ASBESTOS AND LEAD PAINT SURVEY

1119 HARRINGTON STREET SITE

1119 HARRINGTON STREET
NEWBERRY, SOUTH CAROLINA 29108

ECS PROJECT NO. 49:24870

FOR: NEWBERRY COUNTY

JANUARY 16, 2025

January 16, 2025

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

ECS Project No. 49:24870

Reference: Asbestos and Lead Paint Survey, 1119 Harrington Street Site, 1119 Harrington Street, Newberry, South Carolina

Dear Ms. Waldrop:

ECS Southeast, LLC (ECS) is pleased to provide Newberry County with the results of the above referenced Asbestos and Lead Paint Survey performed at the 1119 Harrington Street Site located at 1119 Harrington 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 49:48288P 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 a single story commercial building located at 1119 Harrington Street in Newberry, Newberry County, South Carolina. Based on the information available, the building comprises approximately 500 square feet of space and the construction date is unknown. ECS understands that the building is scheduled for future renovations and was requested to conduct an asbestos and lead paint survey for the structure.

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 building as well as the roof.

Asbestos Survey

On January 3, 2025, 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 (TEM) using the Chatfield Method.

A total of 29 bulk samples from nine homogeneous areas were submitted to the laboratory, of which 35 layers were analyzed. Based on the laboratory analysis of the bulk samples collected during the survey, four of the materials were reported to contain asbestos.

The following materials were reported to be asbestos-containing:

- Exterior Door and Window Caulk
- Roof Parapet Tar and Silver Coating
- Roof Flashing

A trace amount of asbestos (≤1%) was detected in the bulk sample of black floor mastic analyzed by the laboratory. Although materials that contain trace amounts of asbestos are not subject to U.S. EPA or South Carolina regulations for the handling and disposal of asbestos, OSHA still regulates any work which will disturb materials identified with trace amounts of asbestos (reference the November 24, 2003 OSHA Interpretation document - Compliance Requirements For Renovation Work Involving Materials Containing Less Than 1% Asbestos). Therefore, any Contractors disturbing these materials will need to comply with components of 29 CFR 1926.1101, as detailed in the 2003 OSHA Interpretation document.

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:

- Black Paint on the Concrete Floor
- White Paint on Interior Wood Trim
- White Paint on Exterior Brick Walls
- White Paint on Exterior Door and Window Wood Trim
- Silver Paint on Roof Tar

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 ACMs and LCPs 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 a single story commercial building located at 1119 Harrington Street in Newberry, Newberry County, South Carolina. Based on the information available, the building comprises approximately 500 square feet of space and the construction date is unknown. ECS understands that the building is scheduled for future renovations and was requested to conduct an asbestos and lead paint survey for the structure.

The building is constructed with a painted brick exterior and a built-up roof. The interior is finished with spline ceiling tiles, wood panel, drywall, and concrete walls, and carpet and painted concrete floors.

2.0 PURPOSE

The purpose of the Asbestos and Lead Paint Survey was to identify asbestos-containing materials (ACMs) and lead-containing paint (LCP) 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 January 3, 2025. The survey consisted of observing the accessible areas of the building 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 building. 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, 29 bulk samples from nine homogeneous areas were submitted to the laboratory, of which 35 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 January 9, 2025. Four of the materials 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
CT1-1, 2, 3	Ceiling	12" Spline Ceiling Tiles	None Detected (ND)	Not Applicable (NA)	480 Square Feet (SF)
DW1-1, 2, 3	Partition Wall	Drywall and Joint Compound	ND	NA	180 SF
C1-1, 2, 3	Exterior Doors and Windows	Tan Caulk	**3% Chrysotile**	Category I Non-Friable	100 Linear Feet (LF)
WG1-1, 2, 3	Exterior Windows	Window Glazing	ND	NA	100 LF
M1-1, 2, 3	Southwest Corner Floor, under Carpet on North Side	Black Mastic	<1% Chrysotile	NA	250 SF
T1-1, 2, 3	Roof Parapets	Silver Coating on Black Tar	**Silver Coating - 6.2% Chrysotile Black Tar - 1.4% Chrysotile**	Category I Non-Friable	76 LF
RF1-1, 2, 3	Roof Perimeter	Roof Flashing	**3.9% Chrysotile**	Category I Non-Friable	180 SF

Sample ID	Material Location	Material Description	Analytical Results	Category	Estimated Quantity
RM1-1, 2, 3	Roof	Built-Up Roofing	ND	NA	500 SF
SP1-1, 2, 3, 4, 5	Exterior Façade	Silver Paint	ND	NA	1,400 SF
Bold indicates ACM					

The approximate quantities of the identified ACMs 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 asbestos abatement should visit the site before bidding to field verify the actual quantity of ACM, become familiar with the site conditions, and address any technical or engineering considerations concerning asbestos removal in their bids or estimates. Any similar materials located on the property should also be assumed to contain asbestos unless tested and the laboratory analysis indicates that asbestos is not present.

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
L1	Gray	Concrete	Floor	<0.0040

Sample ID	Color	Substrate	Component	% Lead by Weight
L2	Black	Concrete	Floor	**0.062**
L3	White	Wood	Trim	**0.015**
L4	Green	Wood Panels	Wall	<0.012
L5	White	Concrete	Wall	<0.0050
L6	White	Drywall	Wall	<0.0043
L7	White	Brick	Exterior Wall	**0.0054**
L8	White	Wood	Exterior Trim	**0.72**
L9	White	Metal	Door	<0.0038
L10	Silver	Tar	Roof Parapet Tar	**0.0056**
Bold indicates LCP				

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

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

5.1 Asbestos-Containing Materials

ECS recommends where a material type has been identified as asbestos-containing that, other materials with similar color, texture, age, and size throughout the building's interior and exterior be assumed to contain asbestos. Please refer to Section 4.1 for a complete list of building materials reported positive for asbestos and Section 4.2 for materials assumed to contain asbestos. Identified ACMs must be removed, encapsulated, or enclosed before disturbance of the materials.

If ACMs are to be removed, an accredited asbestos abatement contractor should perform the removal. it is recommended that an industrial hygienist monitor the project. The industrial hygienist should evaluate if the asbestos abatement work is in accordance with project specifications, U.S. EPA regulation 40 CFR Part 61-NESHAP Subpart M: National Emission Standard for Asbestos, and OSHA regulation 29 CFR 1926.1101 – Asbestos in Construction. The industrial hygienist should assess each work area to verify the removal of ACMs. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected (if necessary).

