

# HAZARDOUS MATERIALS SURVEY



NEWBERRY FAIRGROUNDS

2301 ADELAIDE STREET  
NEWBERRY, SOUTH CAROLINA 29108

ECS PROJECT NO. 49:24746

FOR: NEWBERRY COUNTY

DECEMBER 12, 2024





December 12, 2024

Ms. Crystal Waldrop  
Newberry County  
PO Box 156  
Courthouse House Annex 1309 College St.  
Newberry, South Carolina 29108  
cwaldrop@newberrycounty.gov

ECS Project No. 49:24746

Reference: Hazardous Materials Survey, Newberry Fairgrounds, 2301 Adelaide Street, Newberry, South Carolina

Dear Ms. Waldrop:

ECS Southeast, LLC (ECS) is pleased to provide Newberry County with the results of the above referenced Hazardous Materials Survey performed at the Newberry Fairgrounds located at 2301 Adelaide Street in Newberry, South Carolina. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 49:48028P and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Newberry County with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Southeast, LLC

Matt Guthrie, CIE  
Environmental Project Manager  
mguthrie@ecslimited.com  
864-987-1610

Lindsey Thompson, REM  
Environmental Principal  
lthompson@ecslimited.com  
864-987-1810

## EXECUTIVE SUMMARY

The property is developed with two barns and a carport structure located at 2301 Adelaide Street in Newberry, Newberry County, South Carolina. Based on the information available, the buildings comprise approximately 12,820 square feet of space and the date of construction is unknown. ECS was requested to conduct an asbestos and lead paint survey of these structures prior to renovation/demolition activities.

The purpose of the survey was to determine whether asbestos-containing materials (ACMs) and lead-containing paint (LCP), are present on the subject property. The survey was performed within interior and exterior areas of the subject buildings as well as the roofs.

### Asbestos Survey

On December 5, 2024, Mr. Matt Guthrie, CIE, a state-certified inspector, performed the asbestos assessment. Bulk samples were submitted to Eurofins CEI (CEI) in Fort Mill, South Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with the current EPA-600 methodology and Transmission Electron Microscopy using the Chatfield Method.

A total of 27 bulk samples from nine homogeneous areas were submitted to the laboratory, of which 36 layers were analyzed. Based on the laboratory analysis of the bulk samples collected during the survey, none of the materials were reported to contain asbestos.

Due to inaccessibility or the destructive means that asbestos sampling requires, unseen ACMs may remain within the building hidden behind inaccessible areas, which include, but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities.

If suspect materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or be sampled immediately upon discovery and prior to disturbance for asbestos content by an accredited or certified asbestos inspector in accordance with 29 Code of Federal Regulations (CFR) 1926.1101.

### Lead Paint Survey

The lead paint assessment was conducted by collection of paint chip samples from suspect lead paint materials. The paint chip samples were submitted to a laboratory that participates in the American Industrial Hygiene Association (AIHA) Environmental Lead Proficiency Analytical Testing (ELPAT) Programs for analysis of lead concentration (percent by weight) using Flame Atomic Absorption Spectroscopy.

Based on the laboratory analysis of the paint chips collected during the survey, the following building components were reported as lead-containing paint:

- White paint on concrete exterior trim - South Barn
- Red paint on brick interior walls - South Barn
- White paint on concrete exterior trim - North Barn

Paint and surface coatings that contain detectable concentrations of lead are considered "lead-containing paints." Since OSHA has no specific action level for lead in paint, all paint on the site found to have a measurable concentration of lead should be assumed to be lead-containing. Work performed that may disturb lead-containing paint is regulated under OSHA, as referenced under 29 CFR 1926.62.

Recommendations regarding the removal and disposal of the LCP identified by ECS can be found in Section 5.0 of this report.

The executive summary is an integral portion of this report, however, ECS recommends the report be read in its entirety.

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## 1.0 SITE DESCRIPTION

The property is developed with two barns and a carport structure located at 2301 Adelaide Street in Newberry, Newberry County, South Carolina. Based on the information available, the buildings comprise approximately 12,820 square feet of space and the date of construction is unknown. ECS was requested to conduct an asbestos and lead paint survey of these structures prior to renovation/demolition activities.

The carport/training center is constructed with wood support posts, metal siding, and a metal roof. The interior of the training center is finished with acoustic ceiling tiles, drywall walls, and vinyl plank flooring. The roof deck for the structure has fiberglass insulation installed.

The north and south barns have granite and wood siding exteriors with metal roofs and are finished with brick and wood panel walls on the interiors.

## 2.0 PURPOSE

The purpose of the Hazardous Materials Survey was to identify asbestos-containing materials (ACMs) and lead-containing paints (LCPs) which require special handling and/or disposal if disturbed during construction activities. The identification of ACMs require trained labor, regulated work practices, and special disposal. The identification of LCP or other lead hazards requires disclosure to contractors and monitoring of lead exposure.

## 3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of ACMs and LCPs.

### 3.1 Asbestos-Containing Materials

The asbestos survey was performed by Mr. Matt Guthrie, CIE (SC Asbestos Inspector No. BI-001939) on December 5, 2024. The survey consisted of observing the accessible areas of the buildings for the presence of suspect materials that may contain asbestos. The survey involved detecting both friable materials (materials that can be pulverized or reduced to a powder by hand pressure when dry) and non-friable materials (materials that pose a hazard when sawn, sanded, drilled, or pulverized). Homogeneous materials (based on material type, color, texture, etc.) were identified during the survey.

