

**CLEMONS, RUTHERFORD & ASSOCIATES, INC.**  
2027 Thomasville Road  
Tallahassee, FL 32312

**December 4, 2024**  
**SESI Job No.: T24-343**  
**SESI Asbestos Business**  
**No.: ZA-0000092**  
**EPA TSCA FLORIDA**  
**LBP FIRM: LBP-15608-3**

**ATTENTION:** Mr. Terry Ransom, AIA, NCARB, Project Manager/Architect

**SUBJECT:** Asbestos NESHAPS Demolition Survey & LBP Testing Report for the 2 former school structures located at 176 NW Crane Avenue in Madison, Florida

Dear Mr. Ransom:

As requested, **Southern Earth Sciences Inc.**, has performed an Asbestos NESHAPS (40 CFR Part 61) Demolition Survey of the identified former school structures located at 176 NW Crane Avenue in Madison, Florida. **Asbestos Containing Material (ACM) was identified in cementitious transite soffits, transite counter-tops, vinyl asbestos floor tiles (VAT), black tile mastic, exterior window caulking, friable pipe insulation/mud in the old boiler room and friable white vibration dampers in the Auditorium & Office 1 ceilings.** SESI also performed LBP Testing on painted surfaces associated with the identified structures (random testing/not per HUD Guidelines) using a Heuresis Pb200i XRF. LBP Testing was performed by Roy L. Russell (EPA TSCA LBP Inspector No.: LBP-I-5950-3). **No Lead-based Paint (LBP) was identified on any interior or exterior surfaces tested on either building or walkways. Therefore, a TCLP Lead test is not required for disposal of waste materials from the structures.**

Asbestos is a naturally occurring fibrous mineral that has many beneficial properties. It is resistant to acids and heat and does not conduct electricity or heat well. It is because of these features that it was widely used in buildings constructed prior to 1980 (OSHA Presumed ACM). Even today asbestos containing building materials find their way into new construction from materials shipped into the United States from other countries. Asbestos was used in over 3,000 types of construction materials and as previously discussed is still a common additive to building materials.

## **REGULATORY**

The Asbestos Hazard and Emergency Response Act (AHERA) is a Federal Law that describes standards methods for asbestos inspections. This act initially applied to public schools and has been accepted as a standard for the industry. This survey follows the sampling protocol for AHERA surveys.

The Occupational Safety and Health Administration (OSHA) is the regulatory agency for establishing worker safety. This survey satisfies OSHA requirements in 29 CFR 1910.1001 (General Industry) and 29 CFR 1926.1101 (Construction Industry). OSHA has established lead work practices during construction to protect workers and the environment from lead exposure. These requirements are contained 29 CFR 1910.1025 and 19 CFR 1926.62 that apply regardless of lead concentrations.

The US Environmental Protection Agency (EPA) has established regulatory requirements for asbestos surveys under the National Emission for Hazardous Air Pollutants (Asbestos NESHAPS) 40 CFR Part 61. The NESHAPS requires asbestos surveys be performed for both friable and non-friable materials in buildings prior to renovation or demolition activities. This survey meets the requirements in the Asbestos NESHAPS for asbestos surveys.

## **DEFINITIONS**

**Asbestos Containing Materials (ACM):** Building materials used for construction of a structure that are known or are suspect for containing asbestos.

**Asbestos:** Asbestos is the asbestiform varieties of chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite.

**Asbestos Inspection:** An evaluation performed by a trained and E.P.A. certified inspector to determine the presence or absence of Asbestos-containing materials. Asbestos inspectors engage in the survey and assessment of ACBM.

**Category I non-friable ACM:** asbestos-containing packings, gaskets, resilient floor covering and asphalt products.

**Category II non-friable ACM:** any material, excluding Category I ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

**Demolition:** the removal of load-bearing walls or structural components (including roofing).

**Lead-Based Paint (LBP):** paint and other coating materials that contains  $\geq 1.0$  mg/cm<sup>2</sup> by XRF or  $\geq 0.5\%$  lead by weight (5000 ppm) by laboratory analysis; usually analyzed by Atomic Absorption Spectroscopy (AAS) analysis.

**Regulated Asbestos Containing Material (RACM):** (a) Friable asbestos materials, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or, (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by NESHAPS.

**Renovation:** the removal of any other building components other than load-bearing walls or structural components.

**Toxicity Characteristic Leachate Procedure (TCLP Pb):** testing of waste streams from a lead abatement project to determine whether the waste stream is hazardous waste ( $\geq 5.0$  ppm or mg/L by laboratory analysis is hazardous waste). Residential dwellings & structures are exempt from TCLP requirements.