Suspect ACMs not observed due to inaccessibility or not sampled due to the destructive means that sampling would require may also be encountered during construction activities. At the time of the survey, only limited destructive means were used to locate or sample suspect ACMs; therefore, additional suspect ACMs may remain within inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, exterior areas, sub-grade sealants, flooring

located below underlayments, vapor barriers, pipe trenches, and other subsurface utilities, etc. If additional suspect ACMs are uncovered which were not accessible during this survey, it is recommended that these materials either be assumed to contain asbestos or be sampled before disturbance upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

A trace amount of asbestos (≤1%) was detected in the bulk sample of black floor mastic analyzed by the laboratory. Although materials that contain trace amounts of asbestos are not subject to U.S. EPA or South Carolina regulations for the handling and disposal of asbestos, OSHA still regulates any work which will disturb materials identified with trace amounts of asbestos (reference the November 24, 2003 OSHA Interpretation document - Compliance Requirements For Renovation Work Involving Materials Containing Less Than 1% Asbestos). Therefore, any Contractors disturbing these materials will need to comply with components of 29 CFR 1926.1101, as detailed in the 2003 OSHA Interpretation document.

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/m3) 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 ($\mu g/m^3$) 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

Report Name

Figure 1

Site Overview

1119 Harrington Street
Newberry, South Carolina

ECS Project No. 49:24870

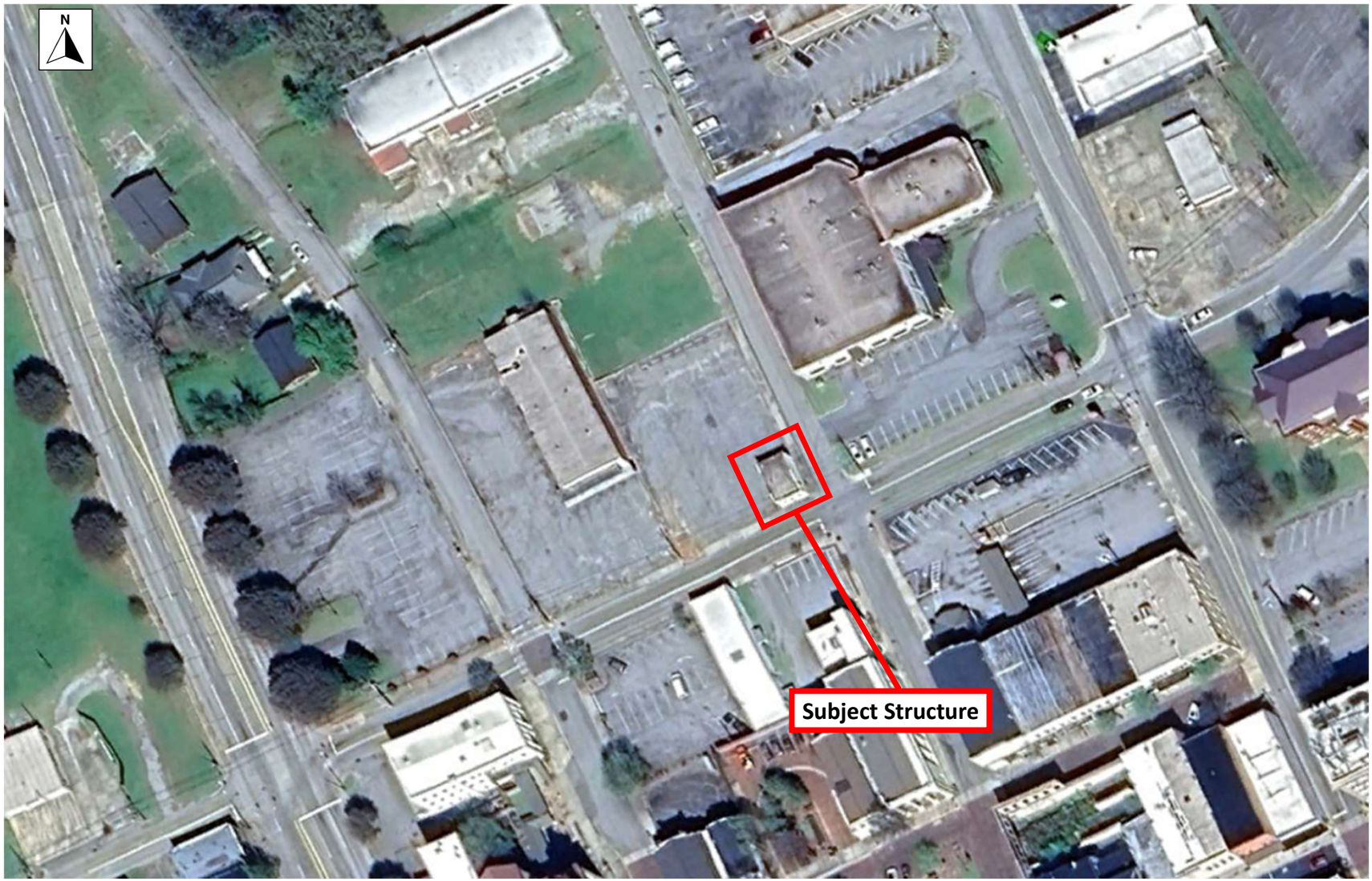


IMAGE SOURCE:

Google Earth

Report Name

Figure 2

Asbestos Sample Locations

1119 Harrington Street
Newberry, South Carolina

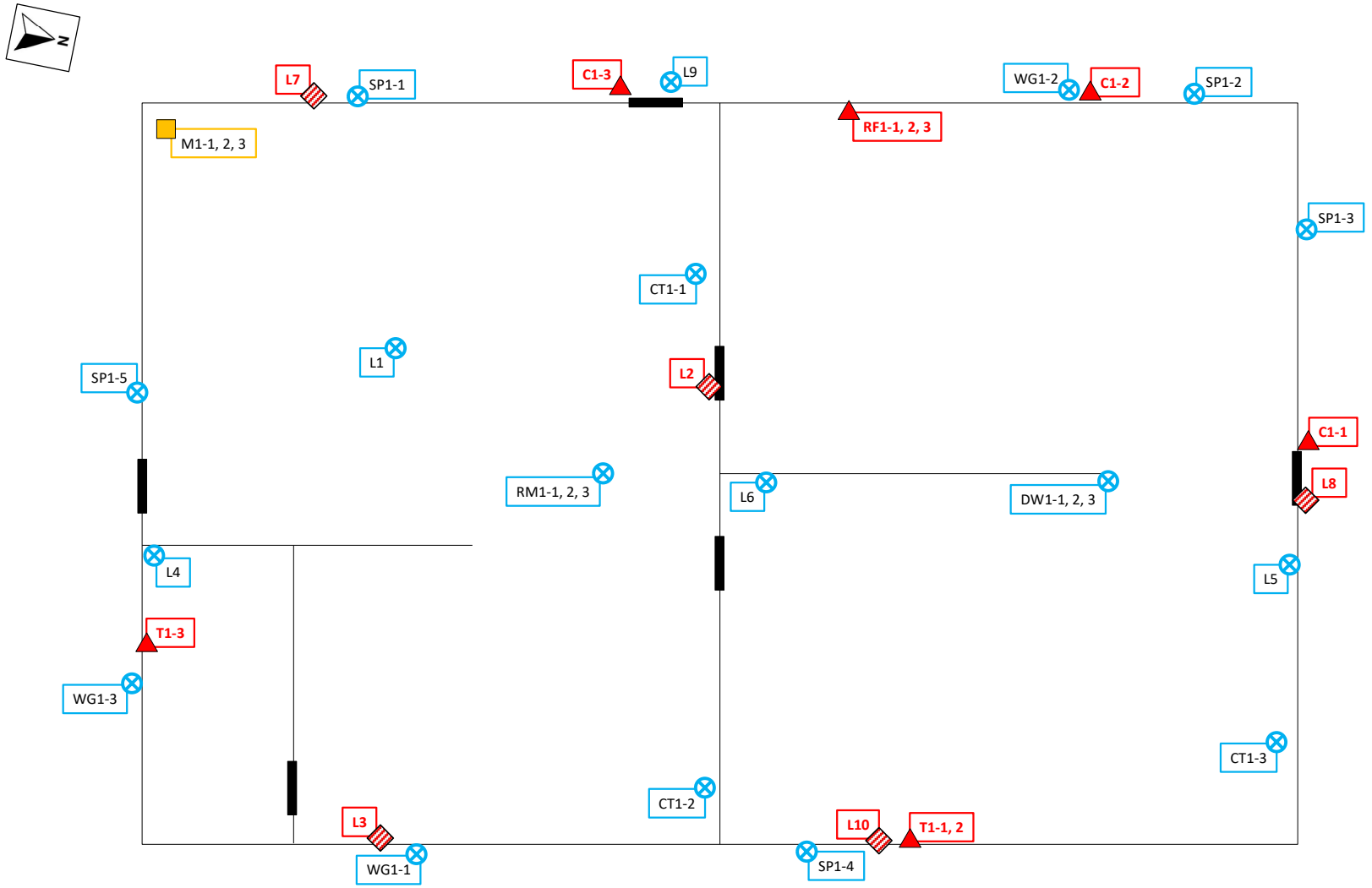
ECS Project No. 49:24870

SAMPLE LEGEND:

- XX-XX — Sample Location
- Asbestos/Lead Not Detected
- Asbestos Detected
- Trace Asbestos Detected
- Lead-Containing Paint

NOTES:

Floor plan not to scale.



Appendix II: Site Photographs

1 - 1119 Harrington Street

2 - Interior

3 - Interior

4 - Interior

5 - Interior

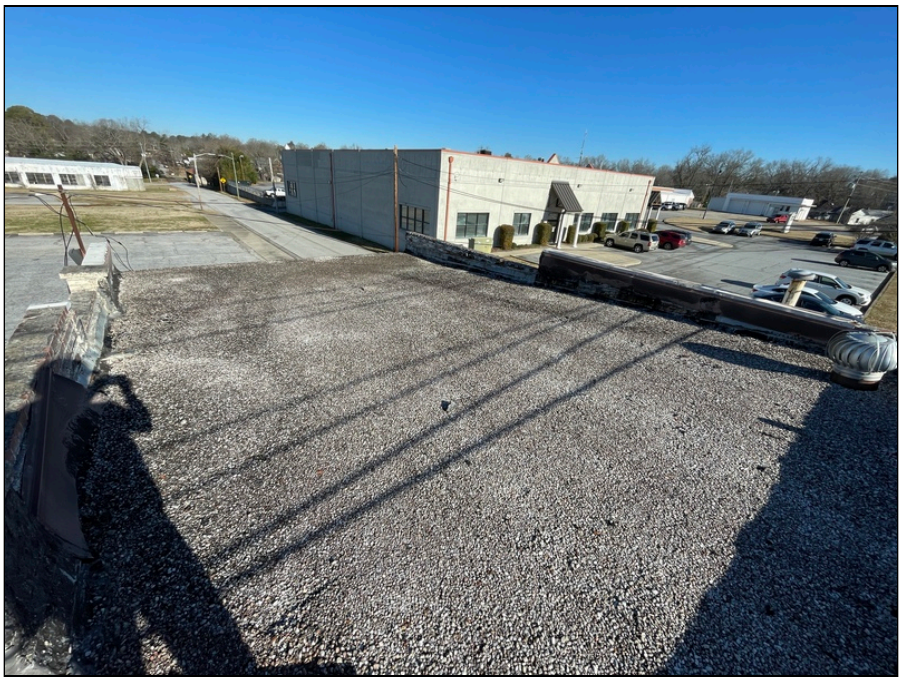
6 - LCP L2

7 - LCP L3

8 - LCP L7

9 - ACM C1 and LCP L8

10 - Trace Asbestos Detected in M1



11 - Roof

12 - ACMs RF1 and T1, LCP L10

Appendix III: Asbestos Bulk Sample Results

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January 09, 2025

Matt Guthrie
ECS Southeast, LLC (Greenville)
1200 Woodruff Road
Ste. H-12
Greenville, SC 29607

CLIENT PROJECT: 49-24870 - Matt Guthrie
LAB CODE: 626101-1

Dear Matt,

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on January 6, 2025. 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

NVLAP 600323-0

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ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

ECS Southeast, LLC (Greenville)

CLIENT PROJECT:	49-24870 - Matt Guthrie
LAB CODE:	626101-1
TEST METHOD:	Bulk Chatfield
REPORT DATE:	01/09/25

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ASBESTOS BULK ANALYSIS
By: Transmission Electron Microscopy

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

Lab Code: 626101-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: 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 %
C1-3 2957945	Tan caulk	0.19	23.56	63.03	13.42		None Detected
WG1-3 2957946	Off-white glazing	0.26	17.06	45.86	37.08		None Detected
M1-3 2957947	Black mastic	0.25	78.32	10.48	11.2	<1%	Chrysotile
T1-3 2957948 Layer A	Silver coating	0.09	68.87	10.45	20.68	6.2%	Chrysotile
Layer B	Black tar	0.14	84.07	2.13	13.8	1.4%	Chrysotile
RF1-3 2957949	Black flashing	0.21	42.77	25.09	32.15	3.9%	Chrysotile
RM1-1 2957950	Black roofing	0.16	87.63	0.37	12		None Detected
SP1-5 2957951	Silver paint	0.23	39.88	10.68	49.45		None Detected

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LEGEND: None

METHOD: Bulk Chatfield

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

REGULATORY LIMIT: 1%

Eurofins Built Environment Testing East, LLC 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. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC.. Estimated measurement of uncertainty is available on request. 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. Eurofins Built Environment Testing East, LLC recommends between 0.500 and 0.200 grams of sample material. Any weight below 0.100 grams is considered below protocol guidelines.