The EPA National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires a survey for asbestos before renovation or demolition. Demolition is defined under NESHAP as the removal of a load-bearing structural member, and renovation is an action that disturbs building materials. Based on requirements under NESHAP and the South Carolina Department of Environmental Services (SCDES) for renovation or demolition activities, ECS conducted a limited survey for potential ACM. The ACM survey was limited in that we did not conduct demolition, such as jack/sledgehammering, to expose potentially concealed materials. Samples were collected in general accordance with Environmental Protection Agency (EPA) Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA), and Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.1101 Inspection Protocol.



Representative bulk samples were collected, placed in sealed packages, and submitted to CEI for analysis using the EPA-recommended method of Polarized Light Microscopy (PLM) coupled with dispersion staining (Method No. EPA 600/R-93/116). CEI participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Their NVLAP accreditation number is 600323-0. Several of the samples were layered and analyzed as multiple samples. EPA regulations require collecting multiple samples of each homogeneous area for laboratory analysis. The material type, sample location, and analytical results of each bulk sample are also summarized in the attached Asbestos Bulk Analysis report in **Appendices**.

Samples were analyzed using the "Positive Stop" methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples are not analyzed. If one sample of a material from a homogeneous area was reported to contain greater than 1% asbestos, then by EPA definition, it was characterized as asbestos-containing material. If samples of non-friable organically bound (NOB) materials were collected and reported by the laboratory to contain less than 1% asbestos by PLM, these materials were re-analyzed in accordance with SCDES requirements for NOBs by transmission electron microscopy (TEM) using the Chatfield method.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub-grade materials) and were not surveyed for suspect ACMs.

### **3.2 Lead in Paint and Surface Coatings**

ECS completed a lead paint screening within the building as part of our assessment activities. The collection of representative paint chip samples was performed throughout the buildings. Samples collected were containerized, labeled, and transported to CEI. Each of the paint chip samples was subsequently analyzed for the presence of lead reported in percent lead by weight via EPA Method SW 846, 7000B (Flame AAS). The chain-of-custody, which includes sample numbers and sample locations, is included in an Appendix of this report.

## **4.0 RESULTS**

The following is a summary of laboratory results, findings and observations.

### **4.1 Asbestos Sampling**

In total, 27 bulk samples from nine homogeneous areas were submitted to the laboratory, of which 36 layers were analyzed.

An ACM is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. The U.S. EPA categorizes ACM as follows:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM include packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.

- Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

CEI submitted a signed final laboratory report to ECS on December 11, 2024. None of the bulk samples submitted for analysis were reported to contain asbestos in detectable concentrations. A complete list of the sampled materials submitted for analysis and sample locations are included below. Photographs of representative building materials are located in Appendix II of this report.

### Asbestos Bulk Sample Locations and Analysis Results

Sample ID	Material Location	Material Description	Analytical Results	Category	Estimated Quantity
<b>Training Center/Carport</b>					
CT1-1, 2, 3	Classroom	2' x 2' Pinhole Fissure Ceiling Tiles	None Detected	Not Applicable	590 Square Feet (SF)
CB1-1, 2, 3	Classroom	4" Black Cove Base and Mastic	None Detected	Not Applicable	60 Linear Feet
DW1-1, 2, 3	Classroom	Drywall and Joint Compound	None Detected	Not Applicable	700 SF
FT1-1, 2, 3	Classroom	LVP and Mastic	None Detected	Not Applicable	710 SF
C1-1, 2, 3	Slab	Concrete	None Detected	Not Applicable	5,900 SF
<b>South Barn</b>					
C2-1, 2, 3	Slab	Concrete	None Detected	Not Applicable	12,000 SF
GM1-1, 2, 3	Exterior Lower Façade	Granite Mortar	None Detected	Not Applicable	2,500 SF
<b>North Barn</b>					
C3-1, 2, 3	Slab	Concrete	None Detected	Not Applicable	12,000 SF

Sample ID	Material Location	Material Description	Analytical Results	Category	Estimated Quantity
GM2-1, 2, 3	Exterior Lower Façade	Granite Mortar	None Detected	Not Applicable	2,500 SF

The approximate quantities provided above are for informational purposes only and should not be used for bidding purposes. ECS does not warranty or guarantee the estimated quantities provided. The contractors bidding on work should visit the site before bidding to field verify the estimated quantities to become familiar with the site conditions and address any technical or engineering considerations in their bids or estimates.

#### 4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas were deemed inaccessible and were not assessed.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

#### 4.3 Lead in Paint and Surface Coatings

Paint and surface coatings that contain detectable concentrations of lead are considered to be "lead-containing paints" (LCP). Because OSHA has no specific action level for lead in paint, all paint on the site found to have measurable lead concentrations lead should be assumed to be lead-containing. Work performed that may disturb lead-containing paint is regulated under OSHA as referenced under 29 CFR 1926.62.