**PHYSICAL SURVEY**

On November 1<sup>st</sup>, 2024, a total of 50 bulk samples were taken for analysis of suspect asbestos-containing materials (ACM’s) from the former school buildings. The samples were sent to Eurofins CEI Labs for analysis by Polarized Light Microscopy (PLM); sample sheets are attached to this report. **The following materials were non-ACM:**

- Rolled roofing, felt, tar and base soft concrete on roofs of the buildings and walkways
- Exterior window glazing
- Concrete on building & walkway slabs
- Grout in building walls
- Wall mounted boards, plaster & mastic dots
- Drywall walls with joint compound
- Fiberglass wrap & white mastic on piping in the ceilings

**The following materials were sampled and were ACM (see attached plan for ACM locations):**

- Cementitious transite soffits on the north building and walkway soffits



- Black laboratory sinks and countertops in Room 9 & Storage Room between Rooms 3 & 5

- Exterior window caulking on both buildings



- 9” and 12” VAT with black tile mastic in the Auditorium, Offices 2A, 2B, 3, 5, Storage Rm, 6 & 8
- Exposed black tile mastic on the slabs in Rooms 1, 1A, 7 & 9
- Friable white vibration dampers in the ceilings of the Auditorium & Room 2A
- Friable pipe mud & insulation (TSI/wrap) on piping & debris in the Old Boiler Room



## **SUMMARY OF ACM**

An asbestos containing material is defined as a material that contains more than 1- percent asbestos by volume. Asbestos containing materials are placed into two categories, friable and non-friable. Friable ACM is defined as a material that can be pulverized to powder by hand pressure when dry.

### **FRIABLE ACM:**

- Friable white cloth vibration dampers in the ceilings of the Auditorium and Room 2A contained 70% chrysotile asbestos. (approximately 10sf)
- Friable white cloth wrap and insulation (TSI) in the Old Boiler Room Exhaust Line contained 25% - 65% chrysotile asbestos along with a mudded elbow (TSI) that contained 20% chrysotile asbestos. SESI noted visible debris on equipment in the room and on the floor. (approximately 3 LF)

### **CATEGORY 1 NON-FRIABLE ACM:**

- 9"x9" VAT in the Auditorium, Rooms 2A, 3, 5 & Storage Rooms contained 2% - 10% chrysotile asbestos with black tile mastic that contained 5% chrysotile asbestos. (approximately 4620sf)
- 12"x12" VAT in Rooms 6 & 8 contained 3% chrysotile asbestos with black tile mastic that contained 5% chrysotile asbestos. (approximately 1520sf)
- Exposed black tile mastic in Rooms 1, 1A, 7 & 9 contained 5% chrysotile asbestos. (approximately 3140sf)
- Exterior window caulking on both buildings contained 2% chrysotile asbestos. (about 135 window casings)

### **CATEGORY 2 NON-FRIABLE ACM:**

- The cementitious transite soffits on the walkway roofs contained 15% chrysotile asbestos. (approximately 928sf)
- The cementitious transite soffits on the North Building roof contained 15% chrysotile asbestos. (approximately 820sf)
- The black transite laboratory sinks/table-tops in Room 9 and the Storage Room between Rooms 3 & 5 contained 15% chrysotile asbestos. (approximately 28sf of table-tops)

### **SUMMARY OF LBP**

SESI also performed LBP Testing on painted surfaces associated with the identified structures (random testing/not per HUD Guidelines) using a Heuresis Pb200i XRF. LBP Testing was performed by Roy L. Russell (EPA TSCA LBP Inspector No.: LBP-I-5950-3). **No Lead-based Paint (LBP) was identified on any interior or exterior surfaces tested on either building or walkways. Therefore, a TCLP Lead test is not required for disposal of waste materials from the structures.**

### **RECOMMENDATIONS**

A 10-working day notification to the Florida Department of Environmental Protection (DEP) **is required** prior to demolition activities (removal of load-bearing components & roofing) even though regulated quantities of Friable ACM were not present. The notification should be filled out and submitted online (<https://floridadep.gov/air/permitting-compliance/content/asbestos>). The Notice of Demolition (Form 62-257 900(1)) can be printed out and mailed to a regional office if desired.

The identified Friable ACM (TSI in Old Boiler Room), transite soffits on the North Building & Walkways and transite sinks/table-tops should be properly abated by a Florida Licensed Abatement Contractor with certified supervisor & workers. All ACM debris must be properly marked, wrapped and disposed of as asbestos waste. Once abated, the remaining ACM can be demolished with the structures as part of a wet demolition with an AHERA Supervisor onsite during demolition activities, if desired. **However, it is a direct violation of the Asbestos NESHAPS to recycle building materials if ACM is left. Therefore, SES recommends that all ACM be abated from the structures prior to demolition.**

### **GENERAL COMMENTS**

This survey has been performed to identify asbestos containing materials (ACM) and LBP on the structures. It is not intended to be an abatement specification with drawings. Quantities of materials would be verified during the pre-bid by the Contractor.

Comments and observations given above reflect an opinion as to the various materials and conditions visually observed during the inspections and should not be construed as a representation or warranty expressed or implied, as to scope, thoroughness or accuracy of the inspection.

Locating and identifying materials containing asbestos in buildings is a difficult and time-consuming task. All buildings have hidden spaces which may not be immediately obvious to a surveyor who is not intimately familiar with the building. Complicating this task is the fact that asbestos was used in many forms and in many types of materials in the construction of buildings. In some of these materials, asbestos is present, not as an intentional ingredient, but as a contaminant.

Although trained and certified inspectors were used in attempting to locate and identify materials potentially containing asbestos, we do not warrant that all materials containing asbestos have been identified. It is possible that there are materials containing asbestos that were not visible or accessible to the surveyor or, for various reasons, were not sampled.

A conscious effort is made to identify all suspect materials. There is a possibility that conditions or materials may exist which could not be identified during our survey due to physical inaccessibility and the use of nondestructive sampling methods. Materials that typically do not contain asbestos have not been sampled. These materials include but are not limited to plastics, wood, fiberglass, etc. Conclusions and recommendations given in this report are based upon our interpretation of current regulatory standards. Changes in regulatory standards may require changes in our conclusions and recommendations.