Samuel Parker
Analyst

DATA QA: Kayla Ramlogan
1/9/2025

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

eurofins | Built Environment Testing

RES Job #: 626101

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES
Company:	ECS Southeast, LLC (Greenville)	Company:	ECS Southeast, LLC (Greenville)	Contact:	Matt Guthrie	-1 TEM Standard 3
Address:	1200 Woodruff Road	Address:	1200 Woodruff Road	Phone:	(225) 771-9629	
	Ste. H-12		Ste. H-12	Fax:		
	Greenville, SC 29607		Greenville, SC 29607	Cell:	(864) 665-3010	
Project Number and/or P.O. #:	None Given	Project Zip Code:		Final Data Deliverable Email Address:		
Project Description/Location:	49-24870 - Matt Guthrie			mguthrie@ecslimited.com (+ 6 ADDNL. CONTACTS)		

ASBESTOS LABORATORY

PLM / PCM / **TEM** DTL RUSH PRIORITY **STANDARD**

CHEMISTRY LABORATORY

Dust RUSH PRIORITY STANDARD

Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT

Organics* SAME DAY RUSH PRIORITY STANDARD

MICROBIOLOGY LABORATORY

Viable Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH

Medical Device Analysis RUSH STANDARD

Mold Analysis RUSH PRIORITY STANDARD

****Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.****

Special Instructions:

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Food = F
Paint = P	Soil = S
Surface = SU	Swab = SW
Tape = T	Wipe = W
Drinking Water = DW	
Waste Water = WW	
ASTM E1792 approved wipe media only	

Client Sample ID Number (Sample ID's must be unique)	REQUESTED ANALYSIS: ASBESTOS PLM	ASBESTOS TEM - Semi-Quantitative (EPA-600-R-93-116 - "Chatfield")	ASBESTOS PCM	CHEMISTRY DUST	CHEMISTRY METALS	CHEMISTRY ORGANICS	MICROBIOLOGY VIABLES	MICROBIOLOGY MEDICAL	MICROBIOLOGY MOLD	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
1 C1-3		X												B				
2 WG1-3		X												B				
3 M1-3		X												B				
4 T1-3		X												B				
5 RF1-3		X												B				
6 RM1-1		X												B				
7 SP1-5		X												B				

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.
Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall consitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		Date/Time: 01/06/2025 6:31:41	Sample Condition: Acceptable
Received By:	Olivia Gardner	Date/Time: 01/06/2025 7:17:05	Carrier: Fed-Ex


TO REUSE: Mark through all
FedEx
8181 3633 3111
XP MEOA
00372
00500
FedEx Express
Package US Airbill
8181 3633 3111
[redacted]
0215
Recipient's Copy
fedex.com 1.800.GoFedEx 1.800.463.3339
1 From
Date
Sender's Name
Company
Phone
Address
City
2 Your Internal Billing Reference
3 To
Recipient's Name
Company
Phone
Address
City
State
ZIP
4 Express Package Service
5 Packaging
6 Special Handling and Delivery Signature Options
7 Payment
Total Packages
Total Weight
8181 3633 3111
435
A
611

ASBESTOS CHAIN OF CUSTODY

eurofins | CEI

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

626099/626101

ECEI Lab Code:

ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Matt Guthrie
Company: ECS Southeast	Email / Tel: mguthrie@ecslimited.com/864-665-3010
Address: 1200 Woodruff Rd Ste H-12	Project Name: 49-248?0 - Matt Guthrie
Greenville, SC 29607	Project ID#: –
Billing Email: mguthrie@ecslimited.com	PO #: –
Tel: 864-665-3010	**State of sample origin** SC

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	☐	☐	☐	☐	☒	☐
PLM POINT COUNT (400)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600/R-93/116		☐	☐	☐	☐	☐
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 / EPA 600/R-93/116 Sec. 2.5.5.1		☐	☐	☐	☒	☐
TEM DUST WIPE	ASTM D6480-19	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16				☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD				☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

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

REMARKS / SPECIAL INSTRUCTIONS: Positive Stop

TEM/PLM Simultaneous ☒

☐ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time

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

Version: ACOC.02.24.1/2.LM

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SAMPLING FORM

COMPANY CONTACT INFORMATION			
Company:	Same	Job Contact:	Same
Project Name:			
Project ID #:		Tel:	

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
CT1-1,2,3	12" Spline Ceiling Tile		PLM	X	TEM	
DW1-1,2,3	DW + JC		PLM	X	TEM	
C1-1,2,3	Tan Caulk		PLM	x x 2	TEM	x x 1
WG1-1,2,3	Window Glazing		PLM	x x 2	TEM	x x 1
M1-1,2,3	Black Mastic		PLM	x x 2	TEM	x x 1
T1-1,2,3	Silver coating on Black Tar		PLM	x x 2	TEM	x x 1
RF1-1,2,3	Flashing		PLM	x x 2	TEM	x x 1
RM1-1,2,3	Roof		PLM	x x 2	TEM	x x 1
SP1-1,2,3,4,5	Silver Paint		PLM	X x 4	TEM	x x 1
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
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			PLM		TEM	
			PLM		TEM	

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January 09, 2025

Matt Guthrie
ECS Southeast, LLC (Greenville)
1200 Woodruff Road
Ste. H-12
Greenville, SC 29607

CLIENT PROJECT: 49-24870 - Matt Guthrie
LAB CODE: 626099-1

Dear Matt,

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on January 6, 2025. 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 Method is <1% by calibrated visual estimate.

