

Asbestos & Lead Based Paint Assessment

City of Spartanburg 706 West Main Street, Building 1 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: 0521-99

June 15, 2021





7 Winchester Court Mauldin, SC 29662 864.404.3210 office 864.404.3213 fax

802 E. Martintown Rd.Suite 208N. Augusta, SC 29841803.440.2790 office

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Apex Project Number 0521-99

June 15, 2021

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

Reference: Asbestos and Lead-Based Paint Assessment Services

706 West Main Street, Building 1 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.

Stephanie Hamby Project Manager

Appendices

Tom Oliver Vice President

ASBESTOS AND LEAD BASED PAINT ASSESSMENT

CITY OF SPARTANBURG 706 WEST MAIN STREET, BUILDING 1 SPARTANBURG, SOUTH CAROLINA 29301

APEX PROJECT NO. 0521-99

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SECTION I

Asbestos & Lead Evaluation Report

ASBESTOS EVALUATION REPORT **APEX PROJECT NUMBER: 0521-99**

Date: 6/15/2021 1 of 4 Page Number:

Client: City of Spartanburg Client Contact: Mr. Jeff Tillerson

Client 440 South Church Street Client Phone (864) 596-2911

Address: Number: Suite B

Asbestos Evaluation and Project:

Lead Based Paint Assessment

Spartanburg, SC 29306

Property 706 West Main Street,

Address: Building 1

Spartanburg, SC 29301

Assessor: Date of 5/21/2021 Stephanie Hamby

Assessment:

Company: Apex Environmental Management

7 Winchester Court

Mauldin, SC 29662

Purpose of Demolition Age of Approximately 60 years

Phone

Number:

Assessment: Structure:

Building Commercial Number of 1

Type: Stories:

Foundation: Slab-on Grade Approximate 3,200 SF

Square Footage

EXTERIOR BUILDING MATERIALS

- Flat wooden rear roof with five layers of shingles with felt paper.
- Multi pitched front roof top layer of foam with sealant followed by two layers of shingles with felt over metal roof with silver sealant and tar.
- CMU block walls.
- Wood paneling with rock veneer over the front of building.
- Three metal doors, 706 B door has caulk.

INTERIOR BUILDING MATERIALS

- Yellow/tan carpet adhesive throughout.
- Wood paneling located on walls.
- Tan mastic sporadically over wood panel walls.
- Exposed 2"x4" studs with remnants of drywall dust.

(864) 404-3210

- Skim coat over ceiling beams and wall located in section A/B.
- Multiple types of flooring with and without mastic and adhesives.

City of Spartanburg 706 West Main Street, Building 1 Apex Project No. 0521-99 June 15, 2021

- Three wood windows without caulk or glaze.
- 706 C metal window has caulk and silicone.
- Damage to the roof was identified.
- Ceiling tiles located in section C.

 Building debris has been stacked in the back hallway of section C and closet located in section A/B.

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. Sixty (60) 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. Eighty-seven (87) 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). Twenty-nine (29) 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. Provided

City of Spartanburg 706 West Main Street, Building 1 Apex Project No. 0521-99 June 15, 2021

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.

Building debris was observed shoved into a back hallway and closet. The building was fully assessed; however, if additional ACM is discovered during demolition activities, Apex recommends that work activities stop until the suspect building materials may be sampled and analyzed.

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

- Approximately 2,400 SF of silver sealant with tar on the metal front roof under two layers of shingles with felt paper.
- Approximately 150 SF of mesh paper with tar located on the parapet wall.

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 μ g/m³) during an eight-hour workday and a permissible exposure level of fifty micrograms per cubic meter (50 μ g/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.

No lead based paint was identified within the structure on site.

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.