We appreciate the opportunity to be of service to you on this project should require additional information, please advise.

Sincerely,  
**SOUTHERN EARTH SCIENCES, INC.**

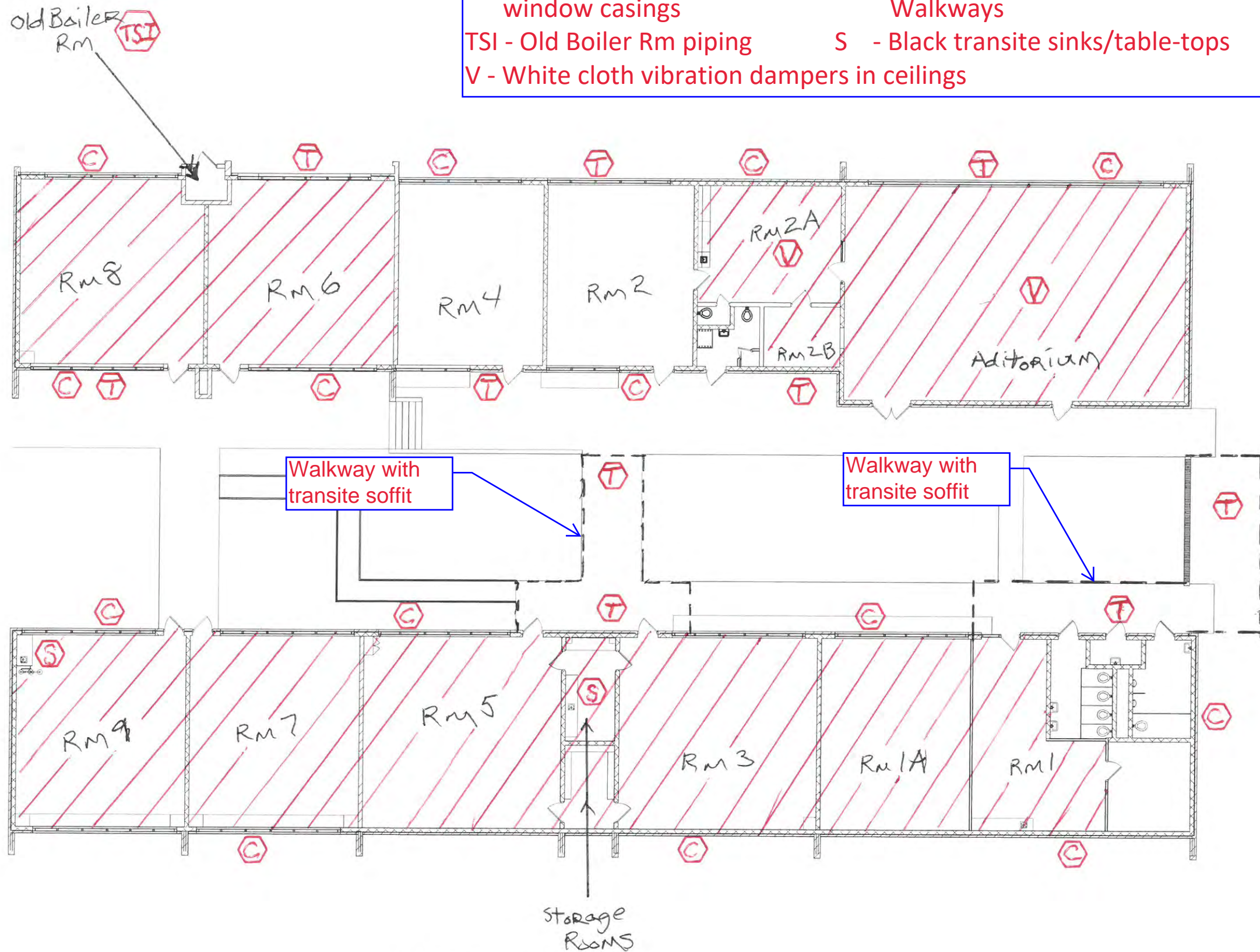


Roy L. Russell  
Asbestos Dept. Manager – LEP #60/CIEC  
EPA TSCA LBP Inspector No.: LBP-I-5950-3



Mark E. Wilson, P.E.  
Florida State Licensed Asbestos Consultant  
SESI Asbestos Business No.: ZA-0000092  
Florida Licensed Asbestos Consultant No.: AX85  
**12-04-2024**

-- IDENTIFIED ACM --  
 C - Caulking on exterior window casings  
 TSI - Old Boiler Rm piping  
 V - White cloth vibration dampers in ceilings  
 /// - 9" VAT, 12" VAT & exposed black mastic  
 T - Transite soffits on North Building & Walkways  
 S - Black transite sinks/table-tops



**EXISTING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

Madison County Memorial Hospital

**MADISON HEALTH & WELLNESS CENTER**

176 NW CRANE AVENUE  
 MADISON, FLORIDA 32340



Clemons, Rutherford & Associates Inc.  
 Architects  
 Planners  
 Interior Designers  
 Construction Managers  
 2027 Thomasville Road  
 Tallahassee, Florida 32308  
 (850) 385-6153  
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The drawings, specifications and other documents prepared by Clemons, Rutherford & Associates Inc. (CRA) for this project are instruments of service. They are to be used only for the project and site shown on these drawings. They are not to be used for any other project or site without the written consent of CRA. CRA shall not be responsible for any errors or omissions in these drawings, specifications or other documents. The user of these drawings, specifications or other documents shall be responsible for their own actions and the consequences thereof. This agreement is subject to the terms and conditions of the contract between CRA and the client.

