



Asbestos & Lead Based Paint Assessment

City of Spartanburg
218 North Forest Street
Spartanburg, South Carolina 29301

Prepared for:

The City of Spartanburg
440 South Church St., Suite B
Spartanburg, South Carolina 29306

Prepared by:

Apex Environmental Management, Inc.
7 Winchester Court
Mauldin, South Carolina 29662

Project Number: 0120-17

July 10, 2020





July 10, 2020

**Environmental
Management**

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Mr. Jeff Tillerson
City of Spartanburg
440 South Church Street, Suite B
Spartanburg, SC 29306

Reference: Asbestos and Lead-Based Paint Assessment Services
218 North Forest Street
Spartanburg, South Carolina 29301

Dear Mr. Tillerson:

Apex Environmental Management, Inc. (Apex) is pleased to provide the results of our assessment services for the referenced property.

This report and the associated attachments summarize our evaluation of the conditions observed at the project site. The findings presented by Apex are based upon sampling performed in the subject building. There is a chance that undetected ACM may exist in the building between walls or in other areas that would only be exposed during demolition or structural renovations. Should material be discovered that could potentially contain asbestos during the demolition process, additional samples of the material should be collected by a licensed asbestos inspector and submitted to an accredited laboratory for analytical interpretation. Our recommendations are based on the guidelines presented in EPA and/or OSHA regulations.

Please note that this document is not a specification for asbestos removal. It does not contain means and methods for abatement. Quantities are estimates and contractors must verify amounts prior to bidding or removal. If you are planning an abatement project, please contact Apex to discuss the requirements. Use of this document without the express written consent of Apex is at the sole risk of the user and or/abatement contractor.

The conclusions and/or recommendations contained in this report are based on our understanding of the applicable standards at the time this report was prepared. No warranty, expressed or implied, is made. If you have any questions please feel free to contact us at (864) 404-3210.

Respectfully submitted,
APEX ENVIRONMENTAL MANAGEMENT, INC.

Tom Oliver
Vice President

Appendices

ASBESTOS AND LEAD BASED PAINT ASSESSMENT

**CITY OF SPARTANBURG
218 NORTH FOREST STREET
SPARTANBURG, SOUTH CAROLINA 29301**

APEX PROJECT NO. 0120-17

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SECTION I

Asbestos & Lead Evaluation Report

**ASBESTOS EVALUATION REPORT
APEX PROJECT NUMBER: 0120-17**

Date:	7/10/2020	Page Number:	1 of 4
Client:	City of Spartanburg	Client Contact:	Mr. Jeff Tillerson
Client Address:	440 South Church Street Suite B Spartanburg, SC 29306	Client Phone Number:	(864) 596-2911
Project:	Asbestos Evaluation and Lead Based Paint Assessment		
Property Address:	218 North Forest Street Spartanburg, SC 29301		
Assessor:	Tom Oliver	Date of Assessment:	6/23/2020
Company:	Apex Environmental Management 7 Winchester Court Mauldin, SC 29662	Phone Number:	(864) 404-3210
Purpose of Assessment:	Demolition	Age of Structure:	Approximately 120 years
Building Type:	Residential – 4 Apartments	Number of Stories:	2
Foundation:	Block Crawlspace	Approximate Square Footage	3,400 SF

EXTERIOR BUILDING MATERIALS

- Pitched wooden roof with shingles & felt.
- Wooden clapboard siding.
- Wooden windows with caulk on the glass panes.
- Vinyl windows with & without caulk.
- Wooden window & door casings & 1 vinyl window casing.
- Chimney tar on 2 chimneys & vent pipes – assumed to be ACM.

INTERIOR BUILDING MATERIALS

- Plaster with finish walls & ceiling throughout.
- Drywall with joint compound & tape walls & ceilings scattered throughout the building.
- Ceiling texture scattered throughout.
- Wooden wall panels with no mastic.
- Wooden floors.
- Multiple types & layers of vinyl flooring with & without mastics/adhesives.