#### Summary Paint Chip Sampling Results

Sample ID	Color	Substrate	Component	% Lead by Weight
<b>Training Center/Carport</b>				
L1	White	Drywall	Walls	<0.00606
<b>South Barn</b>				
L2	Red	Wood	Siding	<0.00622
L3	White	Concrete	Exterior Trim	<b>0.0352</b>

Sample ID	Color	Substrate	Component	% Lead by Weight
L4	Red	Brick	Interior Walls	<b>0.0215</b>
L5	White	Wood	Walls	<0.00595
L6	Red	Wood	Walls	<0.00612
L7	Red	Metal	Door	<0.00592
L8	White	Wood	Door/Porch	<0.00611
<b>North Barn</b>				
L9	Red	Wood	Siding	<0.00608
L10	White	Concrete	Exterior Trim	<b>0.0439</b>
<b>Bold</b> indicates LCP				

## 5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the Hazardous Materials Survey, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

### 5.1 Asbestos-Containing Materials

None of the bulk samples submitted to Eurofins CEI were reported to contain detectable concentrations of asbestos. If additional suspect asbestos-containing materials are uncovered which were not accessible during this sampling event, it is recommended that these materials be sampled or tested immediately upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

### 5.2 Lead in Paint and Surface Coatings

Based on the findings of the lead survey, detectable concentrations of lead were identified on some paints and surface coatings.

The presence of lead is a concern primarily when conditions exist where it may be inhaled or ingested. Regardless of the analytical results of a material, all painted and/or glazed surfaces may still contain concentrations of lead in the paint, which when disturbed, may generate lead dust greater than the Permissible Exposure Limit (PEL) of 50 micrograms per cubic meter (ug/m<sup>3</sup>) as an 8-hour Time Weighted Average (TWA) established by the OSHA "Lead Exposure in Construction Rule (29 CFR 1926.62)."

The OSHA standard gives no guidance on acceptable levels of lead in paint at which no exposure to airborne lead (above the action level) would be expected. Rather, OSHA defines airborne concentrations, and references specific types of work practices and operations from which a lead hazard may be generated (reference 29 CFR 1926.62, section d). Environmental and personnel monitoring should be conducted during any removal/demolition process (as appropriate) to verify

that actual personal exposures are below the Permissible Exposure Limit (PEL) of 50 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) as an 8-hour Time Weighted Average (TWA). Under OSHA requirements, the contractor performing renovation work will be required to conduct this monitoring and follow applicable requirements under 29 CFR 1926.62 if disturbing lead-containing paint.

## 6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

During this study, samples were submitted for analysis at an accredited laboratory via polarized light microscopy. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No warranty, expressed or implied, is made.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

# **Appendix I: Figures**



Figure 1

Site Location Map  
Newberry Fairgrounds  
2301 Adelaide Street  
Newberry, South Carolina  
ECS Project No. 49-24746






Source: Google Earth



Figure 2

**Carport/Training Center  
Sample Locations**  
Newberry Fairgrounds  
2301 Adelaide Street  
Newberry, South Carolina  
ECS Project No. 49-24746

**LEGEND**

- XX-XX Sample Location
-  Lead Containing
-  ACM / Lead Based
-  No Lead or Asbestos Detected

**NOTES:**

- Not to scale
- Samples color coded

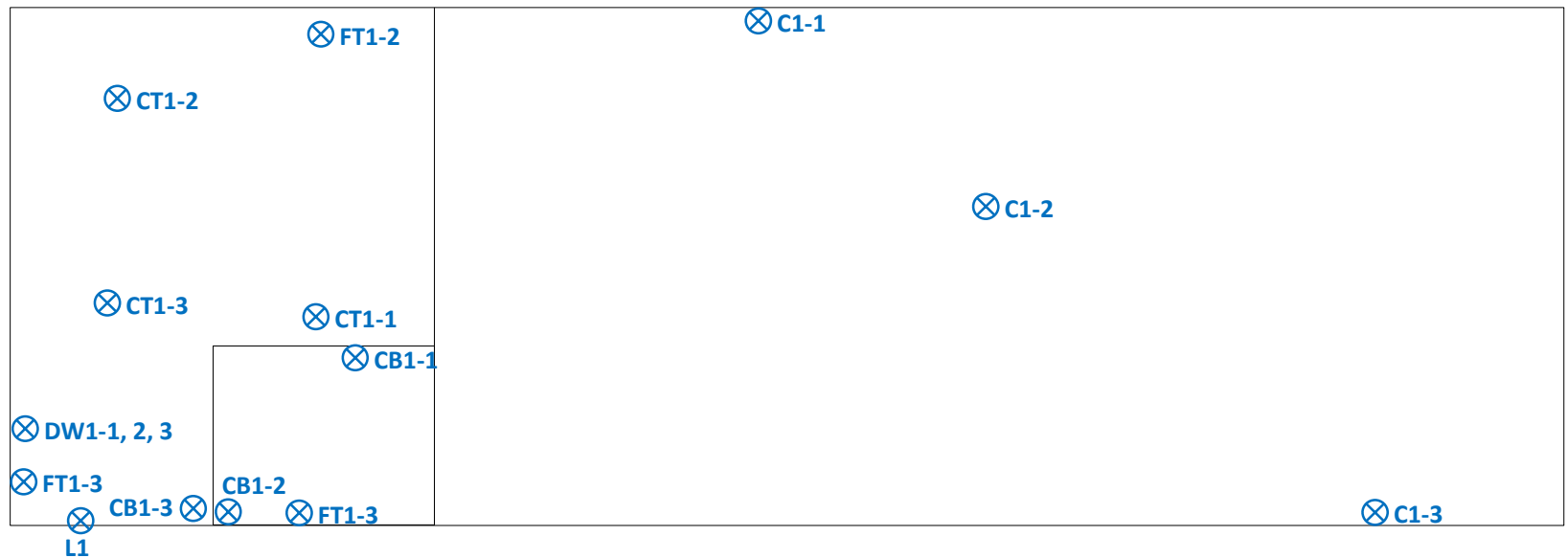







Figure 3

South Barn Sample Locations  
Newberry Fairgrounds  
2301 Adelaide Street  
Newberry, South Carolina  
ECS Project No. 49-24746