William Dawson Rutherford  
 AR0007865

SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
SCHEMATICS		K. MOORE	T. RANSOM

REVISIONS	
#	DATE COMMENTS

PROJ. NO. 22039  
 PHASE: SCHEMATICS

SHEET TITLE  
 EXISTING FLOOR PLAN  
**A1.1** of



# LABORATORY DATA

November 7, 2024

Southern Earth Sciences, Inc.  
3642 Peddie Drive  
Tallahassee, FL 32303

**CLIENT PROJECT:** 176 NW Crane Ave., T24-343  
**CEI LAB CODE:** B2421737

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on November 5, 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

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**ASBESTOS ANALYTICAL REPORT**  
**By: Polarized Light Microscopy**

Prepared for

**Southern Earth Sciences, Inc.**

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CLIENT PROJECT: 176 NW Crane Ave., T24-343

LAB CODE: B2421737

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

REPORT DATE: 11/07/24

TOTAL SAMPLES ANALYZED: 50

# SAMPLES >1% ASBESTOS: 24



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 176 NW Crane Ave., T24-343

LAB CODE: B2421737

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 %
1	Layer 1	B2421737.01	Clear	Caulking	None Detected
	Layer 2	B2421737.01	Gray	Caulking	Chrysotile 2%
2		B2421737.02	White	Glazing	None Detected
3		B2421737.03	Gray	Caulking	None Detected
4		B2421737.04	White	Glazing	None Detected
5	Layer 1	B2421737.05	Gray	Grout	Chrysotile <1%
	Layer 2	B2421737.05	Gray	Grout	None Detected
	Layer 3	B2421737.05	Black	Tar	None Detected
6	Layer 1	B2421737.06	Gray	Grout	None Detected
	Layer 2	B2421737.06	Black	Tar	None Detected
7		B2421737.07A	Tan	Floor Tile	Chrysotile 10%
		B2421737.07B	Black	Mastic	Chrysotile 5%
8		B2421737.08A	Tan	Floor Tile	Chrysotile 10%
		B2421737.08B	Black	Mastic	Chrysotile 5%
9		B2421737.09A	Blue	Floor Tile	Chrysotile 2%
		B2421737.09B	Black	Mastic	Chrysotile 5%
10		B2421737.10A	Blue	Floor Tile	Chrysotile 2%
		B2421737.10B	Black	Mastic	Chrysotile 5%
11		B2421737.11	Black	Transite	Chrysotile 15%
12		B2421737.12	Black	Transite	Chrysotile 15%
13		B2421737.13A	Black	Mastic	None Detected
		B2421737.13B	Gray	Plaster	None Detected
14		B2421737.14A	Black	Mastic	None Detected
		B2421737.14B	Gray	Plaster	None Detected
15		B2421737.15A	Black	Mastic	None Detected
		B2421737.15B	Gray	Plaster	None Detected
16		B2421737.16	Brown	Particle Board	None Detected
17		B2421737.17	Brown	Particle Board	None Detected
18		B2421737.18	Tan	Mastic Dot	None Detected
19		B2421737.19	Tan	Mastic Dot	None Detected
20		B2421737.20A	Beige	Floor Tile	Chrysotile 3%



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 176 NW Crane Ave., T24-343

LAB CODE: B2421737

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 %
		B2421737.20B	Black	Mastic	Chrysotile 5%
21		B2421737.21A	Beige	Floor Tile	Chrysotile 3%
		B2421737.21B	Black	Mastic	Chrysotile 5%
22		B2421737.22	Gray	Concrete	None Detected
23		B2421737.23	Gray	Concrete	None Detected
24		B2421737.24	Gray	Concrete	None Detected
25		B2421737.25	Gray	TSI Wrap	Chrysotile 65%
26		B2421737.26	Gray	TSI Wrap	Chrysotile 65%
27		B2421737.27	Gray	TSI Wrap	Chrysotile 25%
28		B2421737.28	Gray	TSI	Chrysotile 65%
29		B2421737.29	Tan,Silver	TSI	Chrysotile 20%
30		B2421737.30	Tan,Silver	TSI	None Detected
31		B2421737.31	Tan,Silver	TSI	None Detected
32	Layer 1	B2421737.32	Black	Tar	None Detected
	Layer 2	B2421737.32	Black	Felt Paper	None Detected
33	Layer 1	B2421737.33	Black	Tar	None Detected
	Layer 2	B2421737.33	Black	Felt Paper	None Detected
34	Layer 1	B2421737.34	Black	Tar	None Detected
	Layer 2	B2421737.34	Black	Felt Paper	None Detected
35	Layer 1	B2421737.35	Black	Tar	None Detected
	Layer 2	B2421737.35	Black	Felt Paper	None Detected
36		B2421737.36	Black	Transite	None Detected
37		B2421737.37	Gray	Transite	Chrysotile 15%
38		B2421737.38	Gray	Transite	Chrysotile 15%
39		B2421737.39	White	Concrete	None Detected
40	Layer 1	B2421737.40	White	Joint Compound	None Detected
	Layer 2	B2421737.40	White,Tan	Drywall	None Detected
	Layer 3	B2421737.40	White,Tan	Drywall/Joint Compound (Composite)	None Detected
41	Layer 1	B2421737.41	White	Joint Compound	None Detected
	Layer 2	B2421737.41	White,Tan	Drywall	None Detected