SCOPE OF THE SURVEY

The objectives of the asbestos and lead assessment included the following:

- Identification of suspect asbestos-containing material (ACM) and lead based paints (LBP) in readily observable locations. Limited demolition of building finishes was conducted.
- Asbestos survey with sample collection by a South Carolina accredited inspector.
- Suspect ACM analysis by polarized light microscopy (PLM) utilizing EMSL Analytical, Inc. (EMSL) as an NVLAP certified laboratory, their accreditation number is 200841-0.
- Transmission electron microscopy (TEM) analysis of non-friable organically bound materials suspected to contain asbestos and testing negatively by PLM analysis.
- Lead inspection by a lead inspector certified by the Environmental Protection Agency and licensed to conduct LBP surveys in South Carolina.
- In situ analysis of suspected lead based paints by X-ray fluorescence (XRF).
- Presenting the results in a report identifying confirmed ACMs and LBPs.

METHODS

Asbestos Containing Materials

In order to determine if the suspect materials observed during the visual survey contained asbestos, representative bulk samples were collected and placed in sealed packages. Fifty-nine (59) bulk samples were collected during the survey and submitted to EMSL in Pineville, North Carolina for analysis using the EPA recommended method of Polarized Light Microscopy (PLM) coupled with dispersion staining (Method No. EPA 600/M4-82-020, Dec. 1982). EMSL participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Their NVLAP accreditation number is 200841-0. EPA regulations require that multiple samples of each homogeneous material be collected for laboratory analysis. Seventy-two (72) samples were analyzed due to layering by PLM and positive stop methods. In accordance with South Carolina Regulation 61-86.1, non-friable organically bound materials that are reported to be non-asbestos containing by PLM analysis must also be analyzed by Transmission Electron Microscopy (TEM). Nineteen (19) samples were analyzed using TEM.

Lead-Based Paint

Lead painted surfaces were analyzed in place using X-ray fluorescence. Painted surfaces were selected based on color of topcoat, underlying layers and substrate on which it was painted.

RESULTS

Asbestos Results

The EPA defines an asbestos-containing material (ACM) as a material containing more than 1% asbestos. OSHA defines ACM as a material containing detectable amounts of asbestos. It should be noted that materials were identified to contain less than 1% asbestos and OSHA Construction Industry Asbestos Standards (29 CFR 1926.1101) will apply if those materials are disturbed during renovation or demolition activities. Provided below is a general discussion of the asbestos containing materials identified in the residence. A specific *PLM and TEM Data Table* is located in Appendix II of this report and identifies positive materials and designates approximate quantities.

Suspect asbestos containing materials that were identified to be asbestos containing include:

- Approximately 80 SF of the brown large square pattern vinyl floor in Apartment 1 kitchen (top layer).
- Approximately 80 SF of the brown small square pattern vinyl floor in Apartment 1 kitchen (2nd layer under wood).
- Approximately 20 LF of black tar on 2 chimneys and vent pipes – assumed positive

Lead Based Paint

OSHA does not recognize a threshold level of lead for definition purposes, only the presence or absence of lead. The current OSHA regulations recognize an airborne action level of thirty micrograms per cubic meter (30 µg/m³) during an eight-hour workday and a permissible exposure level of fifty micrograms per cubic meter (50 µg/m³) for employees.

Currently, EPA defines LBP as paint containing in excess of, or equal to, 1.0 mg/cm². *XRF LBP Data Sheets* providing XRF results for testing combinations can be found in the Appendices at the conclusion of this report. Paint-chip sampling was not required for XRF inconclusive values.

Several surfaces in the building tested positive for lead in excess of the regulatory definition of LBP:

Exterior:

- White wooden door casings.
- Green wooden siding & corner trim.
- White wooden windows & window casings.
- White concrete columns and associated bases.
- Gray wooden roof overhang and front porch ceiling.

Interior:

- Yellow wooden walls.

RECOMMENDATIONS AND DISCUSSION

Asbestos Containing Materials

If the above referenced asbestos materials are to be disturbed by renovations or demolition, the asbestos must be removed in accordance with EPA, State of South Carolina and OSHA asbestos regulations. The State of South Carolina, Department of Health and Environmental Control (DHEC) has specific regulations that must be adhered to during asbestos removal/abatement projects.

