	Chrysotile 5%
7-B		B3566	Black	Mastic	Chrysotile 5%
7-C		B3567	Black	Mastic	Chrysotile 5%
8-A		B3568A	Beige,Off-white	Linoleum	Chrysotile 20%
	Layer 1	B3568B	Tan	Mastic	Chrysotile 2%
	Layer 2	B3568B	Tan	Subflooring	None Detected
8-B		B3569A	Beige,Off-white	Linoleum	Chrysotile 20%
	Layer 1	B3569B	Tan	Mastic	Chrysotile 2%
	Layer 2	B3569B	Tan	Subflooring	None Detected
9-A		B3570	Red	Floor Tile	None Detected
9-B		B3571	Red	Floor Tile	None Detected
9-C		B3572	Red	Floor Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Sunny Vee, 213404 **LAB CODE: B220265**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
10-A		B3573	Black	Mastic	Chrysotile 5%
10-B		B3574	Black	Mastic	Chrysotile 5%
10-C		B3575	Black	Mastic	Chrysotile 5%
11-A		B3576	White	Floor Tile	None Detected
11-B		B3577	White	Floor Tile	None Detected
11-C		B3578	White	Floor Tile	None Detected
12-A		B3579	Yellow	Mastic	None Detected
12-B		B3580	Yellow	Mastic	None Detected
12-C		B3581	Yellow	Mastic	None Detected
13-A		B3582	White,Gray	Cornice Plaster	None Detected
13-B		B3583	White,Gray	Cornice Plaster	None Detected
13-C		B3584	White,Gray	Cornice Plaster	None Detected
14-A		B3585	White,Pink	Plaster Finish Coat	None Detected
14-B		B3586	White	Plaster Finish Coat	None Detected
14-C		B3587	White,Tan	Plaster Finish Coat	None Detected
15-A		B3588	Gray	Plaster Base Coat	None Detected
15-B		B3589	Gray	Plaster Base Coat	None Detected
15-C		B3590	Gray	Plaster Base Coat	None Detected
16-A		B3591	Off-white	Window Glazing	Chrysotile 5%
16-B		B3592	Off-white	Window Glazing	None Detected
16-C		B3593	Off-white	Window Glazing	Chrysotile 5%
17-A		B3594	White,Cream	Drywall/Joint Compound	None Detected
17-B		B3595	Off-white, Cream	Drywall/Joint Compound	Chrysotile <1%
18-A		B3596	White,Blue	Plaster Finish Coat	None Detected
18-B		B3597	White,Gray	Plaster Finish Coat	None Detected
18-C		B3598	White,Red	Plaster Finish Coat	None Detected
19-A		B3599	Gray	Plaster Base Coat	None Detected
19-B		B3600	Gray	Plaster Base Coat	None Detected
19-C		B3601	Gray	Plaster Base Coat	None Detected
20-A		B3602	White	Floor Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Sunny Vee, 213404 **LAB CODE: B220265**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
20-B		B3603	White	Floor Tile	None Detected
20-C		B3604	White	Floor Tile	None Detected
21-A		B3605	Black	Mastic	Chrysotile 5%
21-B		B3606	Black	Mastic	Chrysotile 5%
21-C		B3607	Black,Tan	Mastic	None Detected
22-A		B3608	Red	Floor Tile	Chrysotile 7%
22-B		B3609	Red	Floor Tile	Chrysotile 7%
22-C		B3610	Red	Floor Tile	Chrysotile 7%
23-A		B3611	Black	Mastic	None Detected
23-B		B3612	Black	Mastic	None Detected
23-C		B3613	Black	Mastic	None Detected
24-A		B3614	White	Drywall/Joint Compound	None Detected
24-B		B3615	White	Drywall/Joint Compound	Chrysotile <1%
24-C		B3616	White	Drywall/Joint Compound	None Detected
25-A		B3617		No Sample Present in Sample Container	
25-B		B3618		No Sample Present in Sample Container	
25-C		B3619		No Sample Present in Sample Container	
26-A		B3620	White	Pipe Insulation	Chrysotile 65%
26-B		B3621	White	Pipe Insulation	Chrysotile 65%
26-C		B3622	White	Pipe Insulation	Chrysotile 65%
27-A		B3623	White	Joint / Elbow Insulation	Chrysotile 45%
27-B		B3624	White	Joint / Elbow Insulation	Chrysotile 45%
27-C		B3625	White	Joint / Elbow Insulation	Chrysotile 45%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1-A B3547	Drywall/Joint Compound	Heterogeneous White,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
No plaster present; sample appears to be drywall and joint compound.							
1-B B3548	Plaster Finish Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
1-C B3549	Plaster Finish Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
2-A B3550	No Sample Present in Sample Container						
2-B B3551	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
2-C B3552	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
3-A B3553	Drywall/Joint Compound	Heterogeneous White,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
3-B B3554	Drywall/Joint Compound	Heterogeneous White,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
3-C B3555	Drywall/Joint Compound	Heterogeneous White,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
4-A B3556	Ceiling Tile	Heterogeneous Tan,Cream Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
4-B B3557	Ceiling Tile	Heterogeneous Tan,Cream Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
4-C B3558	Ceiling Tile	Heterogeneous Tan,Cream Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
5-A B3559	Ceiling Tile	Heterogeneous White,Gray Fibrous Loosely Bound	65% 15% 5%	Cellulose Fiberglass Mineral Wool	15% <1%	Perlite Paint	None Detected
5-B B3560	Ceiling Tile	Heterogeneous White,Gray Fibrous Loosely Bound	65% 15% 5%	Cellulose Fiberglass Mineral Wool	15%	Perlite	None Detected
5-C B3561	Ceiling Tile	Heterogeneous White,Gray Fibrous Loosely Bound	65% 15% 5%	Cellulose Fiberglass Mineral Wool	15%	Perlite	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
6-A B3562	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
6-B B3563	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
6-C B3564	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
7-A B3565	Mastic	Homogeneous Black Non-fibrous Bound			95%	Tar	**5% Chrysotile**
7-B B3566	Mastic	Homogeneous Black Non-fibrous Bound			95%	Tar	**5% Chrysotile**
7-C B3567	Mastic	Homogeneous Black Non-fibrous Bound			95%	Tar	**5% Chrysotile**
8-A B3568A	Linoleum	Heterogeneous Beige,Off-white Fibrous Bound	30%	Cellulose	50%	Vinyl	**20% Chrysotile**