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PROJECT: 176 NW Crane Ave., T24-343

LAB CODE: B2421737

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 %
	Layer 3	B2421737.41	White, Tan	Drywall/Joint Compound (Composite)	None Detected
42		B2421737.42	White	Vibration Dampener	<b>Chrysotile 70%</b>
43		B2421737.43	White	Vibration Dampener	<b>Chrysotile 70%</b>
44		B2421737.44	Brown	Vibration Dampener	None Detected
45	Layer 1	B2421737.45	Yellow	Fiberglass Wrap	None Detected
	Layer 2	B2421737.45	White	Mastic	None Detected
46	Layer 1	B2421737.46	Yellow	Fiberglass Wrap	None Detected
	Layer 2	B2421737.46	White	Mastic	None Detected
47	Layer 1	B2421737.47	Yellow	Fiberglass Wrap	None Detected
	Layer 2	B2421737.47	White	Mastic	None Detected
48	Layer 1	B2421737.48	Yellow	Fiberglass Wrap	None Detected
	Layer 2	B2421737.48	White	Mastic	None Detected
49	Layer 1	B2421737.49	Black	Tar	None Detected
	Layer 2	B2421737.49	Black	Felt Paper	None Detected
50		B2421737.50	White	Concrete	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Southern Earth Sciences, Inc.  
3642 Peddie Drive  
Tallahassee, FL 32303

**Lab Code:** B2421737  
**Date Received:** 11-05-24  
**Date Analyzed:** 11-07-24  
**Date Reported:** 11-07-24

**Project:** 176 NW Crane Ave., T24-343

## 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>1</b> Layer 1 B2421737.01	Caulking	Homogeneous Clear Non-fibrous Bound	100%	Caulk	None Detected
Layer 2 B2421737.01	Caulking	Homogeneous Gray Non-fibrous Bound	98%	Caulk	<b>2% Chrysotile</b>
<b>2</b> B2421737.02	Glazing	Heterogeneous White Non-fibrous Bound	100% <1%	Binder Paint	None Detected
<b>3</b> B2421737.03	Caulking	Heterogeneous Gray Non-fibrous Bound	100% <1%	Caulk Paint	None Detected
<b>4</b> B2421737.04	Glazing	Heterogeneous White Non-fibrous Bound	100% <1%	Binder Paint	None Detected
<b>5</b> Layer 1 B2421737.05	Grout	Homogeneous Gray Non-fibrous Bound	65% 35%	Binder Silicates	<b>&lt;1% Chrysotile</b>
Layer 2 B2421737.05	Grout	Homogeneous Gray Non-fibrous Bound	100%	Binder	None Detected



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**Project:** 176 NW Crane Ave., T24-343

## 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	
Layer 3 B2421737.05	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
<b>6</b> Layer 1 B2421737.06	Grout	Homogeneous Gray Non-fibrous Bound	100%	Binder	None Detected
Layer 2 B2421737.06	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
<b>7</b> B2421737.07A	Floor Tile	Homogeneous Tan Non-fibrous Bound	90%	Vinyl	<b>10% Chrysotile</b>
B2421737.07B	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>8</b> B2421737.08A	Floor Tile	Homogeneous Tan Non-fibrous Bound	90%	Vinyl	<b>10% Chrysotile</b>
B2421737.08B	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>





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# ASBESTOS BULK ANALYSIS

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**Lab Code:** B2421737  
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**Project:** 176 NW Crane Ave., T24-343

## 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>9</b> B2421737.09A	Floor Tile	Homogeneous Blue Non-fibrous Bound	98%	Vinyl	<b>2% Chrysotile</b>
	B2421737.09B Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>10</b> B2421737.10A	Floor Tile	Homogeneous Blue Non-fibrous Bound	98%	Vinyl	<b>2% Chrysotile</b>
	B2421737.10B Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>11</b> B2421737.11	Transite	Heterogeneous Black Non-fibrous Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
	B2421737.12	Heterogeneous Black Non-fibrous Bound	85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>13</b> B2421737.13A	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Southern Earth Sciences, Inc.  
 3642 Peddie Drive  
 Tallahassee, FL 32303

**Lab Code:** B2421737  
**Date Received:** 11-05-24  
**Date Analyzed:** 11-07-24  
**Date Reported:** 11-07-24

**Project:** 176 NW Crane Ave., T24-343

## 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		
B2421737.13B	Plaster	Homogeneous Gray Non-fibrous Bound	65%	Binder	35%	Silicates	None Detected
<b>14</b> B2421737.14A	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic			None Detected
B2421737.14B	Plaster	Homogeneous Gray Non-fibrous Bound	65%	Binder	35%	Silicates	None Detected
<b>15</b> B2421737.15A	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic			None Detected
B2421737.15B	Plaster	Homogeneous Gray Non-fibrous Bound	65%	Binder	35%	Silicates	None Detected
<b>16</b> B2421737.16	Particle Board	Heterogeneous Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
<b>17</b> B2421737.17	Particle Board	Heterogeneous Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Southern Earth Sciences, Inc.  
3642 Peddie Drive  
Tallahassee, FL 32303