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

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP 600323-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

ECS Southeast, LLC (Greenville)

CLIENT PROJECT:	49-24870 - Matt Guthrie
LAB CODE:	626099-1
TEST METHOD:	EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763
REPORT DATE:	01/09/25

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Asbestos Report Summary
By: Polarized Light Microscopy

Project: 49-24870 - Matt Guthrie **Lab Code:** 626099-1

Method: EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

Client ID	Lab ID	Layer	Sample Description	Asbestos %
CT1-1	2957905		White/tan ceiling tile	None Detected
CT1-2	2957906		White/tan ceiling tile	None Detected
CT1-3	2957907		White/tan ceiling tile	None Detected
DW1-1	2957908	Layer A	White joint compound	None Detected
		Layer B	White/tan drywall	None Detected
DW1-2	2957909	Layer A	White joint compound	None Detected
		Layer B	White/tan drywall	None Detected
DW1-3	2957910	Layer A	White joint compound	None Detected
		Layer B	White drywall	None Detected
C1-1	2957911		White/beige caulk	Chrysotile 3%
C1-2	2957912		Sample Not Analyzed per Client Request	
WG1-1	2957913		Gray glazing	None Detected
WG1-2	2957914		Off-white caulk	None Detected
M1-1	2957915		Black mastic	None Detected
M1-2	2957916		Black mastic	None Detected
T1-1	2957917	Layer A	Black tar	Chrysotile 2%
		Layer B	Silver paint	Chrysotile 3%
T1-2	2957918		Sample Not Analyzed per Client Request	
RF1-1	2957919	Layer A	Black roofing	None Detected
		Layer B	Off-white fibrous material	None Detected
		Layer C	Black roofing	Chrysotile 15%
RF1-2	2957920		Sample Not Analyzed per Client Request	
RM1-1	2957921	Layer A	Black roofing	None Detected
		Layer B	Brown insulation	None Detected
RM1-2	2957922	Layer A	Black roofing	None Detected
		Layer B	Brown insulation	None Detected

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Asbestos Report Summary
By: Polarized Light Microscopy

Project: 49-24870 - Matt Guthrie **Lab Code:** 626099-1

Method: EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

Client ID	Lab ID	Layer	Sample Description	Asbestos %
SP1-1	2957923		Off-white/silver paint	None Detected
SP1-2	2957924		Off-white/silver paint	None Detected
SP1-3	2957925		Off-white/silver paint	None Detected
SP1-4	2957926		Off-white/silver paint	None Detected

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ASBESTOS BULK ANALYSIS
By: Polarized Light Microscopy

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

Lab Code: 626099-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
CT1-1 2957905	Ceiling Tile	Hetrogeneous White/tan Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
CT1-2 2957906	Ceiling Tile	Hetrogeneous White/tan Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
CT1-3 2957907	Ceiling Tile	Hetrogeneous White/tan Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
DW1-1 Layer A 2957908	Joint Compound	Hetrogeneous White Non-Fibrous Bound			65% 30% 5%	Binder Calc Carb Paint	None Detected
Layer B 2957908	Drywall	Hetrogeneous White/tan Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-2 Layer A 2957909	Joint Compound	Hetrogeneous White Non-Fibrous Bound			65% 30% 5%	Binder Calc Carb Paint	None Detected
Layer B 2957909	Drywall	Hetrogeneous White/tan Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected

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ASBESTOS BULK ANALYSIS
By: Polarized Light Microscopy

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

Lab Code: 626099-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
DW1-3 Layer A 2957910	Joint Compound	Hetrogeneous White Non-Fibrous Bound			65% 30% 5%	Binder Calc Carb Paint	None Detected
Layer B 2957910	Drywall	Hetrogeneous White Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
C1-1 2957911	Caulk	Hetrogeneous White/beige Non-Fibrous Bound			92% 5%	Binder Paint	Chrysotile 3%
C1-2 2957912		Sample Not Analyzed per Client Request					
WG1-1 2957913	Glazing	Homogeneous Gray Non-Fibrous Bound	<1%	Talc	100%	Binder	None Detected
WG1-2 2957914	Caulk	Hetrogeneous Off-white Non-Fibrous Bound			95% 5%	Caulk Paint	None Detected
M1-1 2957915	Mastic	Homogeneous Black Non-Fibrous Bound	<1%	Cellulose	100%	Tar	None Detected
M1-2 2957916	Mastic	Homogeneous Black Non-Fibrous Bound	<1%	Cellulose	100%	Tar	None Detected

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ASBESTOS BULK ANALYSIS
By: Polarized Light Microscopy

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

Lab Code: 626099-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
T1-1	Tar	Homogeneous			98%	Tar	Chrysotile 2%
Layer A		Black					
2957917		Non-Fibrous					
		Bound					
Layer B	Paint	Homogeneous			62%	Paint	Chrysotile 3%
2957917		Silver			35%	Tar	
		Non-Fibrous					
		Bound					
T1-2		Sample Not Analyzed per Client Request					
2957918							
RF1-1	Roofing	Hetrogeneous	30%	Glass	65%	Tar	None Detected
Layer A		Black			5%	Foil	
2957919		Fibrous					
		Bound					
Layer B	Fibrous Material	Homogeneous	100%	Glass			None Detected
2957919		Off-white					
		Fibrous					
		Loosely Bound					
Layer C	Roofing	Homogeneous	30%	Cellulose	55%	Tar	Chrysotile 15%
2957919		Black					
		Fibrous					
		Bound					
RF1-2		Sample Not Analyzed per Client Request					
2957920							

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ASBESTOS BULK ANALYSIS
By: Polarized Light Microscopy

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

Lab Code: 626099-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
RM1-1 Layer A 2957921	Roofing	Hetrogeneous Black Fibrous Bound	35%	Glass	65% <1%	Tar Gravel	None Detected
Layer B 2957921	Insulation	Homogeneous Brown Fibrous Bound	85%	Cellulose	15%	Perlite	None Detected
RM1-2 Layer A 2957922	Roofing	Hetrogeneous Black Fibrous Bound	35%	Glass	65% <1%	Tar Gravel	None Detected
Layer B 2957922	Insulation	Homogeneous Brown Fibrous Bound	85%	Cellulose	15%	Perlite	None Detected
SP1-1 2957923	Paint	Hetrogeneous Off-white/silver Non-Fibrous Bound	<1%	Cellulose	100%	Paint	None Detected
SP1-2 2957924	Paint	Hetrogeneous Off-white/silver Non-Fibrous Bound			100%	Paint	None Detected
SP1-3 2957925	Paint	Hetrogeneous Off-white/silver Non-Fibrous Bound	<1%	Cellulose	100%	Paint	None Detected

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ASBESTOS BULK ANALYSIS
By: Polarized Light Microscopy

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

Lab Code: 626099-1
Date Received: 01/06/25
Date Analyzed: 01/09/25
Date Reported: 01/09/25

Project: 49-24870 - Matt Guthrie

Method: ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
SP1-4 2957926	Paint	Hetrogeneous Off-white/silver Non-Fibrous Bound	<1%	Cellulose	100%	Paint	**None Detected**

LEGEND:

METHOD: EPA 600 / R93 / 116 and EPA 40 CFR Appendix E to Subpart E of Part 763

REPORTING LIMIT: 1% by calibrated visual estimation

REGULATORY LIMIT: 1%

Due to the limitations of the EPA 600 / R93 / 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.