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Lead-Based Paint

Currently the Environmental Protection Agency (EPA) define LBP as paint containing greater than 1.0 milligrams per square centimeter (mg/cm²) 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 mg/ cm² or above to satisfy the OSHA requirements. If a baseline exposure lower than the OSHA Action Level of 30 micrograms per cubic meter (μ g/m³) 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

ASBESTOS SURVEY FIELD DATA SHEET PLM & TEM ANALYSIS

Sampled By:

Stephanie Hamby

Project Name: COS 706 West Main Street ACM-LBP

706 West Main Street, Building 1, Spartanburg, South Carolina

Project Location: 29301 Project Manager: Tom Oliver

Project Number: 0521-99 Date: 5/21/2021

Sample No.	Location	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
1			PLM - NAD			
2	Front roof	Foam with grey sealant		Non-Friable	Damaged	2,400 SF
3			TEM - NAD			
4	4	Two layers of shingle with	PLM - NAD			
5	Front roof under foam	felt paper		Friable	Damaged	2,400 SF
6			TEM - NAD			
7	4		PLM - 8% chrysotile (silver			
8	Front metal roof under shingles	Silver sealant and tar	sealant), 8% chrysotile (tar)	Non-Friable	Damaged	2,400 SF
9			, ,			
10						
11	Parapet Wall	Mesh paper with tar	PLM - 10% chrysotile	Non-Friable	Good	150 SF
12						
13 14	Rear flat roof	Five layers of shingles with one layer of felt	PLM - NAD	Friable	Good	775 SF
15	1	paper	TEM - NAD			
16			PLM - NAD			
17	706-B door frame	White caulk	FLIVI - NAD	Non-Friable	Damaged	1 EA
18			TEM - NAD			
19			PLM - NAD			
20	706-C metal window	White caulk	I LIVI - IVAD	Non-Friable	Good	4 EA
21			TEM - NAD			
22		12"x12" white with grey	PLM - NAD			
23	Floor in section A/B green painted room	speckled floor tile with	I LIVI - IVAD	Non-Friable	Damaged	350 SF
24		grey and tan mastic	TEM - NAD			

ASBESTOS SURVEY FIELD DATA SHEET PLM & TEM ANALYSIS

Sampled By:

Stephanie Hamby

Project Name: COS 706 West Main Street ACM-LBP

706 West Main Street, Building 1, Spartanburg, South Carolina

Project Location: 29301 Project Manager: Tom Oliver

Project Number: 0521-99 Date: 5/21/2021

Sample No.	Location	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
25 26	Floor in section A/B back white paneled	12"x12" floor tile with tan	PLM - NAD	Friable	Damaged	350 SF
27	room	aunesive	TEM - NAD			
28 29 30	Section A/B green painted wall	Skim coat over CMU block wall	PLM - NAD	Friable	Significantly Damaged	23 SF
31 32	Section A/B under covebase	Tan mastic	PLM - NAD	Non-Friable	Good	200 LF
33			TEM - NAD			
34 35	Section A/B bathroom floor under concrete	Grey 12"x12" floor tile	PLM - NAD	Non-Friable	Good	26 SF
36	Concrete		TEM - NAD			
37 38	Section A/B bathroom floor under grey 12"x12" floor tile	12"x12" tan floor tile with	PLM - NAD	Non-Friable	Good	26 SF
39	12 x 12 Hoof tile	เลท เกลรแบ	TEM - NAD			
40 41	Section A/B back wall over wall paneling	Tan mastic	PLM - NAD	Non-Friable	Good	50 SF
42	1		TEM - NAD	1		
43 44	Section C hallway floor	12"x12" wood pattern self- stick floor tile with	PLM - NAD	Non-Friable	Damaged	50 SF
45	7	adhesive	TEM - NAD	7		

ASBESTOS SURVEY FIELD DATA SHEET PLM & TEM ANALYSIS

Project Name: COS 706 West Main Street ACM-LBP

706 West Main Street, Building 1, Spartanburg, South Carolina

Project Location: 29301 Project Manager: Tom Oliver

Project Number: 0521-99 Date: 5/21/2021

Sample No.	Location	Sample Description	Analytical Results	Friable/Non Friable	Condition	Quantity
46		Wood pattern roll vinyl	PLM - NAD			
47	Section C hallway floor	flooring	T EW TV	Non-Friable	Damaged	165 SF
48		neoning	TEM - NAD			
49		Tan rook nottorn roll viny	PLM - NAD			
50	Section C bathroom floor	Tan rock pattern roll vinyl flooring	FLIVI - NAD	Non-Friable	Damaged	30 SF
51		liooning	TEM - NAD			
52		Cooperations of white DIM NAD	PLM - NAD			
53	Section A/B linger Wall string	Second layer of white floor tile with mastic	Non-Friable	Non-Friable	Damaged	100 SF
54		11001 tile with mastic	TEM - NAD			
55		400-400 11 11 11-				
56	Section C ceiling	12"x12" ceiling tile with no mastic	PLM - NAD	Friable	Damaged	60 SF
57		no mastic				
58	Sporadically located on section A/B walls	Daniel Internet				
59	and joint compound skim coat ceiling	Drywall, joint compound and tape	PLM - NAD	Friable	Damaged	25 SF
60	beams	anu ιαμ ο				