**LEGEND**

- XX-XX Sample Location
-  Lead Containing
-  ACM / Lead Based
-  No Lead or Asbestos Detected

**NOTES:**

- Not to scale
- Samples color coded

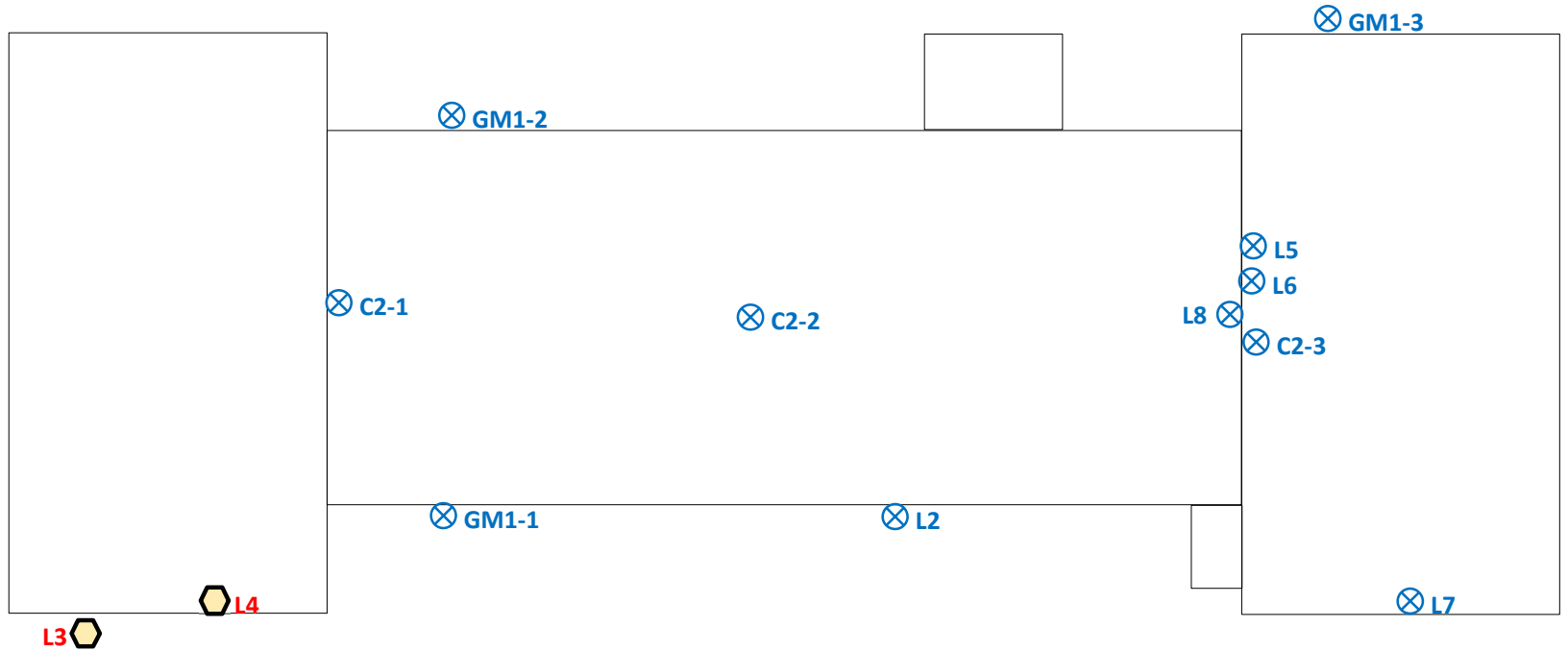







Figure 4

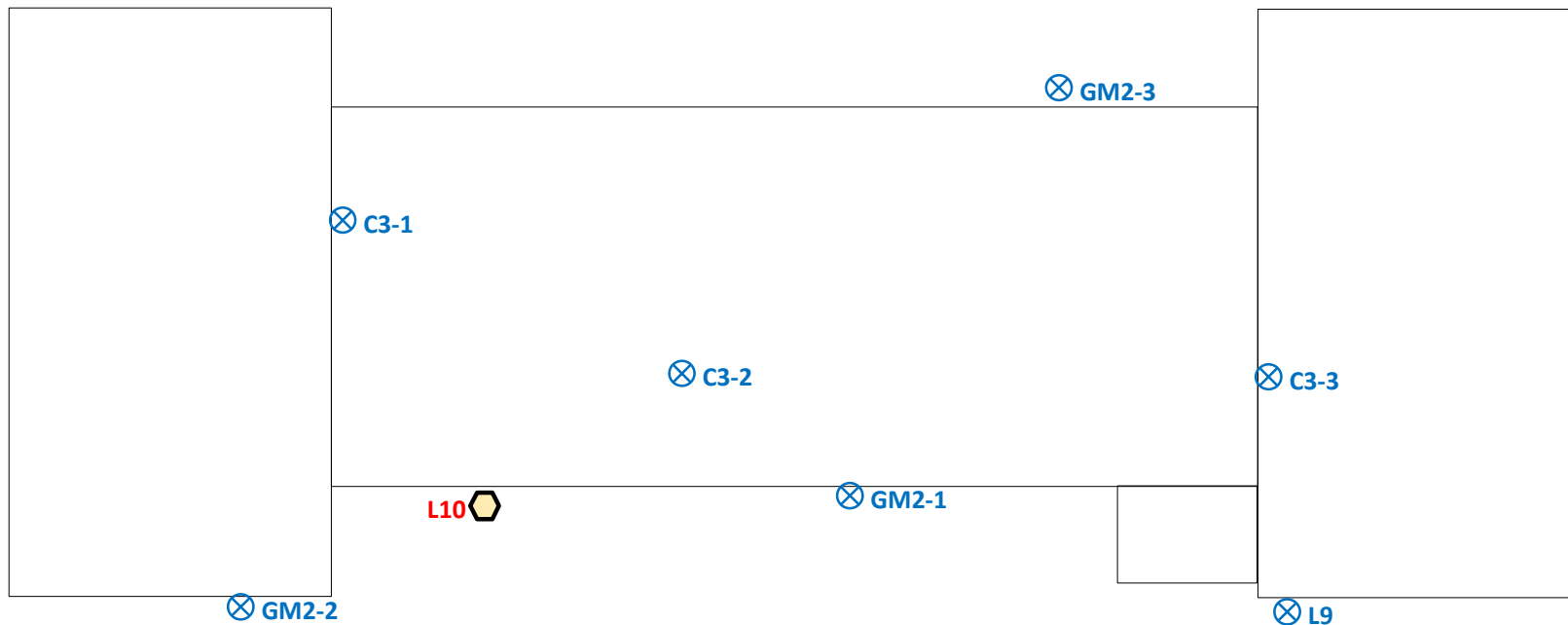
**North Barn Sample Locations**  
Newberry Fairgrounds  
2301 Adelaide Street  
Newberry, South Carolina  
ECS Project No. 49-24746