**Lab Code:** B2421737  
**Date Received:** 11-05-24  
**Date Analyzed:** 11-07-24  
**Date Reported:** 11-07-24

**Project:** 176 NW Crane Ave., T24-343

## 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>18</b> B2421737.18	Mastic Dot	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>19</b> B2421737.19	Mastic Dot	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
<b>20</b> B2421737.20A	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%	Vinyl	<b>3% Chrysotile</b>
B2421737.20B	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>21</b> B2421737.21A	Floor Tile	Homogeneous Beige Non-fibrous Bound	97%	Vinyl	<b>3% Chrysotile</b>
B2421737.21B	Mastic	Homogeneous Black Non-fibrous Bound	95%	Mastic	<b>5% Chrysotile</b>
<b>22</b> B2421737.22	Concrete	Heterogeneous Gray Non-fibrous Bound	65% 30% 5%	Binder Silicates Paint	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Southern Earth Sciences, Inc.  
 3642 Peddie Drive  
 Tallahassee, FL 32303

**Lab Code:** B2421737  
**Date Received:** 11-05-24  
**Date Analyzed:** 11-07-24  
**Date Reported:** 11-07-24

**Project:** 176 NW Crane Ave., T24-343

## 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	
23 B2421737.23	Concrete	Heterogeneous	65%	Binder	None Detected
		Gray	30%	Silicates	
		Non-fibrous	5%	Paint	
		Bound			
24 B2421737.24	Concrete	Heterogeneous	65%	Binder	None Detected
		Gray	30%	Silicates	
		Non-fibrous	5%	Paint	
		Bound			
25 B2421737.25	TSI Wrap	Homogeneous	35%	Binder	<b>65% Chrysotile</b>
		Gray			
		Fibrous			
		Bound			
26 B2421737.26	TSI Wrap	Homogeneous	35%	Binder	<b>65% Chrysotile</b>
		Gray			
		Fibrous			
		Bound			
27 B2421737.27	TSI Wrap	Homogeneous	10%	Cellulose	<b>25% Chrysotile</b>
		Gray	65%	Binder	
		Fibrous			
		Bound			
28 B2421737.28	TSI	Homogeneous	35%	Binder	<b>65% Chrysotile</b>
		Gray			
		Fibrous			
		Bound			
29 B2421737.29	TSI	Heterogeneous	60%	Binder	<b>20% Chrysotile</b>
		Tan,Silver	15%	Vermiculite	
		Fibrous	5%	Paint	
		Bound			



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Southern Earth Sciences, Inc.  
3642 Peddie Drive  
Tallahassee, FL 32303

**Lab Code:** B2421737  
**Date Received:** 11-05-24  
**Date Analyzed:** 11-07-24  
**Date Reported:** 11-07-24

**Project:** 176 NW Crane Ave., T24-343

## 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>30</b> B2421737.30	TSI	Heterogeneous	80%	Binder	None Detected
		Tan,Silver	15%	Vermiculite	
		Fibrous	5%	Paint	
		Bound			
<b>31</b> B2421737.31	TSI	Heterogeneous	80%	Binder	None Detected
		Tan,Silver	15%	Vermiculite	
		Fibrous	5%	Paint	
		Bound			
<b>32</b> Layer 1 B2421737.32	Tar	Homogeneous	100%	Tar	None Detected
		Black			
		Non-fibrous			
		Bound			
Layer 2 B2421737.32	Felt Paper	Homogeneous	70%	Fiberglass	None Detected
		Black	30%	Tar	
		Fibrous			
		Bound			
<b>33</b> Layer 1 B2421737.33	Tar	Homogeneous	100%	Tar	None Detected
		Black			
		Non-fibrous			
		Bound			
Layer 2 B2421737.33	Felt Paper	Homogeneous	70%	Fiberglass	None Detected
		Black	30%	Tar	
		Fibrous			
		Bound			
<b>34</b> Layer 1 B2421737.34	Tar	Homogeneous	100%	Tar	None Detected
		Black			
		Non-fibrous			
		Bound			



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## 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		
Layer 2 B2421737.34	Felt Paper	Homogeneous Black Fibrous Bound	70%	Fiberglass	30%	Tar	None Detected
<b>35</b> Layer 1 B2421737.35	Tar	Homogeneous Black Non-fibrous Bound			100%	Tar	None Detected
Layer 2 B2421737.35	Felt Paper	Homogeneous Black Fibrous Bound	70%	Fiberglass	30%	Tar	None Detected
<b>36</b> B2421737.36	Transite	Homogeneous Black Non-fibrous Bound			90%	Binder 10% Silicates	None Detected
<b>37</b> B2421737.37	Transite	Homogeneous Gray Non-fibrous Bound			85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>38</b> B2421737.38	Transite	Homogeneous Gray Non-fibrous Bound			85% <1%	Binder Paint	<b>15% Chrysotile</b>
<b>39</b> B2421737.39	Concrete	Homogeneous White Fibrous Bound	15%	Cellulose	85%	Binder	None Detected