APEX recommends the following:

1. Abate the asbestos containing materials in the structure prior to renovation or demolition.

2. Follow applicable asbestos regulations during renovation or demolition of the structure. You should be aware that stringent requirements are imposed upon anyone renovating or demolishing a structure in which ACM will be disturbed. This work must be performed in accordance with OSHA asbestos regulations, 29 CFR 1910 & 1926, and NESHAP asbestos regulations 40 CFR 61, subpart M. South Carolina regulations require the accreditation of personnel who work in the asbestos field and notification and permitting fees for asbestos removal projects. There is a 10 working day notification period required prior to abatement of asbestos in a facility. Failure to take proper precautions and actions to protect human health and the environment can result in penalties, danger to personnel, and construction delays.

Lead-Based Paint

Currently the Environmental Protection Agency (EPA) define LBP as paint containing greater than 1.0 milligrams per square centimeter (mg/cm^2) lead or in excess of, or equal to, 0.5 percent lead. Building materials identified as being painted with LBP should be segregated from the other building materials and recycled or disposed of in a municipal lined landfill. The removed wastes would need to be containerized and further tested by Toxic Characteristic Leaching procedures (TCLP) to determine if the waste is classified as hazardous. The remaining building materials that are not painted with LBP may be disposed of in a construction and demolition landfill. However, the landfills should be contacted to determine their specific disposal requirements.

Occupational Safety and Health Administration Lead Regulations apply to actions initiated on lead containing materials. This regulation applies to lead concentrations greater than the analytical limit of detection. This regulation sets exposure levels on airborne lead and does not reference the percent lead in paint. Therefore, initial personal air monitoring should be conducted on workers performing work on surfaces which have a lead concentration of $0.1 \text{ mg}/\text{cm}^2$ or above to satisfy the OSHA requirements. If a baseline exposure lower than the OSHA Action Level of 30 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) is established, personal air monitoring may be terminated. The full OSHA lead standard should be referenced for compliance.

A copy of this report must be submitted to SCDHEC at least ten (10) working days prior to demolition when applying for a demolition permit.

SECTION II

Asbestos & LBP Data Tables

PLM & TEM ANALYSIS

rest Street NIP ACM-LBP

Sampled By: Tom Oliver

reet, Spartanburg, South Carolina 29301

Project Manager: Tom Oliver

Date: 6/23/2020

	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
	Roof shingles (2 layers) & felt (1 layer)	PLM - NAD	Non-Friable	Good	2,800 SF
		TEM - NAD			
ns	Wooden window caulk	PLM - NAD	Non-Friable	Good	20 EA
		TEM - NAD			
door yl g	Window & door casing caulk	PLM - NAD	Non-Friable	Good	23 EA
		TEM - NAD			
s &	Plaster with finish	PLM - NAD	Friable	Good	6,400 SF
out s	Drywall with joint compound & no tape	PLM - NAD	Friable	Good	2,100 SF
out	Ceiling texture	PLM - NAD	Friable	Good	1,300 SF

PLM & TEM ANALYSIS

rest Street NIP ACM-LBP

Sampled By: Tom Oliver

street, Spartanburg, South Carolina 29301

Project Manager: Tom Oliver

Date: 6/23/2020

	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
Kitchen	Brown large square pattern vinyl floor & adhesive	PLM - 8% chrysotile (flooring) <1% chrysotile (mastic)	Non-Friable	Good	80 SF
		TEM - 0.62% chrysotile (mastic)			
Kitchen	Brown small square pattern vinyl floor & adhesive	PLM - 5% chrysotile (flooring) <1% chrysotile (mastic)	Non-Friable	Good	80 SF
		TEM - NAD (mastic)			
Room	Tan medium square pattern vinyl floor & yellow adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			
Room	Brown large rectangle pattern vinyl floor with no mastic/adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			
Kitchen	Beige medium square pattern vinyl floor with no mastic/adhesive	PLM - NAD	Non-Friable	Good	80 SF
		TEM - NAD			
Kitchen	12" x 12" brown floor tile & mastic	PLM - NAD	Non-Friable	Good	80 SF
		TEM - NAD			
Room	Cream pattern vinyl floor with no mastic/adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			
Room	White square pattern vinyl floor & adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			
Room	Gray pebble pattern vinyl floor & adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			

PLM & TEM ANALYSIS

rest Street NIP ACM-LBP

Sampled By: Tom Oliver

street, Spartanburg, South Carolina 29301

Project Manager: Tom Oliver

Date: 6/23/2020

	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
room (wood)	Gray slate stone pattern vinyl floor with no mastic/adhesive	PLM - NAD	Non-Friable	Good	50 SF
		TEM - NAD			
room	2' x 4' ceiling tile	PLM - NAD	Friable	Good	70 SF
ent	Chimney & vent pip tar	Assumed	Non-friable	Good	20 LF