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 1 B3568B	Mastic	Homogeneous Tan Non-fibrous Bound			98%	Mastic	2% Chrysotile
Analyst opinion: contamination from adjacent linoleum.							
Layer 2 B3568B	Subflooring	Homogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
8-B B3569A	Linoleum	Heterogeneous Beige,Off-white Fibrous Bound	30%	Cellulose	50%	Vinyl	20% Chrysotile
Layer 1 B3569B	Mastic	Homogeneous Tan Non-fibrous Bound			98%	Mastic	2% Chrysotile
Analyst opinion: contamination from adjacent linoleum.							
Layer 2 B3569B	Subflooring	Homogeneous Tan Fibrous Bound	100%	Cellulose			None Detected
9-A B3570	Floor Tile	Homogeneous Red Non-fibrous Bound			100%	Vinyl	None Detected
9-B B3571	Floor Tile	Homogeneous Red Non-fibrous Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
9-C B3572	Floor Tile	Homogeneous Red Non-fibrous Bound		100% Vinyl	None Detected
10-A B3573	Mastic	Homogeneous Black Non-fibrous Bound		95% Tar	**5% Chrysotile**
10-B B3574	Mastic	Homogeneous Black Non-fibrous Bound		95% Tar	**5% Chrysotile**
10-C B3575	Mastic	Homogeneous Black Non-fibrous Bound		95% Tar	**5% Chrysotile**
11-A B3576	Floor Tile	Homogeneous White Non-fibrous Bound		100% Vinyl	None Detected
11-B B3577	Floor Tile	Homogeneous White Non-fibrous Bound		100% Vinyl	None Detected
11-C B3578	Floor Tile	Homogeneous White Non-fibrous Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
12-A B3579	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
12-B B3580	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
12-C B3581	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
13-A B3582	Cornice Plaster	Heterogeneous White,Gray Non-fibrous Bound	65% 30% 5%	Binder Silicates Paint	None Detected
13-B B3583	Cornice Plaster	Heterogeneous White,Gray Non-fibrous Bound	65% 30% 5%	Binder Silicates Paint	None Detected
13-C B3584	Cornice Plaster	Heterogeneous White,Gray Non-fibrous Bound	65% 30% 5%	Binder Silicates Paint	None Detected
14-A B3585	Plaster Finish Coat	Heterogeneous White,Pink Non-fibrous Bound	65% 30% 5%	Binder Silicates Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
14-B B3586	Plaster Finish Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
14-C B3587	Plaster Finish Coat	Heterogeneous White,Tan Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
15-A B3588	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
15-B B3589	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
15-C B3590	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound			65% 35%	Silicates Binder	None Detected
16-A B3591	Window Glazing	Heterogeneous Off-white Fibrous Bound			80% 15% <1%	Binder Calc Carb Paint	**5% Chrysotile**
16-B B3592	Window Glazing	Heterogeneous Off-white Non-fibrous Bound			85% 15% <1%	Binder Calc Carb Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
16-C B3593	Window Glazing	Heterogeneous Off-white Fibrous Bound			80% 15% <1%	Binder Calc Carb Paint	5% Chrysotile
17-A B3594	Drywall/Joint Compound	Heterogeneous White,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	None Detected
17-B B3595	Drywall/Joint Compound	Heterogeneous Off-white,Cream Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5% <1%	Gypsum Calc Carb Paint	<1% Chrysotile
2% Chrysotile in joint compound only; <1% overall.							
18-A B3596	Plaster Finish Coat	Heterogeneous White,Blue Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
18-B B3597	Plaster Finish Coat	Heterogeneous White,Gray Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
18-C B3598	Plaster Finish Coat	Heterogeneous White,Red Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected
19-A B3599	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
19-B B3600	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
19-C B3601	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	5%	Hair	65% 30%	Silicates Binder	None Detected
20-A B3602	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
20-B B3603	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
20-C B3604	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
21-A B3605	Mastic	Homogeneous Black Non-fibrous Bound			95%	Tar	**5% Chrysotile**
21-B B3606	Mastic	Homogeneous Black Non-fibrous Bound			95%	Tar	**5% Chrysotile**