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# ASBESTOS BULK ANALYSIS

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**Project:** 176 NW Crane Ave., T24-343

## 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		
40 Layer 1 B2421737.40	Joint Compound	Heterogeneous			65%	Binder	None Detected
		White			30%	Calc Carb	
		Non-fibrous			5%	Paint	
		Bound					
Layer 2 B2421737.40	Drywall	Heterogeneous	20%	Cellulose	80%	Gypsum	None Detected
		White,Tan					
		Fibrous					
		Bound					
Layer 3 B2421737.40	Drywall/Joint Compound (Composite)	Heterogeneous	20%	Cellulose	75%	Gypsum	None Detected
		White,Tan			5%	Calc Carb	
		Fibrous			<1%	Paint	
		Bound					
41 Layer 1 B2421737.41	Joint Compound	Heterogeneous			65%	Binder	None Detected
		White			30%	Calc Carb	
		Non-fibrous			5%	Paint	
		Bound					
Layer 2 B2421737.41	Drywall	Heterogeneous	20%	Cellulose	80%	Gypsum	None Detected
		White,Tan					
		Fibrous					
		Bound					
Layer 3 B2421737.41	Drywall/Joint Compound (Composite)	Heterogeneous	20%	Cellulose	75%	Gypsum	None Detected
		White,Tan			5%	Calc Carb	
		Fibrous			<1%	Paint	
		Bound					
42 B2421737.42	Vibration Dampener	Heterogeneous			25%	Binder	70% Chrysotile
		White			5%	Paint	
		Fibrous					
		Bound					



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**Project:** 176 NW Crane Ave., T24-343

## 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	
43 B2421737.43	Vibration Dampener	Heterogeneous	25%	Binder	70% Chrysotile	
		White Fibrous Bound	5%	Paint		
44 B2421737.44	Vibration Dampener	Homogeneous	90%	Cellulose	None Detected	
		Brown Fibrous Bound	10%	Binder		
45 Layer 1 B2421737.45	Fiberglass Wrap	Homogeneous	100%	Fiberglass	None Detected	
		Yellow Fibrous Loosely Bound				
Layer 2 B2421737.45	Mastic	Homogeneous	100%	Mastic	None Detected	
		White Non-fibrous Bound				
46 Layer 1 B2421737.46	Fiberglass Wrap	Homogeneous	100%	Fiberglass	None Detected	
		Yellow Fibrous Loosely Bound				
Layer 2 B2421737.46	Mastic	Homogeneous	100%	Mastic	None Detected	
		White Non-fibrous Bound				
47 Layer 1 B2421737.47	Fiberglass Wrap	Homogeneous	100%	Fiberglass	None Detected	
		Yellow Fibrous Loosely Bound				





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**Project:** 176 NW Crane Ave., T24-343

## 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	
Layer 2 B2421737.47	Mastic	Homogeneous White Non-fibrous Bound	100%	Mastic	None Detected
<b>48</b> Layer 1 B2421737.48	Fiberglass Wrap	Homogeneous Yellow Fibrous Loosely Bound	100%	Fiberglass	None Detected
Layer 2 B2421737.48	Mastic	Homogeneous White Non-fibrous Bound	100%	Mastic	None Detected
<b>49</b> Layer 1 B2421737.49	Tar	Homogeneous Black Non-fibrous Bound	100%	Tar	None Detected
Layer 2 B2421737.49	Felt Paper	Homogeneous Black Fibrous Bound	70%	Fiberglass	30% Tar None Detected
<b>50</b> B2421737.50	Concrete	Homogeneous White Fibrous Bound	15%	Cellulose	85% Binder None Detected

---

**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

---

**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.*

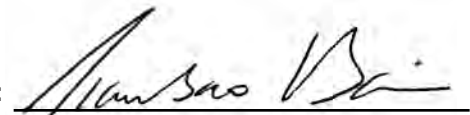
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation 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:**

  
Zane Heinz

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director





CEI

# CHAIN OF CUSTODY

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

LAB USE ONLY:
CEI Lab Code: <b>B2421737</b>
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Nate Russell
Company: Southern Earth Sciences	Email / Tel: nrussell@soearth.com , 850-264-4652
Address: 1246 Timberlane Rd.	Project Name: <b>176 NW Crane Ave.</b>
Tallahassee, FL 32312	Project ID#: <b>T24-343</b>
Email: nrussell@soearth.com , mwilson@soearth.com	PO #:
Tel: 850-576-4652 Fax:	STATE SAMPLES COLLECTED IN:

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<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	<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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<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"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples
		<input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:
<i>Nate Russell</i>	<i>11/4/24 5pm</i>	<i>[Signature]</i>
		Date/Time
		<i>11/05/24 10:00</i>