NAD = No Asbestos Detected

LF = Linear Feet

EA = Each

Bold = Positive For Asbestos

SF = Square Feet

Chry = Chrysotile

Sampled By:

Stephanie Hamby

FIELD DATA SHEET XRF LBP ANALYSIS

Sampled By:

Stephanie Hamby

Project Name: COS 706 West Main Street ACM-LBP

706 West Main Street, Commercial Building,

Project Location: Spartanburg, South Carolina 29301 Project Manager: Tom Oliver

Project Number: 0521-99 Date: 5/21/2021

Sample No.	Sample Location	Component	Color	Substrate	Analytical Result (mg/m³)
1		Standardization			184.00/Pass
2		Calibration			1.16
3		Calibration			1.10
4		Calibration			1.07
5	Exterior	Header board	White	Wood	0.13
6	Exterior	Awning ceiling	White	Wood	0.43
7	Exterior	Window trim	White	Wood	0.00
8	Exterior	Door casing	White	Wood	0.17
9	Exterior	Security bars around windows	Black	Metal	0.02
10	Exterior	Wall	White	CMU block	0.00
11	Interior	Floor	Gray	Concrete	0.00
12	Interior	Wall	White	Wood panel	0.00
13	Interior	Window	White	Wood	0.00
14	Interior	Window sill	Yellow	Wood	0.00
15	Interior	Beam	Purple	Wood	0.11
16	Interior	Beam	Yellow	Wood	0.08
17	Interior	Door frame	Purple	Wood	0.00
18	Interior	Door frame	White	Wood	0.00
19	Interior	Wall	White	CMU block	0.19
20	Interior	Wall	Gray	CMU block	0.00
21	Interior	Crown molding	Light gray	Wood	0.00
22	Interior	Wall	Salmon	CMU block	0.00
23	Interior	Window sill	Gray	Concrete	0.00
24	Interior	Window sill	Salmon	Concrete	0.00

FIELD DATA SHEET XRF LBP ANALYSIS

Project Name: COS 706 West Main Street ACM-LBP

Project Number: 0521-99

Sampled By: Stephanie Hamby

706 West Main Street, Commercial Building,

Project Manager: Tom Oliver

Project Location: Spartanburg, South Carolina 29301

Date: 5/21/2021

Sample No.	Sample Location	Component	Color	Substrate	Analytical Result (mg/m³)
25	Interior	Cabinets	Gray	Wood	0.00
					1 117 1

Bold = LBP FFM = Factory Finished Metal FFV = Factory Finished Vinyl

SECTION III

Laboratory Analytical Results & Chain of Custody



Fax:

Customer PO:

Project ID: City of Spartanburg

Attention: Stephanie Hamby Phone: (864) 918-1433

Apex Environmental Management

7 Winchester Court Received Date: 05/27/2021 9:55 AM Mauldin, SC 29662 Analysis Date: 06/02/2021 - 06/03/2021

Collected Date:

Project: 0521-99 COS 706 West Main St. Bldg. 1 ACM/LBP (City of Spartanburg)