LF = Linear Feet
SF = Square Feet

EA = Each
Chry = Chrysotile

XRF LBP ANALYSIS

3 North Forest Street NIP ACM-LBP

Sampled By: Tom Oliver

h Forest Street, Spartanburg, SC 29301

Project Manager: Tom Oliver

Date: 6/23/2020

Location	Component	Color	Substrate	Analytical Result (mg/m ³)
	Standardization			184.44
	Calibration			1.27
	Calibration			1.10
	Calibration			1.19
Interior	Door	White	Wood	0.14
Interior	Door casing	White	Wood	1.78
Interior	Siding	Green	Wood	3.00
Interior	Window	White	Wood	3.51
Interior	Window casing	White	Wood	1.36
Interior	House skirt	Green	Wood	0.02
Interior	Corner trim	Green	Wood	1.68
Interior	Handrail	Red	Wood	0.00
Interior	Stairs	Red	Wood	0.00
Interior	Foundation	Gray	Block	0.02
Interior	Foundation	Gray	Brick	0.02
Interior	Column	White	Concrete	1.52
Interior	Column base	White	Concrete	1.70
Interior	Front porch floor	Gray	Concrete	0.06
Interior	Roof overhang	Gray	Wood	4.34
Interior	Front porch ceiling	Gray	Wood	3.87
Interior	Wall	Tan	Plaster	0.08
Interior	Wainscoting	Tan	Wood	0.02
Interior	Door	Tan	Wood	0.00
Interior	Door casing	Tan	Wood	0.00
Interior	Stairs	Brown	Wood	0.17

XRF LBP ANALYSIS

3 North Forest Street NIP ACM-LBP

Sampled By: Tom Oliver

h Forest Street, Spartanburg, SC 29301

Project Manager: Tom Oliver

Date: 6/23/2020

Location	Component	Color	Substrate	Analytical Result (mg/m ³)
Interior	Handrail	Tan	Wood	0.05
Interior	Ceiling	White	Plaster	0.06
Interior	Wall	Yellow	Drywall	0.00
Interior	Wall	Yellow	Wood	3.71
Interior	Window	Tan	Wood	0.20
Interior	Window casing	Tan	Wood	0.02
Interior	Fireplace mantle	Brown	Wood	0.06
Interior	Fireplace	Black	Metal	0.04
Interior	Wall	Blue	Plaster	0.00
Interior	Cabinet	White	Wood	0.00
Interior	Window	White	Wood	0.00
Interior	Door	White	Wood	0.00
Interior	Door casing	White	Wood	0.00
Interior	Wall	Brown	Wood	0.62
	Calibration			
	Calibration			
	Calibration			

SECTION III

Laboratory Analytical Results & Chain of Custody



EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412005337

Customer ID: AXEM25

Customer PO:

Project ID: City of Spartanburg

Attention: Tom Oliver
Apex Environmental Management
7 Winchester Court
Mauldin, SC 29662

Phone: (864) 640-5274

Fax:

Received Date: 06/29/2020 9:40 AM

Analysis Date: 06/29/2020 - 07/01/2020

Collected Date:

Project: COS 218 N. Forest St. (City of Spartanburg)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-Shingle 1 412005337-0001	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	8% Glass	15% Quartz 15% Ca Carbonate 62% Non-fibrous (Other)	None Detected
1-Shingle 2 412005337-0001A	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	5% Glass	15% Quartz 15% Ca Carbonate 65% Non-fibrous (Other)	None Detected
1-Felt 412005337-0001B	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
2-Shingle 1 412005337-0002	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Fibrous Homogeneous	5% Glass	10% Quartz 10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
2-Shingle 2 412005337-0002A	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	5% Glass	10% Quartz 10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
2-Felt 412005337-0002B	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
2-Tar 412005337-0002C	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	<1% Glass	100% Non-fibrous (Other)	None Detected
4 412005337-0003	Wooden Window Caulk	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
5 412005337-0004	Wooden Window Caulk	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
7 412005337-0005	Wooden Window & Door Casing Caulk	White/Green Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
8 412005337-0006	Wooden Window & Door Casing Caulk	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
10-Skim Coat 412005337-0007	Plaster w/ Finish	Tan/Green Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
10-Rough Coat 412005337-0007A	Plaster w/ Finish	Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	35% Quartz 35% Gypsum 28% Non-fibrous (Other)	None Detected
11-Skim Coat 412005337-0008	Plaster w/ Finish	Tan/Green Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
11-Rough Coat 412005337-0008A	Plaster w/ Finish	Gray/Tan Non-Fibrous Homogeneous		35% Quartz 30% Gypsum 35% Non-fibrous (Other)	None Detected
12-Skim Coat 412005337-0009	Plaster w/ Finish	White/Green Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected

Initial report from: 07/01/2020 14:29:57



EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412005337

Customer ID: AXEM25

Customer PO:

Project ID: City of Spartanburg

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-Rough Coat 412005337-0009A	Plaster w/ Finish	Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	35% Quartz 35% Gypsum 28% Non-fibrous (Other)	None Detected
13-Skim Coat 412005337-0010	Plaster w/ Finish	White/Green Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
13-Rough Coat 412005337-0010A	Plaster w/ Finish	Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	30% Quartz 30% Gypsum 38% Non-fibrous (Other)	None Detected
14-Skim Coat 412005337-0011	Plaster w/ Finish	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
14-Rough Coat 412005337-0011A	Plaster w/ Finish	Tan Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (Other)	None Detected
15-Skim Coat 412005337-0012	Plaster w/ Finish	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
15-Rough Coat 412005337-0012A	Plaster w/ Finish	Tan Fibrous Homogeneous	1% Synthetic	25% Quartz 74% Non-fibrous (Other)	None Detected
16-Skim Coat 412005337-0013	Plaster w/ Finish	Green/Beige Non-Fibrous Homogeneous		8% Ca Carbonate 92% Non-fibrous (Other)	None Detected
16-Rough Coat 412005337-0013A	Plaster w/ Finish	Beige Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (Other)	None Detected
17-Drywall 412005337-0014	Drywall w/ Joint Compound & No Tape	Gray Non-Fibrous Homogeneous	5% Cellulose	45% Gypsum 50% Non-fibrous (Other)	None Detected
17-Joint Compound 412005337-0014A	Drywall w/ Joint Compound & No Tape	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
18-Drywall 412005337-0015	Drywall w/ Joint Compound & No Tape	Brown/Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
18-Joint Compound 412005337-0015A	Drywall w/ Joint Compound & No Tape	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
19-Drywall 412005337-0016	Drywall w/ Joint Compound & No Tape	Brown/Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
19-Joint Compound 412005337-0016A	Drywall w/ Joint Compound & No Tape	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
20-Drywall 412005337-0017	Drywall w/ Joint Compound & No Tape	Gray Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
20-Joint Compound 412005337-0017A	Drywall w/ Joint Compound & No Tape	White Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
21-Drywall 412005337-0018	Drywall w/ Joint Compound & No Tape	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
21-Joint Compound 412005337-0018A	Drywall w/ Joint Compound & No Tape	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial report from: 07/01/2020 14:29:57



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Project ID: City of Spartanburg

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22 412005337-0019	Ceiling Texture	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
23 412005337-0020	Ceiling Texture	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
24 412005337-0021	Ceiling Texture	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
25 412005337-0022	Ceiling Texture	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
26 412005337-0023	Ceiling Texture	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
26A-Flooring 412005337-0024	Brown Large Square Pattern Vinyl Floor & Adhesive	Red Fibrous Homogeneous	5% Cellulose	87% Non-fibrous (Other)	8% Chrysotile
26A-Mastic 412005337-0024A <i>Possible contamination</i>	Brown Large Square Pattern Vinyl Floor & Adhesive	Brown Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	<1% Chrysotile
27-Flooring 412005337-0025	Brown Large Square Pattern Vinyl Floor & Adhesive				Positive Stop (Not Analyzed)
27-Mastic 412005337-0025A <i>Possible contamination</i>	Brown Large Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
29-Flooring 412005337-0026	Brown Small Square Pattern Vinyl Floor & Adhesive	Brown/Gray Non-Fibrous Homogeneous	8% Cellulose	87% Non-fibrous (Other)	5% Chrysotile
29-Mastic 412005337-0026A <i>Possible contamination</i>	Brown Small Square Pattern Vinyl Floor & Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
30-Flooring 412005337-0027	Brown Small Square Pattern Vinyl Floor & Adhesive				Positive Stop (Not Analyzed)
30-Mastic 412005337-0027A	Brown Small Square Pattern Vinyl Floor & Adhesive	Brown/Gray Non-Fibrous Homogeneous	<1% Cellulose	5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
32-Flooring 412005337-0028	Tan Medium Square Pattern Vinyl Floor & Adhesive	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32-Mastic 412005337-0028A	Tan Medium Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
33-Flooring 412005337-0029	Tan Medium Square Pattern Vinyl Floor & Adhesive	Tan/White Non-Fibrous Homogeneous		8% Ca Carbonate 92% Non-fibrous (Other)	None Detected
33-Mastic 412005337-0029A	Tan Medium Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected



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EMSL Order: 412005337

Customer ID: AXEM25

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Project ID: City of Spartanburg

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
35-Flooring 412005337-0030 <i>No mastic present</i>	Brown Large Rectangle Pattern Vinyl Floor & Adhesive	Beige Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
36-Flooring 412005337-0031 <i>No mastic present</i>	Brown Large Rectangle Pattern Vinyl Floor & Adhesive	Tan/White Fibrous Heterogeneous	4% Glass	96% Non-fibrous (Other)	None Detected
38-Flooring 412005337-0032 <i>No mastic present</i>	Beige Medium Square Pattern Vinyl Floor & Adhesive	Beige Fibrous Homogeneous	15% Cellulose	10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
39-Flooring 412005337-0033 <i>No mastic present</i>	Beige Medium Square Pattern Vinyl Floor & Adhesive	Gray/Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
41-Floor Tile 412005337-0034	12"x12" Brown Floor Tile & Mastic	Brown Non-Fibrous Homogeneous	5% Synthetic	35% Ca Carbonate 60% Non-fibrous (Other)	None Detected
41-Mastic 412005337-0034A	12"x12" Brown Floor Tile & Mastic	Red/Clear Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
42-Floor Tile 412005337-0035	12"x12" Brown Floor Tile & Mastic	Brown/Tan Non-Fibrous Homogeneous	2% Synthetic	20% Ca Carbonate 78% Non-fibrous (Other)	None Detected
42-Mastic 412005337-0035A	12"x12" Brown Floor Tile & Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
44 412005337-0036	Cream Pattern Vinyl Floor w/ No Adhesive	Beige Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
45 412005337-0037	Cream Pattern Vinyl Floor w/ No Adhesive	Tan/White Fibrous Heterogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
47-Flooring 412005337-0038	White Square Pattern Vinyl Floor & Adhesive	White Fibrous Homogeneous	15% Cellulose 3% Synthetic 3% Glass	79% Non-fibrous (Other)	None Detected
47-Mastic 412005337-0038A	White Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
48-Flooring 412005337-0039	White Square Pattern Vinyl Floor & Adhesive	Gray/White Fibrous Heterogeneous	20% Cellulose 2% Glass	78% Non-fibrous (Other)	None Detected
48-Mastic 412005337-0039A	White Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
50-Flooring 412005337-0040	Gray Pebble Pattern Vinyl Floor & Adhesive	Beige Fibrous Homogeneous	6% Cellulose 4% Synthetic 3% Glass	87% Non-fibrous (Other)	None Detected
50-Mastic 412005337-0040A	Gray Pebble Pattern Vinyl Floor & Adhesive	Beige Non-Fibrous Homogeneous	1% Cellulose 1% Synthetic 1% Glass	97% Non-fibrous (Other)	None Detected
51-Flooring 412005337-0041	Gray Pebble Pattern Vinyl Floor & Adhesive	Gray/Tan Fibrous Heterogeneous	5% Cellulose 8% Synthetic 2% Glass	10% Ca Carbonate 75% Non-fibrous (Other)	None Detected

Initial report from: 07/01/2020 14:29:57



EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

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http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412005337

Customer ID: AXEM25

Customer PO:

Project ID: City of Spartanburg

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
51-Mastic 412005337-0041A	Gray Pebble Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
53-Flooring 412005337-0042 No mastic present	Gray Slate Pattern Vinyl Floor & Adhesive	Gray Fibrous Homogeneous		88% Non-fibrous (Other)	12% Chrysotile
54-Flooring 412005337-0043 No mastic present	Gray Slate Pattern Vinyl Floor & Adhesive				Positive Stop (Not Analyzed)
56 412005337-0044	2'x4' Ceiling Tiles	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Perlite	None Detected
57 412005337-0045	2'x4' Ceiling Tiles	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Perlite	None Detected
58 412005337-0046	2'x4' Ceiling Tiles	Gray/White Non-Fibrous Homogeneous	60% Cellulose 10% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected

Analyst(s)

Aaron Hartley (35)

Brant Alyea (12)

Eric Loomis (25)

Lee Plumley, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from: 07/01/2020 14:29:57



EMSL Analytical, Inc.

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<http://www.EMSL.com> / charlottelab@emsl.com

EMSL Order: 412005337
Customer ID: AXEM25
Customer PO:
Project ID: City of Spartanburg

Attention: Tom Oliver
Apex Environmental Management
7 Winchester Court
Mauldin, SC 29662
Phone: (864) 640-5274
Fax:
Received Date: 06/29/2020 9:40 AM
Analysis Date: 07/03/2020
Collected Date:
Project: COS 218 N. Forest St. (City of Spartanburg)

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
3-Shingle 1 412005337-0047	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
3-Shingle 2 412005337-0048	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
3-Felt 412005337-0049	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
3-Tar 412005337-0050	Roof Shingles (2 Layers) & Felt (1 Layer) & Tar	Black Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
6 412005337-0051	Wooden Window Caulk	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
9 412005337-0052	Wooden Window & Door Casing Caulk	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
28-Mastic 412005337-0053	Brown Large Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	99.38 Other	None	0.62% Chrysotile
31-Mastic 412005337-0054	Brown Small Square Pattern Vinyl Floor & Adhesive	Brown Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
34-Flooring 412005337-0055	Tan Medium Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
34-Mastic 412005337-0056	Tan Medium Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
37-Flooring 412005337-0057	Brown Large Rectangle Pattern Vinyl Floor & Adhesive	Gray Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
40-Flooring 412005337-0058	Beige Medium Square Pattern Vinyl Floor & Adhesive	Gray Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 07/03/2020 15:42:21



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EMSL Order: 412005337

Customer ID: AXEM25

Customer PO:

Project ID: City of Spartanburg

Attention: Tom Oliver
Apex Environmental Management
7 Winchester Court
Mauldin, SC 29662

Phone: (864) 640-5274

Fax:

Received Date: 06/29/2020 9:40 AM

Analysis Date: 07/03/2020

Collected Date:

Project: COS 218 N. Forest St. (City of Spartanburg)

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
43-Floor Tile 412005337-0059	12"x12" Brown Floor Tile & Mastic	Brown Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
43-Mastic 412005337-0060	12"x12" Brown Floor Tile & Mastic	Red Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
46 412005337-0061	Cream Pattern Vinyl Floor w/ No Adhesive	Tan Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
49-Flooring 412005337-0062	White Square Pattern Vinyl Floor & Adhesive	Beige Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
49-Mastic 412005337-0063	White Square Pattern Vinyl Floor & Adhesive	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
52-Flooring 412005337-0064	Gray Pebble Pattern Vinyl Floor & Adhesive	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
52-Mastic 412005337-0065	Gray Pebble Pattern Vinyl Floor & Adhesive	Beige Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

Analyst(s)

Aaron Hartley (19)

Lee Plumley, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 07/03/2020 15:42:21



EMSL ANALYTICAL INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

412005337

Charlotte, NC 28273

PHONE: (704) 525-2205

FAX: (704) 525-2382

Company Name : Apex Environmental Management		EMSL Customer ID:	
Street: 7 Winchester Court		City: Mauldin	State/Province: SC
Zip/Postal Code: 29662	Country: US	Telephone #: 864-404-3210	Fax #:
Report To (Name): Tom Oliver		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: tolover@apex-ehs.com		Purchase Order:	
Project Name/Number: COS 218 N. Forest St.		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** <i>Third Party Billing requires written authorization from third party</i>			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input checked="" type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Tom Oliver		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Roof chingles (2 layers) +	PLM	
2	felt (1 layer) + tar	I	
3		TEM	
Client Sample # (s): 1-26, 26a-58		Total # of Samples: 59	
Relinquished (Client):		Date: 6-26-2020	Time: 3:00 PM
Received (Lab):		Date: 6/29/20	Time: 9:40AM Fk
Comments/Special Instructions:		7958 3672 0345	