Samples will be disposed of 30 days after analysis



# ASBESTOS SAMPLING FORM

COMPANY CONTACT INFORMATION	
Company: <b>SOUTHERN EARTH SCIENCES</b>	Job Contact: <b>Nathan Russell</b>
Project Name:	<b>SESI Tallahassee Office</b>
Project ID #: <b>T24-343</b>	Tel: <b>850-519-1565 850-264-4652</b>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
1	Ext windows	Caulk	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
2	" "	Glazing	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
3	" "	Caulk	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
4	" "	Glazing	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
5	" Bldg Joints	Grout	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
6	" " "	Grout	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
7	Auditorium Floor	Tan 9x9 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
8	Classroom "	Tan 9x9 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
9	" "	Blue 9x9 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
10	" "	Blue 9x9 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
11	storage room counter	Transite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
12	" " "	Transite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
13	Classroom wallboard base	Plaster / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
14	" "	Plaster / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
15	" "	Plaster / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
16	Classroom 4 wall board	Particle Board	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
17	" 2 "	Particle Board	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
18	" 8 wall board	mastric Bit	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
19	" 6 " "	mastric Bit	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
20	" " Floor	12x12 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
21	" 8 "	12x12 / BM	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
22	exterior walkway slab	concrete	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
23	" North Bldg slab	concrete	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
24	" south Bldg slab	concrete	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
25	Boiler room vent	T&I wrap	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
26	" " "	T&I wrap	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
27	" " "	T&I wrap	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
28	" " pipe insulation	T&I	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>

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

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
29	Boiler room mid elbow	TST	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
30	" " debris floor	TST	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
31	" " " top Boiler	TST	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
32	N Bldg Roof	Tar/felt	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
33	" " "	Tar/felt	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
34	S " "	Tar/felt	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
35	" " "	Tar/felt	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
36	class 9 sink	transite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
37	N Bldg soffits	transite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
38	walkway cover	transite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
39	" " "	soff concrete	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
40	Rm 1 DW Wall	DW/PC composite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
41	" " "	DW/PC composite	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
42	Auditorium ceiling	vibration damp	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
43	Office 1 "	"	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
44	" 2 "	"	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
45	Auditorium "	FBGL wrap/w/m	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
46	Office 1 "	wrap/w/m	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
47	class 2 "	wrap/w/m	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
48	" 4 "	wrap/w/m	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
49	walkway roof	Tar/felt	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
50	class 1 ceiling	soff concrete	PLM	<input checked="" type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

# CERTIFICATIONS



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



**STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**SOUTHERN EARTH SCIENCES INC**

MARK E. WILSON  
1246 TIMBERLANE ROAD  
TALLAHASSEE FL 32312

**LICENSE NUMBER: ZA0000092**

**EXPIRATION DATE: NOVEMBER 30, 2025**

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Ron DeSantis, Governor

Melanie S. Griffin, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS CONSULTANT HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**WILSON, MARK E**

SOUTHERN EARTH SCIENCES INC  
3642 PEDDIE DRIVE  
TALLAHASSEE FL 32303

**LICENSE NUMBER: AX85**

**EXPIRATION DATE: NOVEMBER 30, 2024**

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certifies

# Roy Russell

1246 Timberlane Rd Tallahassee FL 32312

Having passed a 25-question exam with a score of 70% or higher has successfully met training requirements for

## *Asbestos Refresher: Inspector*

FDBPR Asbestos Licensing Unit: Provider #0000995; Course #FL49-0004731 (½ Day; 3.40 Contact Hours)  
(**Reaccreditation for Inspector under TSCA Title II/AHERA**)

*Conducted*

**8/6/2024**

**Certificate #: 0078 - 007-34445**

**Exam Date: 8/6/2024**

**EPA accreditation expires: 8/6/2025**

**Principal Instructor: Brian Duchene, PE, LAC**

**CEUs: .4**

**FBPR LAC: #0000995; Course #0004731**

**FBPE CEHs: #0004021; Course #0009083/Educational Institutions: 4 CEHs**

**AL Safe State: Teacher name on roster**



Andrew Campbell, Director

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# ***The Environmental Institute***

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## ***Nathaniel Russell***

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Social Security Number - XXX-XX-5135

Southern Earth Sciences - 1246 Timber Lane Road, Tallahassee, FL 32312

*Has completed 24 hours of coursework and satisfactorily  
passed an examination that meets all criteria required for  
EPA/AHERA/ASHARA (TSCA Title II) Approved Accreditation*

### ***Asbestos in Buildings: Inspection and Assessment***

***April 15-17, 2024***

Course Date

**5793**

Certificate Number

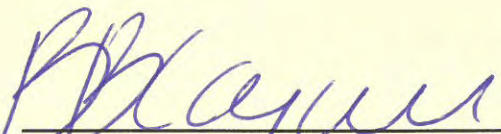
***April 17, 2024***

Examination Date

***April 17, 2025***

Expiration Date



  
Beverly B. Campbell - Course Director/Training Manager

(Approved by the ABIH Certification Maintenance Committee for 3 CM points - Approval #11-529)

Alabama Accreditation # SS-2210-ASBTPR-01; Tennessee Accreditation # A-TP-II-148-139088; Florida Accreditation #0004700

TEI - 1395 S. Marietta Parkway SE - Building 100, Suite 124 - Marietta, GA 30067

Phone: 770-427-3600 - Website: [www.tei-atl.com](http://www.tei-atl.com)

# United States Environmental Protection Agency

This is to certify that



Southern Earth Sciences

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

**In the Jurisdiction of:**

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 09, 2025

LBP-15608-3

Certification #

May 06, 2022

Issued On

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

# United States Environmental Protection Agency

This is to certify that



Roy L Russell

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 31, 2026

LBP-I-5950-3

Certification #

August 11, 2023

Issued On



A handwritten signature in black ink, appearing to read "Adrienne Priselac".

Adrienne Priselac, Manager, Toxics Office

Land Division