**LEGEND**

- XX-XX Sample Location
-  Lead Containing
-  ACM / Lead Based
-  No Lead or Asbestos Detected

**NOTES:**

Not to scale  
Samples color coded



# **Appendix II: Site Photographs**



1 - View of Carport/Training Center



2 - View of Training Center Classroom



3 - View of Carport Area



4 - View of South Barn



5 - White LCP on Concrete Trim of South Barn



6 - Red LCP on Interior Brick Walls in South Barn



7 - South Barn Interior



8 - South Barn Interior



9 - South Barn Interior



10 - View of North Barn



11 - White LCP on Concrete Trim of North Barn



12 - North Barn Interior



13 - North Barn Interior

# **Appendix III: Asbestos Bulk Sample Results**

December 11, 2024

ECS Southeast, LLC  
1200 Woodruff Road, Ste. H-12  
Greenville, SC 29607

**CLIENT PROJECT:** 49-24745 Matt Guthrie  
**CEI LAB CODE:** SA243795

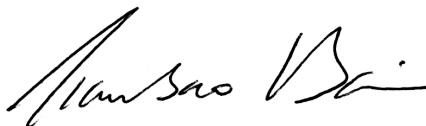
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on December 6, 2024. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600/R-93/116: *Method for the Determination of Asbestos in Bulk Building Materials* and EPA 40 CFR Appendix E to Subpart E of Part 763: *Interim Method of the Determination of Asbestos in Bulk Insulation Samples*.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600/R-93/116 Method and EPA 40 CFR Appendix E to Subpart E of Part 763 is <1% asbestos 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



CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**ECS Southeast, LLC**

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CLIENT PROJECT: 49-24745 Matt Guthrie

LAB CODE: SA243795

TEST METHOD: EPA 600 / R-93 / 116 and EPA 40 CFR Appendix E to  
Subpart E of Part 763

REPORT DATE: 12/11/24

TOTAL SAMPLES ANALYZED: 25

# SAMPLES >1% ASBESTOS:



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 49-24745 Matt Guthrie

LAB CODE: SA243795

**METHOD: EPA 600 / R-93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763**

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
CT1-1		SA243795.01	White,Tan	Ceiling Tile	None Detected
CT1-2		SA243795.02	White,Tan	Ceiling Tile	None Detected
CT1-3		SA243795.03	White,Tan	Ceiling Tile	None Detected
CB1-1		SA243795.04A	Black	Covebase	None Detected
		SA243795.04B	Tan	Mastic	None Detected
CB1-2		SA243795.05A	Black	Covebase	None Detected
		SA243795.05B	Tan	Mastic	None Detected
CB1-3		SA243795.06A		Sample Submitted for TEM Analysis	
		SA243795.06B		Sample Submitted for TEM Analysis	
DW1-1	Layer 1	SA243795.07	White	Joint Compound	None Detected
	Layer 2	SA243795.07	Off-white	Drywall	None Detected
DW1-2	Layer 1	SA243795.08	White	Joint Compound	None Detected
	Layer 2	SA243795.08	Off-white,Tan	Drywall	None Detected
DW1-3	Layer 1	SA243795.09	White	Joint Compound	None Detected
	Layer 2	SA243795.09	Off-white,Tan	Drywall	None Detected
FT1-1		SA243795.10A	Gray	Lvp	None Detected
		SA243795.10B	Tan	Mastic	None Detected
FT1-2		SA243795.11A	Gray	Lvp	None Detected
		SA243795.11B	Tan	Mastic	None Detected
FT1-3		SA243795.12A		Sample Submitted for TEM Analysis	
		SA243795.12B		Sample Submitted for TEM Analysis	
C1-1		SA243795.13	Gray	Concrete	None Detected
C1-2		SA243795.14	Gray	Concrete	None Detected
C1-3		SA243795.15	Gray	Concrete	None Detected
C2-1		SA243795.16	Gray	Concrete	None Detected
C2-2		SA243795.17	Gray	Concrete	None Detected
C2-3		SA243795.18	Gray	Concrete	None Detected
GM1-1		SA243795.19	Tan,Gray	Mortar	None Detected