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
Date Analyzed: 01-07-22
Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
21-C B3607	Mastic	Homogeneous Black,Tan Non-fibrous Bound		50%	Mastic	None Detected
				50%	Tar	
Unable to separate mastics for analysis.						
22-A B3608	Floor Tile	Homogeneous Red Fibrous Bound		93%	Vinyl	**7% Chrysotile**
22-B B3609	Floor Tile	Homogeneous Red Fibrous Bound		93%	Vinyl	**7% Chrysotile**
22-C B3610	Floor Tile	Homogeneous Red Fibrous Bound		93%	Vinyl	**7% Chrysotile**
23-A B3611	Mastic	Homogeneous Black Non-fibrous Bound		100%	Tar	None Detected
23-B B3612	Mastic	Homogeneous Black Non-fibrous Bound		100%	Tar	None Detected
23-C B3613	Mastic	Homogeneous Black Non-fibrous Bound		100%	Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
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Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
24-A B3614	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	75% 5%	Gypsum Calc Carb	None Detected
No plaster or rock lath present. Sample appears to be drywall and joint compound.							
24-B B3615	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	20%	Cellulose	75% 5%	Gypsum Calc Carb	<1% Chrysotile
2% Chrysotile in joint compound only; <1% overall. No plaster or rock lath present. Sample appears to be drywall and joint compound.							
24-C B3616	Drywall/Joint Compound	Heterogeneous White Fibrous Bound	15% 5%	Cellulose Fiberglass	75% 5%	Gypsum Calc Carb	None Detected
No plaster or rock lath present. Sample appears to be drywall and joint compound.							
25-A B3617	No Sample Present in Sample Container						
25-B B3618	No Sample Present in Sample Container						
25-C B3619	No Sample Present in Sample Container						
26-A B3620	Pipe Insulation	Heterogeneous White Fibrous Loosely Bound			35%	Binder	**65% Chrysotile**
26-B B3621	Pipe Insulation	Heterogeneous White Fibrous Loosely Bound			35%	Binder	**65% Chrysotile**