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Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

412005337

Charlotte, NC 28273
PHONE: (704) 525-2205
FAX: (704) 525-2382

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
4	Wooden window caulk	PLM	
5		I	
6		TEM	
7	Wooden window & door	PLM	
8	casing caulk	I	
9		TEM	
10	Plaster w/ finish	PLM	
11			
12			
13			
14			
15			
16			
17	Drywall w/ joint compound	PLM	
18	+ no tape		
19			
20			
21			
22	Ceiling texture	PLM	
23			
24			
25			
26			

*Comments/Special Instructions:



Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

412005337

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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
27 26a	Brown large square pattern	PLM	
28 27	28 Vinyl floor + adhesive	I	
29 28		TEM	
30 29	Brown small square pattern	PLM	
31 30	vinyl floor + adhesive	I	
32 31		TEM	
33 32	Tan medium square pattern	PLM	
34 33	vinyl floor + adhesive	I	
34		TEM	
35	Brown large rectangle pattern	PLM	
36	vinyl floor + adhesive	I	
37		TEM	
38	Beige medium square pattern	PLM	
39	vinyl floor + adhesive	I	
40		TEM	
41	12" x 12" brown floor tile	PLM	
42	+ mastic	I	
43		TEM	
44	Cream pattern vinyl floor	PLM	
45	w/no adhesive	I	
46		TEM	

*Comments/Special Instructions:

SECTION IV
Photographic Log



Photo 1 – 218 North Forest Street in Spartanburg, South Carolina 29301



Photo 2 – Roof shingles & felt paper



Photo 3 – Caulk on wooden window panes



Photo 4 – Caulk on wooden window & door casings & on 1 vinyl window casing.



Photo 5 – Plaster with finish throughout walls & ceilings



Photo 6 – Drywall with joint compound & no tape scattered throughout walls & ceilings



Photo 7 – Brown large square pattern vinyl floor & adhesive in Apartment 1 kitchen – top layer.



Photo 8 – Brown small square pattern vinyl floor & adhesive in Apartment 1 kitchen – 2nd layer under wood.



Photo 9 – Tan medium square pattern vinyl floor & yellow adhesive in Apartment 1 bathroom.



Photo 10 – Brown large rectangle pattern vinyl floor with no mastic/adhesive in Apartment 2 bathroom.



Photo 11 – Ceiling texture scattered throughout



Photo 12 – Beige medium square pattern vinyl floor with no mastic/adhesive in Apartment 3 kitchen – top layer.



Photo 13 – 12" x 12" brown floor tile & mastic in Apartment 3 kitchen – 2nd layer.



Photo 14 – Cream pattern vinyl floor with no mastic/adhesive in Apartment 3 bathroom – top layer.



Photo 15 – White square pattern vinyl floor & adhesive in Apartment 3 bathroom – 2nd layer.



Photo 16 – Gray pebble pattern vinyl floor & adhesive in Apartment 4 bathroom – top layer.



Photo 17 – Gray slate stone pattern vinyl floor with no mastic/adhesive in Apartment 4 bathroom – 2nd layer under wood.



Photo 18 – 2' x 4' ceiling tiles in Apartment 1 bathroom.

SECTION V

SC DHEC Asbestos Inspector License

SCDHEC ISSUED
Asbestos ID Card

Thomas H Oliver



AIR SAMPLER	AS-00202	05/08/20
CONSULTBI	BI-00680	01/14/21

Expiration Date:

This card is nontransferable and is invalid if loaned or given to another person for identification. This card will also be invalid if altered or defaced. This card is property of SCDHEC. It must be returned to the department if the holder's accreditation is revoked or if this card is invalidated. Any person performing regulated asbestos activities without current accreditation shall be subject to legal sanction. This card must be returned upon expiration and/or issuance of a new card.

YOU MUST HAVE THIS IDENTIFICATION CARD WITH YOU ON THE JOB.

For information of corrections contact: SCDHEC – Asbestos Section
2600 Bull Street
Columbia, SC 29201
(803) 898-4289