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** 49-24745 Matt Guthrie

**LAB CODE:** SA243795

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**METHOD:** EPA 600 / R-93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
GM1-2		SA243795.20	Tan,Gray	Mortar	None Detected
GM1-3		SA243795.21	Tan,Gray	Mortar	None Detected
C3-1		SA243795.22	Tan,Gray	Concrete	None Detected
C3-2		SA243795.23	Tan,Gray	Concrete	None Detected
C3-3		SA243795.24	Tan,Gray	Concrete	None Detected
GM2-1		SA243795.25	Tan	Mortar	None Detected
GM2-2		SA243795.26	Tan	Mortar	None Detected
GM2-3		SA243795.27	Tan	Mortar	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** ECS Southeast, LLC  
 1200 Woodruff Road, Ste. H-12  
 Greenville, SC 29607

**Lab Code:** SA243795  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24745 Matt Guthrie

## ASBESTOS BULK PLM, EPA 600/R-93/116 METHOD and EPA 40 CFR Appendix E Subpart E to Part 763

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>CT1-1</b> SA243795.01	Ceiling Tile	Heterogeneous	60%	Cellulose	15%	Perlite	None Detected
		White, Tan	15%	Fiberglass	5%	Paint	
		Fibrous	5%	Mineral Wool			
		Loosely Bound					
<b>CT1-2</b> SA243795.02	Ceiling Tile	Heterogeneous	60%	Cellulose	20%	Perlite	None Detected
		White, Tan	15%	Fiberglass	<1%	Paint	
		Fibrous	5%	Mineral Wool			
		Loosely Bound					
<b>CT1-3</b> SA243795.03	Ceiling Tile	Heterogeneous	60%	Cellulose	15%	Perlite	None Detected
		White, Tan	15%	Fiberglass	5%	Paint	
		Fibrous	5%	Mineral Wool			
		Loosely Bound					
<b>CB1-1</b> SA243795.04A	Covebase	Homogeneous			100%	Vinyl	None Detected
		Black Non-fibrous Bound					
SA243795.04B Mastic		Homogeneous			100%	Mastic	None Detected
		Tan Non-fibrous Bound					
<b>CB1-2</b> SA243795.05A	Covebase	Homogeneous			100%	Vinyl	None Detected
		Black Non-fibrous Bound					
SA243795.05B Mastic		Homogeneous			100%	Mastic	None Detected
		Tan Non-fibrous Bound					
<b>CB1-3</b> SA243795.06A	Sample Submitted for TEM Analysis						

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** ECS Southeast, LLC  
 1200 Woodruff Road, Ste. H-12  
 Greenville, SC 29607

**Lab Code:** SA243795  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24745 Matt Guthrie

**ASBESTOS BULK PLM, EPA 600/R-93/116 METHOD and EPA 40 CFR Appendix E Subpart E to Part 763**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
SA243795.06B Sample Submitted for TEM Analysis					
<b>DW1-1</b> Layer 1 SA243795.07	Joint Compound	Heterogeneous White Non-fibrous Bound	60%	Binder	None Detected
			35%	Calc Carb	
			5%	Paint	
Layer 2 SA243795.07	Drywall	Homogeneous Off-white Non-fibrous Bound	5%	Cellulose	95% Gypsum None Detected
<b>DW1-2</b> Layer 1 SA243795.08	Joint Compound	Heterogeneous White Non-fibrous Bound	60%	Binder	None Detected
			35%	Calc Carb	
			5%	Paint	
Layer 2 SA243795.08	Drywall	Heterogeneous Off-white, Tan Fibrous Bound	15%	Cellulose	85% Gypsum None Detected
<b>DW1-3</b> Layer 1 SA243795.09	Joint Compound	Heterogeneous White Non-fibrous Bound	60%	Binder	None Detected
			35%	Calc Carb	
			5%	Paint	
Layer 2 SA243795.09	Drywall	Heterogeneous Off-white, Tan Fibrous Bound	15%	Cellulose	85% Gypsum None Detected
<b>FT1-1</b> SA243795.10A	Lvp	Homogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** ECS Southeast, LLC  
 1200 Woodruff Road, Ste. H-12  
 Greenville, SC 29607

**Lab Code:** SA243795  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24745 Matt Guthrie

**ASBESTOS BULK PLM, EPA 600/R-93/116 METHOD and EPA 40 CFR Appendix E Subpart E to Part 763**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
SA243795.10B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>FT1-2</b> SA243795.11A	Lvp	Homogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
SA243795.11B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>FT1-3</b> SA243795.12A	Sample Submitted for TEM Analysis				
SA243795.12B	Sample Submitted for TEM Analysis				
<b>C1-1</b> SA243795.13	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>C1-2</b> SA243795.14	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>C1-3</b> SA243795.15	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** ECS Southeast, LLC  
 1200 Woodruff Road, Ste. H-12  
 Greenville, SC 29607

**Lab Code:** SA243795  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24745 Matt Guthrie

**ASBESTOS BULK PLM, EPA 600/R-93/116 METHOD and EPA 40 CFR Appendix E Subpart E to Part 763**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>C2-1</b> SA243795.16	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>C2-2</b> SA243795.17	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>C2-3</b> SA243795.18	Concrete	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>GM1-1</b> SA243795.19	Mortar	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>GM1-2</b> SA243795.20	Mortar	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>GM1-3</b> SA243795.21	Mortar	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>C3-1</b> SA243795.22	Concrete	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Silicates Binder	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** ECS Southeast, LLC  
 1200 Woodruff Road, Ste. H-12  
 Greenville, SC 29607