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Foust Engineering, Inc.
45 Lake Street
Delaware, OH 43015

Lab Code: B220265
Date Received: 01-05-22
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Date Reported: 01-07-22

Project: Sunny Vee, 213404

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
26-C B3622	Pipe Insulation	Heterogeneous White Fibrous Loosely Bound	35%	Binder	**65% Chrysotile**
27-A B3623	Joint / Elbow Insulation	Heterogeneous White Fibrous Loose	55%	Binder	**45% Chrysotile**
27-B B3624	Joint / Elbow Insulation	Heterogeneous White Fibrous Loose	55%	Binder	**45% Chrysotile**
27-C B3625	Joint / Elbow Insulation	Heterogeneous White Fibrous Loose	55%	Binder	**45% Chrysotile**

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LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: Valerie King

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

79

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CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B220265
CEI Lab I.D. Range:	B3547-B3625

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: David G. Foust
Company: Foust Engineering, Inc.	Email / Tel: *fousteng@aol.com* / 740-362-5304
Address: 45 Lake Street	Project Name: Sunny Vee
Delaware, Ohio 43015	Project ID#: 213404
Email: *fousteng@aol.com*	PO #: 213404
Tel: 740-362-5304 Fax: N/A	STATE SAMPLES COLLECTED IN: Ohio

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☒	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITTATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS:

JB Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	01/04/2022 4:00pm	JB	1/5 1:50

Samples will be disposed of 30 days after analysis

B220265

FOUST
ENGINEERING, INC.

BULK ASBESTOS SAMPLE LOG

Project Name: FMR Sunny VEE
Project Address: 54 W. LINCOLN
DELAWARE, OH 43015

Project Number: 21364
Date of Sample Collection: Jan 4, 2022
Designated Laboratory: Eurofins-CEI

Sample ID	Material Description	Condition	Location/Room	Notes
1-A	Finish Coat Plaster		First Floor Old Home	
1-B	"			
1-C	"			
2-A	Base Coat Plaster		First Floor Old Home	
2-B	"			
2-C	"			
3-A	Drywall & J.C		First Floor Home & Addition	
3-B	"			
3-C	"			
4-A	12x12 Ceiling tile		First Floor Reception Office	
4-B	"			
4-C	"			
5-A	2x4 ceiling tile		First Floor Rear Hall & Addition	
5-B	"			
5-C	"			
6-A	12x12 White Floor tile		Kitchen/Dining Room Restroom Hall First Fl.	
6-B	"			
6-C	"			
7-A	Black Mastic for 6-A		"	Also Lower Level of tile 2nd Fl.
7-B	" 6-B			
7-C	" 6-C			

21

Special Instructions:

Ohio Asbestos Hazard Evaluation Specialists	Certification Nos.
David G. Foust	ES33249
John M. Ulicny	ES32790

B220265

FOUST
ENGINEERING, INC.

BULK ASBESTOS SAMPLE LOG

Project Number: _____

Project Name: _____

Project Address: _____

_____

_____

Date of Sample Collection: _____

Designated Laboratory: Eurofins-CEI

Sample ID	Material Description	Condition	Location/Room	Notes
8-A	Linoleum under wood		First Floor Front 5E Rooms	
8-B/x				
9-A	12x12 Red Floor tile		2nd Floor Front Hall	
9-B	"			
9-C	"			
10-A	Black mastic for 9-A		2nd Floor Front Hall	
10-B	9-B			
10-C	9-C			
11-A	12x12 white Floor tile		2nd Floor Rooms	
11-B	"			
11-C	"			
12-A	Yellow mastic for 11-A			
12-B	" 11-B			
12-C	" 11-C			
13-A	Cornice Plaster		o/L House - All	
13-B	"			
13-C	"			
14-A	Finish coat Plaster		2nd Floor	
14-B	"			
14-C	"			

42

Special Instructions: _____

Ohio Asbestos Hazard Evaluation Specialists	Certification Nos.
David G. Foust	ES33249
John M. Ulicny	ES32790

B220265

FOUST
ENGINEERING, INC.