Eurofins Built Environment Testing East, LLC 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. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. 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.

Madelyn Schmidt
Analyst

DATA QA:

Olivia Gardner
1/9/2025

APPROVED BY:

Tianbao Bai, Ph.D., CIH
Laboratory Director

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RES Job #: 626099

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES
Company:	ECS Southeast, LLC (Greenville)	Company:	ECS Southeast, LLC (Greenville)	Contact:	Matt Guthrie	-1 PLM Standard 3
Address:	1200 Woodruff Road	Address:	1200 Woodruff Road	Phone:	(225) 771-9629	
	Ste. H-12		Ste. H-12	Fax:		
	Greenville, SC 29607		Greenville, SC 29607	Cell:	(864) 665-3010	
Project Number and/or P.O. #:	None Given	Project Zip Code:		Final Data Deliverable Email Address:		
Project Description/Location:	49-24870 - Matt Guthrie			mguthrie@ecslimited.com (+ 6 ADDNL. CONTACTS)		

ASBESTOS LABORATORY

PLM / PCM / TEM — DTL RUSH PRIORITY STANDARD

CHEMISTRY LABORATORY

Dust — RUSH PRIORITY STANDARD

Metals — RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT

Organics* — SAME DAY RUSH PRIORITY STANDARD

MICROBIOLOGY LABORATORY

Viable Analysis** — PRIORITY STANDARD

Medical Device Analysis — RUSH STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH

Mold Analysis — RUSH PRIORITY STANDARD

****Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.****

Special Instructions:

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Food = F
Paint = P	Soil = S
Surface = SU	Swab = SW
Tape = T	Wipe = W
Drinking Water = DW	
Waste Water = WW	
ASTM E1792 approved wipe media only	

Client Sample ID Number (Sample ID's must be unique)	ASBESTOS: PLM - PLM Short Report (EPA/600/R-93/116)	ASBESTOS: TEM	ASBESTOS: PCM	CHEMISTRY: DUST	CHEMISTRY: METALS	CHEMISTRY: ORGANICS	MICROBIOLOGY: VIABLES	MICROBIOLOGY: MEDICAL	MICROBIOLOGY: MOLD	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
1 CT1-1	X													B				PROG(A)
2 CT1-2	X													B				PROG(A)
3 CT1-3	X													B				PROG(A)
4 DW1-1	X													B				PROG(B)
5 DW1-2	X													B				PROG(B)
6 DW1-3	X													B				PROG(B)
7 C1-1	X													B				PROG(C)
8 C1-2	X													B				PROG(C)
9 WG1-1	X													B				PROG(D)
10 WG1-2	X													B				PROG(D)
11 M1-1	X													B				PROG(E)
12 M1-2	X													B				PROG(E)
13 T1-1	X													B				PROG(F)

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall consitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		Date/Time: 01/06/2025 6:31:41	Sample Condition: Acceptable
Received By:	Olivia Gardner	Date/Time: 01/06/2025 7:12:39	Carrier: Fed-Ex

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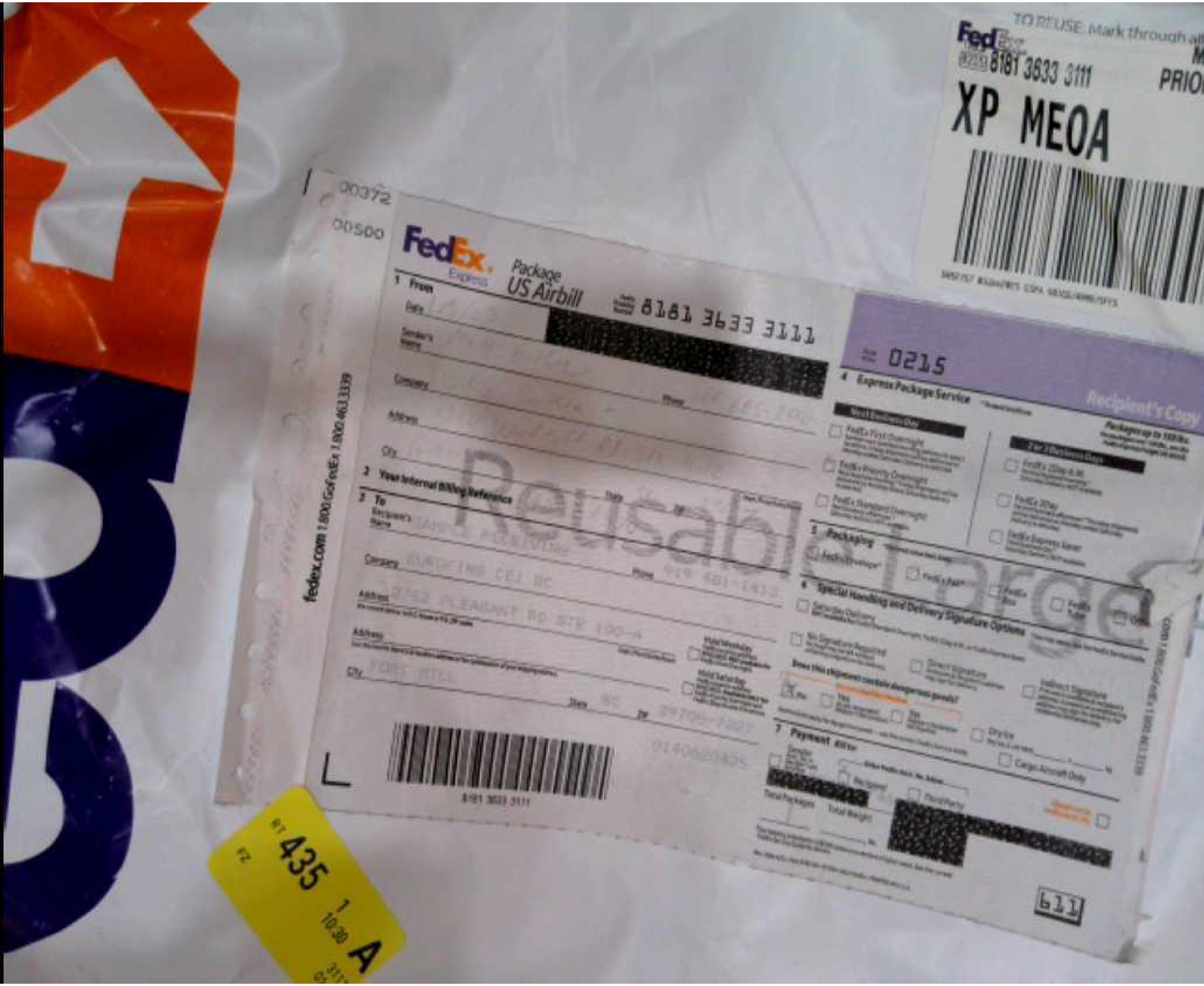
RES Job #: **626099**