**Lab Code:** SA243795  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24745 Matt Guthrie

**ASBESTOS BULK PLM, EPA 600/R-93/116 METHOD and EPA 40 CFR Appendix E Subpart E to Part 763**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
<b>C3-2</b> SA243795.23	Concrete	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Silicates Binder	None Detected
<b>C3-3</b> SA243795.24	Concrete	Homogeneous Tan, Gray Non-fibrous Bound	65% 35%	Silicates Binder	None Detected
<b>GM2-1</b> SA243795.25	Mortar	Homogeneous Tan Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>GM2-2</b> SA243795.26	Mortar	Homogeneous Tan Non-fibrous Bound	65% 35%	Binder Silicates	None Detected
<b>GM2-3</b> SA243795.27	Mortar	Homogeneous Tan Non-fibrous Bound	65% 35%	Binder Silicates	None Detected

---

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

---

**METHOD:** EPA 600 / R-93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

---

**REPORTING LIMIT FOR PLM:** 1% by calibrated visual estimation

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

---

**REGULATORY LIMIT:** >1%

---

Due to the limitations of the EPA 600/R-93/116 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:** \_\_\_\_\_

  
Olivia Gardner

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



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CEI

# ASBESTOS CHAIN OF CUSTODY

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708  
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code: SA243795
ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: <i>Matt Guthrie</i>
Company: <i>ECS Southeast</i>	Email / Tel: <i>Same</i>
Address: <i>1200 Woodcuff Rd Ste H-12</i>	Project Name: <i>49-24746 Matt Guthrie</i>
<i>Greenville, SC 29607</i>	Project ID#: <i>---</i>
Billing Email: <i>mguthrie@ecslimited.com</i>	PO #: <i>---</i>
Tel: <i>864-665-3010</i>	State of sample origin: <i>SC</i>

ECEI standard terms are Net 30 days

### 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/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV W POINT COUNT	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD / EPA 600/R-93/116 Sec. 2.5.5.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS: <i>Positive Step, run TEM Simultaneously w/ PLM</i>		<input checked="" type="checkbox"/> Accept Samples
		<input type="checkbox"/> Reject Samples
Relinquished By: <i>[Signature]</i>	Date/Time: <i>12/5/24 1415</i>	Received By: <i>[Signature]</i>
		Date/Time: <i>12/6/24 9:40am</i>

By submitting samples, you are agreeing to ECEI's Terms and Conditions.  
Samples will be disposed of 30 days after analysis



December 11, 2024

ECS Southeast, LLC  
1200 Woodruff Road, Ste. H-12  
Greenville, SC 29607

**CLIENT PROJECT:** 49-24746 Matt Guthrie  
**LAB CODE:** ST241517

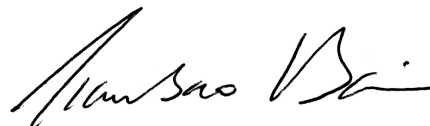
Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on December 6, 2024. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Transmission Electron Microscopy**

Prepared for

**ECS Southeast, LLC**

---

CLIENT PROJECT: 49-24746 Matt Guthrie

LAB CODE: ST241517

TEST METHOD: Bulk Chatfield  
EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 12/11/24



CEI

# ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** ECS Southeast, LLC  
1200 Woodruff Road, Ste. H-12  
Greenville, SC 29607

**Lab Code:** ST241517  
**Date Received:** 12-06-24  
**Date Analyzed:** 12-11-24  
**Date Reported:** 12-11-24

**Project:** 49-24746 Matt Guthrie

## TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
CB1-3 ST16865	4" Black Covebase	0.2434	34.1	65.2	.7	None Detected
CB1-3 ST16866	Mastic	0.1541	40.3	.3	59.4	None Detected
FT1-3 ST16867	LVP	0.20574	50.4	48.2	1.4	None Detected
FT1-3 ST16868	Mastic	0.0783	88.9	10.9	.2	None Detected

---

**LEGEND:** None

---

**METHOD:** CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

---

**LIMIT OF DETECTION:** Varies with the weight and constituents of the sample (<1%)

---

**REGULATORY LIMIT:** >1% by weight

---

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI (ECEI). ECEI 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. *Estimated measurement of uncertainty is available on request and in compliance with regulatory requirements.* Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ECEI recommends between 0.20 and 0.50 grams of sample material for TEM bulk analysis.

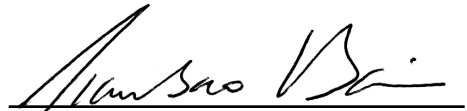
*Any weight below 0.10 grams is considered below protocol guidelines.*

*\*\*Indicates sample weight below 0.05 grams and is considered insufficient for quantitative analysis.*

**ANALYST:**

  
Raegan Brown

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



# ASBESTOS CHAIN OF CUSTODY

CEI

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708  
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code: <b>ST241517</b>
ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: <i>Math Guthrie</i>
Company: <i>ECS Southeast</i>	Email / Tel: <i>Same</i>
Address: <i>1200 Woodruff Rd Ste H-12 Greenville, SC 29607</i>	Project Name: <i>49-24746 Math Guthrie</i>
Billing Email: <i>mguthrie@ecsllc.com</i>	Project ID#: <i>---</i>
Tel: <i>864-665-3010</i>	PO #: <i>---</i>
	State of sample origin: <i>SC</i>