BULK ASBESTOS SAMPLE LOG

Project Name: _____

Project Address: _____

_____

_____

Project Number: _____

Date of Sample Collection: _____

Designated Laboratory: Eurofins-CEI

Sample ID	Material Description	Condition	Location/Room	Notes
15-A	Base Coat Plaster		2nd Floor	
15-B	"			
15-C	"			
16-A	Window Glazing		Ofc. Wood Window	
16-B	"			
16-C	"			
17-A	Drywall & J.C.		STAIRWELL to Third Floor	
17-B	"		& 2nd Flr. - Closet	
~~17-C~~				
18-A	Finish Plaster		Third Fl	
18-B	"			
18-C	"			
19-A	Base Coat Plaster		Third Fl.	
19-B	"			
19-C	"			
20-A	w Lite 12x12 Floor Tile		Basement	
20-B	"			
20-C	"			
21-A	Mastic For 20-A			
21-B	20-B			
21-C	20-C			

Special Instructions: _____

Ohio Asbestos Hazard Evaluation Specialists	Certification Nos.
David G. Foust	ES33249
John M. Ulicny	ES32790

B22026

FOUST
ENGINEERING, INC.

BULK ASBESTOS SAMPLE LOG

Project Name: _____

Project Address: _____

Project Number: _____

Date of Sample Collection: _____

Designated Laboratory: Eurofins-CEI

Sample ID	Material Description	Condition	Location/Room	Notes
22-A	9x9 red floor tile		Basement	
22-B	"			
22-C	"			
23-A	mastic for 22-A			
23-B	22-B			
23-C	22-C			
24-A	Finish coat Plaster		Basement Ceiling (Part)	
24-B	"			
24-C	"			
25-A	Rock Lath		Basement Ceiling (Part)	
25-B	"			
25-C	"			
26-A	Pipe Insulation		Basement	
26-B	"			
26-C	"			
27-A	Joint/Elbow Insulation		Basement	
27-B	"			
27-C	"			

Special Instructions: _____

Ohio Asbestos Hazard Evaluation Specialists	Certification Nos.
David G. Foust	ES33249
John M. Ulicny	ES32790

Ohio Environmental Protection Agency

Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

3/1/2021

David Foust
Foust Engineering
45 Lake St
Delaware, OH 43015

RE: Evaluation Specialist
Certification Number: ES33249
Expiration Date: 2/24/2022

Dear David Foust:

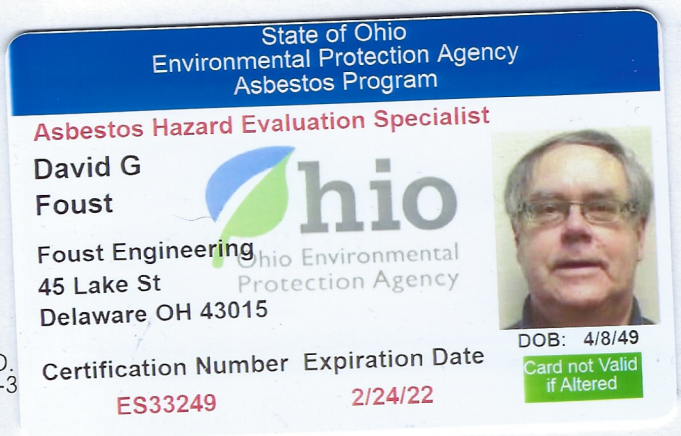
This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at asbestoslicensing@epa.ohio.gov.

Sincerely,

Joshua S. Koch
Manager, Business Operations Support Section
Ohio EPA - Division of Air Pollution Control



Ohio Environmental Protection Agency

Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

3/1/2021

John Ulicny
145 Seatrain Drive
Delaware, OH 43015

RE: Evaluation Specialist
Certification Number: ES32790
Expiration Date: 2/25/2022

Dear John Ulicny:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at asbestoslicensing@epa.ohio.gov.