Submitted By: **ECS Southeast, LLC (Greenville)**

	REQUESTED ANALYSIS										VALID MATRIX CODES							LAB NOTES
											Air = A			Bulk = B				
											Dust = D			Food = F				
											Paint = P			Soil = S				
											Surface = SU			Swab = SW				
											Tape = T			Wipe = W				
											Drinking Water = DW							
											Waste Water = WW							
											ASTM E1792 approved wipe media only							
	PLM - PLM Short Report (EPA/600/R-93/116)	TEM	PCM	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
Client Sample ID Number (Sample ID's must be unique)	ASBESTOS			CHEMISTRY			MICROBIOLOGY			ICO								
14 T1-2	X													B				PROG(F)
15 RF1-1	X													B				PROG(G)
16 RF1-2	X													B				PROG(G)
17 RM1-1	X													B				PROG(H)
18 RM1-2	X													B				PROG(H)
19 SP1-1	X													B				PROG(I)
20 SP1-2	X													B				PROG(I)
21 SP1-3	X													B				PROG(I)
22 SP1-4	X													B				PROG(I)



TO REUSE: Mark through all
8181 3633 3111
PRIOR
XP MEOA
00372
00500
FedEx Express
Package US Airbill
8181 3633 3111
[redacted]
0215
1 From
Date
Sender's Name
Company
Phone
Address
City
2 Your Internal Billing Reference
3 To
Recipient's Name
Company
Phone
Address
City
State
Zip
4 Express Package Service
Recipient's Copy
5 Packaging
6 Special Handling and Delivery Signature Options
7 Payment
Total Packages
Total Weight
Reusable Large
fedex.com 1.800.GoFedEx 1.800.463.3339
8181 3633 3111
611
435
A

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ASBESTOS CHAIN OF CUSTODY

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

626099/626101

ECEI Lab Code:

ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Matt Guthrie
Company: ECS Southeast	Email / Tel: mguthrie@ecslimited.com/864-665-3010
Address: 1200 Woodruff Rd Ste H-12	Project Name: 49-24870 - Matt Guthrie
Greenville, SC 29607	Project ID#: -
Billing Email: mguthrie@ecslimited.com	PO #: -
Tel: 864-665-3010	**State of sample origin** SC

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	☐	☐	☐	☐	☒	☐
PLM POINT COUNT (400)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600/R-93/116		☐	☐	☐	☐	☐
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 / EPA 600/R-93/116 Sec. 2.5.5.1		☐	☐	☐	☒	☐
TEM DUST WIPE	ASTM D6480-19	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16				☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD				☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

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

REMARKS / SPECIAL INSTRUCTIONS: Positive Stop

TEM/PLM Simultaneous ☆

☐ Accept Samples

☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time

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

Version: ACOC.02.24.1/2.LM

eurofins CEI

SAMPLING FORM

COMPANY CONTACT INFORMATION			
Company:	Same	Job Contact:	Same
Project Name:	✓		
Project ID #:		Tel:	✓

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
CT1-1,2,3	12" Spline Ceiling Tile		PLM	X	TEM	
DW1-1,2,3	DW + JC		PLM	X	TEM	
C1-1,2,3	Tan Caulk		PLM	x ×2	TEM	x ×1
WG1-1,2,3	Window Glazing		PLM	x ×2	TEM	x ×1
M1-1,2,3	Black Mastic		PLM	x ×2	TEM	x ×1
T1-1,2,3	Silver coating on Black Tar		PLM	x ×2	TEM	x ×1
RF1-1,2,3	Flashing		PLM	x ×2	TEM	x ×1
RM1-1,2,3	Roof		PLM	x ×2	TEM	x ×1
SP1-1,2,3,4,5	Silver Paint		PLM	X ×4	TEM	x ×1
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
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			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	
			PLM		TEM	

Appendix IV: Lead Laboratory Analytical Results

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January 09, 2025

Matt Guthrie
ECS Southeast, LLC (Greenville)
1200 Woodruff Road
Ste. H-12
Greenville, SC 29607

CLIENT PROJECT: 49-24870 Matt Guthrie
LAB CODE: 626112-1

Dear Matt,

Enclosed are lead analysis results for chemistry samples received at our laboratory on January 6, 2025. The samples were analyzed for lead using flame atomic absorption spectrophotometry.

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

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

AIHA LAP 290960

EHS Laboratories
ENVIRONMENTAL HAZARDS SERVICES, LLC
7469 Whitepine Rd
North Chesterfield, VA 23237
Telephone: 800.347.4010

Lead Paint Chip Analysis Report

Report Number: 25-01-00960

Client: Eurofins Built Environment Testing East
730 S.E. Maynard Road
Cary, NC 27511

Received Date: 01/08/2025
Analyzed Date: 01/09/2025
Reported Date: 01/09/2025

Project/Test Address: 626112-1
Collection Date:

Client Number: 34-1445

Laboratory Results

Fax Number: 919-481-1442

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
25-01-00960-001	L1	GRAY	<40	<0.0040	
25-01-00960-002	L2	BLACK	620	0.062	
25-01-00960-003	L3	WHITE	150	0.015	
25-01-00960-004	L4	GREEN	<120	<0.012	L03
25-01-00960-005	L5	WHITE	<50	<0.0050	
25-01-00960-006	L6	WHITE	<43	<0.0043	L04
25-01-00960-007	L7	WHITE	54	0.0054	
25-01-00960-008	L8	WHITE	7200	0.72	
25-01-00960-009	L9	WHITE	<38	<0.0038	
25-01-00960-010	L10	SILVER	56	0.0056	L04

Environmental Hazards Services, L.L.C

Client Number: 34-1445 **Report Number:** 25-01-00960
Project/Test Address: 626112-1

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID

Sample Narratives:

L03: Sample submitted was less than the recommended amount. A minimum of 0.1 grams should be submitted.
L04: Sample contains substantial amounts of substrate which may affect the calculated results with units of ppm and % by weight.

Preparation Method: ASTM E-1979-17
Analysis Method: EPA SW846 7000B

Reviewed By Authorized Signatory: Melissa Kanode

Melissa Kanode
QA/QC Clerk

The Reporting Limit (RL) for samples prepared by ASTM E-1979-17 is 10.0 ug Total Pb. The RL for samples prepared by EPA SW846 3050B is 25.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm3 are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

ELLAP Accredtitation through AIHA LAP, LLC (100420), NY ELAP #11714.