ECEI standard terms are Net 30 days

**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/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600/R-93/116	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR*	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD / EPA 600/R-93/116 Sec. 2.5.5.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS: <i>Positive Step, run TEM Simultaneously w/ PLM</i>		<input checked="" type="checkbox"/> Accept Samples
		<input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:
<i>[Signature]</i>	<i>12/5/24 1415</i>	<i>[Signature]</i>
		Date/Time
		<i>12/6/24 9:40am</i>

By submitting samples, you are agreeing to ECEI's Terms and Conditions.  
Samples will be disposed of 30 days after analysis



# **Appendix IV: Lead Laboratory Analytical Results**

# LABORATORY REPORT

## LEAD IN PAINT

**Client:** ECS Southeast, LLC  
1200 Woodruff Road, Ste. H-12  
Greenville, SC 29607

**Lab Code:** SL240608  
**Received:** 12-06-24  
**Analyzed:** 12-06-24  
**Reported:** 12-06-24

**Project:** 49-24746 Matt Guthrie


**METHOD:** EPA SW846 7000B

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
L1	SL05315	<60.6	<0.00606
L2 L04	SL05316	<62.2	<0.00622
L3	SL05317	352	0.0352
L4	SL05318	215	0.0215
L5	SL05319	<59.5	<0.00595
L6 L04	SL05320	<61.2	<0.00612
L7	SL05321	<59.2	<0.00592
L8 L04	SL05322	<61.1	<0.00611
L9 L04	SL05323	<60.8	<0.00608
L10	SL05324	439	0.0439

**METHOD: EPA SW846 7000B**

CLIENT ID	LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
-----------	--------	------------	------------------------------

Reviewed By:



Tianbao Bai, Ph.D.  
Laboratory Director

**This method has been validated for sample weights of 0.25g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.**

**\* The analysis of composite wipe samples as a single samples is not included under AIHA LAP, LLC accreditation.**

Minimum reporting limit is 13.7 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 13.7 µg total lead, based on a 50ml sample volume.

Lead samples are analyzed by Eurofins CEI, an AIHA LAP, LLC ELLAP accredited laboratory (AIHA Lab ID: LAP-290960) for lead analysis of air, soil, wipes, and paint samples.

Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, Eurofins CEI discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of Eurofins CEI. Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

**L01** - Insufficient sample weight

**L02** - Endcaps missing; possible cross contamination or sample loss

**L03** - Sample weight below protocol guidelines    **L04** - Sample contains substrate, potentially affecting results

**L05** - Sample weight below protocol guidelines and contains substrate, potentially affecting results

**REGULATORY LIMITS**

OSHA Standard: No safe limit.

Consumer Products Safety Standard: Greater than 0.009% lead by weight.

Federal Lead Standard / HUD: 0.5% lead by weight.

**LEGEND**

µg = microgram

ppm = parts per million

g = grams

ml = milliliter

Pb = lead

wt = weight

**End of Report**



CEI

METALS / LEAD  
CHAIN OF CUSTODY

10

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708  
Tel: 803-526-5146; Fax: 919-481-1442

LAB USE ONLY:
ECEI Lab Code: <i>S1740608</i>
ECEI Lab I.D. Range: <i>S105315-S105324</i>

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: <i>Math Guthrie</i>
Company: <i>ECS Southeast</i>	Email / Tel: <i>same</i>
Address: <i>120 Woodruff Rd Ste H-12</i>	Project Name: <i>49-24746 Math Guthrie</i>
<i>Greenville SC 29607</i>	Project ID# <i>---</i>
Billing Email: <i>mguthrie@ecslimited.com</i>	PO # <i>---</i>
Tel: <i>864-665-3010</i>	STATE SAMPLES COLLECTED IN: <i>SC</i>

ECEI standard terms are Net 30 days

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

Analyte	METHOD	TURN AROUND TIME				
		Same Day*	Next Day*	2 DAY	3 DAY	5 DAY
LEAD PAINT (Flame AA)	EPA SW846 7000B / 3rd Ed. 7420/3050B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE (Flame AA)	EPA SW846 7000B / 3rd Ed. 7420/3050B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL (Flame AA)	EPA SW846 7000B / 3rd Ed. 7420/3050B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR (Flame AA)	EPA SW846 7000B / NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD TCLP**	EPA SW846 7000B / 1311/3010A/7420	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RCRA 8 METALS**	EPA SW846 6010 C/D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RCRA 8 TCLP**	EPA SW846 6010 C/D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*SAME DAY AND NEXT DAY TURNS AVAILABLE UPON PRIOR NOTICE.

\*\*SAMPLES ARE SUBCONTRACTED FOR ANALYSIS TO AN ELLAP ACCREDITED LAB.

REMARKS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<i>12/15/20 1415</i>	<i>[Signature]</i>	<i>12/16/24 9:40am</i>

Samples will be disposed of 30 days after analysis  
By submitting samples, you are agreeing to ECEI's Terms and Conditions. Standard billing terms are NET 30



# **Appendix V: Certifications/ Licenses**



# SCDES ISSUED

Asbestos ID Card



**Matthew Guthrie**



**AIRSAMPLER**

**AS-000633**

**Expiration Date:**

**06/16/25**

**CONSULTBI**

**BI-001939**

**10/21/25**

**CONSULTPD**

**PD-000266**

**10/22/25**

**SUPERAHERA**

**SA-003419**

**06/16/25**