Sincerely,

Joshua S. Koch
Manager, Business Operations Support Section
Ohio EPA - Division of Air Pollution Control


State of Ohio
Environmental Protection Agency
Asbestos Program

Asbestos Hazard Evaluation Specialist

John M
Ulicny

Ohio Environmental Protection Agency

145 Seatrain Drive
Delaware OH 43015

DOB: 1/9/71

Card not Valid if Altered

Certification Number ES32790

Expiration Date 2/25/22

700 • P.O. Box 1049 • Columbus, OH 43216-1049
(614) 644-3020 • (614) 644-3184 (fax)

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 18, 2021

Tianbao Bai
Eurofins CEI, Inc.
730 SE Maynard Road
Cary, NC 27511

NVLAP Lab Code: 101768-0

Dear Dr. Bai,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until March 31, 2022, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.8. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Derek Ho, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; 301-975-4023.

Sincerely,

Dana S. Leaman, Chief
National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101768-0

Eurofins CEI, Inc.

Cary, NC

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2021-04-01 through 2022-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins CEI, Inc.
730 SE Maynard Road
Cary, NC 27511
Dr. Tianbao Bai
Phone: 919-481-1413 Fax: 919-481-1442
Email: tianbaobai@eurofinsus.com
http://www.eurofinsus.com/CEI

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 101768-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

APPENDIX C
PHOTOGRAPHS

Photograph No. 1

Date: Jan 4, 2022

Comments:

Overview of the original home section of the building.

Photograph No. 2

Date: Jan 4, 2022

Comments:

A one-story nursing home addition has been constructed to the north and west of the original home.

Photograph No. 3

Date: Jan 4, 2022

Comments:

Insulation remains on some of the heating piping in the basement.

Photograph No. 4

Date: Jan 4, 2022

Comments:

The ceiling of the basement beneath the original home includes a cementitious board with a plaster-like coating.

Photograph No. 5

Date: Jan 4, 2022

Comments:

9"x9" red floor tiles are located in multiple rooms in the basement.

Photograph No. 6

Date: Jan 4, 2022

Comments:

12"x12" white floor tile is located in the basement hallway.

Photograph No. 7

Date: Jan 4, 2022

Comments:

Overview of the boiler room which appears to have had all piping insulation removed.

Photograph No. 8

Date: Jan 4, 2022

Comments:

12"x12" fiberboard ceiling tiles were found on the first floor adjacent to the kitchen.

Photograph No. 9

Date: Jan 4, 2022

Comments:

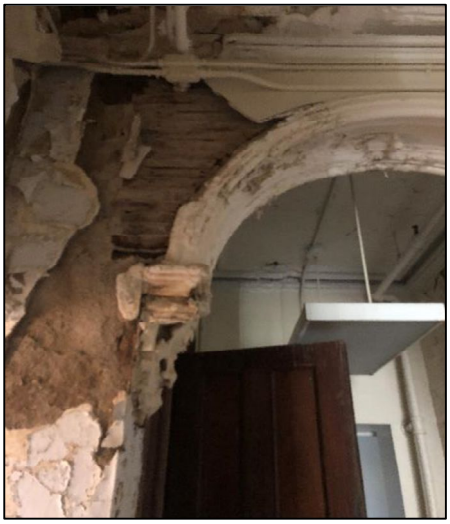
Typical first floor addition materials with water damaged lay-in ceiling tile, 12"x12" floor tile, and drywall.

Photograph No. 10

Date: Jan 4, 2022

Comments:

White floor tile on the first floor.



Photograph No. 11

Date: Jan 4, 2022

Comments:

Second floor of the original home with old plaster over wood lath and decorative plaster moldings.

Photograph No. 12

Date: Jan 4, 2022

Comments:

Second floor with two layers of floor tile.

Photograph No. 13

Date: Jan 4, 2022

Comments:

Red floor tile at the front or south side of the second floor hallway.

Photograph No. 14

Date: Jan 4, 2022

Comments:

Typical third floor conditions with damaged plaster and wood floors.

Photograph No. 15

Date: Jan 4, 2022

Comments:

Drywall has been installed for partitions in various areas on the second and third floors.