LEGEND	Pb= lead	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	Wt. = weight	

ENVIRONMENTAL HAZARDS SERVICES, LLC

Lead Chain of Custody Form

Page 1 of 1

Company Name	EuroFins CEI Labs	Account #	34-1445
Company Address	730 SE Maynard Rd	City/State/Zip	Cary NC 27511
Phone	919-481-1413	Email	ECEI@eurofinsET.com

Project Name / Testing Address: 626112-1

PO Number:

Collected By: MG

Turn Around Time: ○ 5 Day ○ 3 Day ● 2 Day ○ 1 Day ○ Same Day / Weekend - Must Call Ahead

NEW YORK CITY PB DUST WIPE PROJECTS: Please take floor dust wipe samples using a 2 ft² wipe area.

SAMPLE TYPES | SURFACE TYPE FOR DUST WIPES

Sample #	Sample Type	Color
L1	P	Grey
L2	P	Black
L3	P	White
L4	P	Green
L5	P	White
L6	P	White
L7	P	White
L8	P	White
L9	P	White
L10 (SS)	P	Silver

Relinquished By: Kyle K.

Signature: Kyle K

Date: 1/7/24

Time: 5pm

LAB USE ONLY BELOW THIS LINE

Received By: [illegible]

Signature: [illegible]

Date: [illegible] Time: [illegible] ☐ AM ☒ PM

☐ Portal Contact Added

25-01-00960

Due Date: 01/10/2025 (Friday) AE 3:00PM

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

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RES Job #: 626112

SUBMITTED BY		INVOICE TO		CONTACT INFORMATION		SERIES
Company:	ECS Southeast, LLC (Greenville)	Company:	ECS Southeast, LLC (Greenville)	Contact:	Matt Guthrie	-1 Chem Standard 3
Address:	1200 Woodruff Road	Address:	1200 Woodruff Road	Phone:	(225) 771-9629	
	Ste. H-12		Ste. H-12	Fax:		
	Greenville, SC 29607		Greenville, SC 29607	Cell:	(864) 665-3010	
Project Number and/or P.O. #:	None Given	Project Zip Code:		Final Data Deliverable Email Address:		
Project Description/Location:	49-24870 Matt Guthrie			mguthrie@ecslimited.com (+ 6 ADDNL. CONTACTS)		

ASBESTOS LABORATORY

PLM / PCM / TEM — DTL RUSH PRIORITY STANDARD

CHEMISTRY LABORATORY

Dust — RUSH PRIORITY STANDARD

Metals — RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT

Organics* — SAME DAY RUSH PRIORITY STANDARD

MICROBIOLOGY LABORATORY

Viable Analysis** — PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH

Medical Device Analysis — RUSH STANDARD

Mold Analysis — RUSH PRIORITY STANDARD

****Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.****

Special Instructions:

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Food = F
Paint = P	Soil = S
Surface = SU	Swab = SW
Tape = T	Wipe = W
Drinking Water = DW	
Waste Water = WW	
ASTM E1792 approved wipe media only	

LAB NOTES

SC

Client Sample ID Number (Sample ID's must be unique)	REQUESTED ANALYSIS: ASBESTOS PLM	TEM	PCM	CHEMISTRY DUST	METALS - Analyte(s) Pb USEPA SW846 7000B - By Flame AA	ORGANICS	MICROBIOLOGY VIABLES	MEDICAL	MOLD	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
1 L1					X									P				
2 L2					X									P				
3 L3					X									P				
4 L4					X									P				
5 L5					X									P				
6 L6					X									P				
7 L7					X									P				
8 L8					X									P				
9 L9					X									P				
10 L10					X									P				

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall consitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		Date/Time: 01/06/2025 6:31:41	Sample Condition: Acceptable
Received By:	Olivia Gardner	Date/Time: 01/06/2025 7:27:24	Carrier: Fed-Ex


TO REUSE: Mark through all
8181 3633 3111
XP MEOA
00372
00500
FedEx Express
Package US Airbill
1 From
2 Your Internal Billing Reference
3 To
8181 3633 3111
0215
4 Express Package Service
Recipient's Copy
5 Packaging
6 Special Handling and Delivery Signature Options
7 Payment
Reusable
fedex.com 1.800.GoFedEx 1.800.463.3339
8181 3633 3111
435
A

eurofins | CEI

METALS / LEAD CHAIN OF CUSTODY

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

LAB USE ONLY:
ECEI Lab Code: 626112
ECEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
ECEI CLIENT #:		Job Contact:	Matt Guthrie
Company:	ECS Southeast	Email / Tel:	Same
Address:	1200 Woodruff Road Ste H-12 Greenville, SC 29607	Project Name:	Same
		Project ID#	49-24570 M+H G. Mill
Billing Email:	mguthrie@ecslimited.com	PO #:	—
Tel:	864-665-3010	STATE SAMPLES COLLECTED IN:	SC

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	☐	☐	☐	☒	☐
LEAD WIPE (Flame AA)	EPA SW846 7000B / 3rd Ed. 7420/3050B	☐	☐	☐	☐	☐
LEAD SOIL (Flame AA)	EPA SW846 7000B / 3rd Ed. 7420/3050B	☐	☐	☐	☐	☐
LEAD AIR (Flame AA)	EPA SW846 7000B / NIOSH 7082	☐	☐	☐	☐	☐
LEAD TCLP**	EPA SW846 7000B / 1311/3010A/7420			☐	☐	☐
RCRA 8 METALS**	EPA SW846 6010 C/D			☐	☐	☐
RCRA 8 TCLP**	EPA SW846 6010 C/D			☐	☐	☐
OTHER:				☐	☐	☐

SAME DAY AND NEXT DAY TURNS AVAILABLE UPON PRIOR NOTICE.

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

REMARKS:	☐ Accept Samples ☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/3/25 1700		

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

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SAMPLING FORM

COMPANY CONTACT INFORMATION	
Company: Same	Job Contact: Same
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	COMMENTS
L1	Grey Paint		
L2	Black		
L3	White		
L4	Green		
L5	White		
L6	White		
L7	White		
L8	White		
L9	White		
L10	Silver		

Appendix V: Certifications/ Licenses

SCDES ISSUED

Asbestos ID Card

Matthew Guthrie

		Expiration Date:
AIRSAMPLER	AS-000633	06/16/25
CONSULTBI	BI-001939	10/21/25
CONSULTPD	PD-000266	10/22/25
SUPERAHERA	SA-003419	06/16/25