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

			Non-Asbe	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1-Foam	Foam with Sealant	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
12104487-0001		Homogeneous			
I-Sealant	Foam with Sealant	Brown/Gray Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0001A		Homogeneous		30 % Non horoda (Other)	
2-Foam	Foam with Sealant	Tan/Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
112104487-0002		Homogeneous			
2-Sealant	Foam with Sealant	Brown/Gray Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0002A		Homogeneous			
3-Foam	Foam with Sealant	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
412104487-0002B		Homogeneous			
4-Shingle 1	2 Layers of Roof Shingle with Felt Paper	White/Black Non-Fibrous Homogeneous	20% Cellulose	5% Quartz 75% Non-fibrous (Other)	None Detected
	2 Layers of Roof	Black	5% Glass	5% Quartz	None Detected
4-Shingle 2 412104487-0003A	Shingle with Felt Paper	Non-Fibrous Homogeneous	3% Glass	15% Ca Carbonate 75% Non-fibrous (Other)	None Detected
4-Felt	2 Layers of Roof	Black	75% Cellulose	25% Non-fibrous (Other)	None Detected
+-r GIL 412104487-0003B	Shingle with Felt Paper	Fibrous Homogeneous	7376 Cellulose	23 /6 NOTI-IIDIOUS (Ottlet)	None Detected
5-Shingle 1	2 Layers of Roof	White/Black	20% Cellulose	10% Quartz	None Detected
412104487-0004	Shingle with Felt Paper	Non-Fibrous Homogeneous		70% Non-fibrous (Other)	
5-Shingle 2	2 Layers of Roof	Gray/Black	15% Glass	15% Quartz	None Detected
-	Shingle with Felt	Non-Fibrous		70% Non-fibrous (Other)	
412104487-0004A	Paper	Homogeneous			
5-Felt	2 Layers of Roof Shingle with Felt	Brown/Black Non-Fibrous	95% Cellulose	5% Non-fibrous (Other)	None Detected
412104487-0004B 7-Silver Paint	Paper Silver Sealant w/ Tar	Homogeneous Silver		92% Non-fibrous (Other)	8% Chrysotile
I-OIIVEI FAIIIL	Sliver Sediatit W/ Tal	Non-Fibrous		92 /0 NOIT-IIDIOUS (Otile!)	0 /0 OHI ySOUILE
412104487-0005		Homogeneous			
7-Tar	Silver Sealant w/ Tar	Black Non-Fibrous		92% Non-fibrous (Other)	8% Chrysotile
412104487-0005A		Homogeneous			
8-Silver Paint	Silver Sealant w/ Tar				Positive Stop (Not Analyzed)
412104487-0006					
8-Tar	Silver Sealant w/ Tar				Positive Stop (Not Analyzed)
412104487-0006A					
10-Mesh/Tar	Mesh Paper w/ Tar	White Fibrous	10% Glass	80% Non-fibrous (Other)	10% Chrysotile
412104487-0007 Layers not separable.		Homogeneous			

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

		_	Non-Asbe	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1-Mesh/Tar	Mesh Paper w/ Tar				Positive Stop (Not Analyzed)
12104487-0008 Layers not seperable					
13-Shingle 1	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous	20% Cellulose	10% Quartz 70% Non-fibrous (Other)	None Detected
12104487-0009	Paper	Homogeneous			
No 5th shingle present.					
3-Shingle 2	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous	5% Glass	10% Quartz 15% Ca Carbonate	None Detected
112104487-0009A	Paper	Homogeneous		70% Non-fibrous (Other)	
3-Shingle 3	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous	5% Glass	8% Quartz 15% Ca Carbonate	None Detected
12104487-0009B	Paper	Homogeneous		72% Non-fibrous (Other)	
13-Shingle 4	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous		5% Quartz 15% Ca Carbonate	None Detected
#12104487-0009C	Paper	Homogeneous	7501 0 " :	80% Non-fibrous (Other)	N 5/11
13-Felt	5 Layers of Shingles & 1 Layer of Felt	Black Fibrous	75% Cellulose	25% Non-fibrous (Other)	None Detected
112104487-0009D	Paper	Homogeneous			·· -
14-Shingle 1	5 Layers of Shingles & 1 Layer of Felt	White/Black Non-Fibrous	20% Cellulose	10% Quartz 70% Non-fibrous (Other)	None Detected
112104487-0010 No 5th shingle present.	Paper	Homogeneous			
	E.L. and a Colored and	M/I: t - /DII	000/ 0-11-1	100/ 0 1	None Detected
4-Shingle 2	5 Layers of Shingles & 1 Layer of Felt	White/Black Non-Fibrous	20% Cellulose	10% Quartz 70% Non-fibrous (Other)	None Detected
112104487-0010A	Paper	Homogeneous		7078 (40H-H01043 (Other)	
14-Shingle 3	5 Layers of Shingles	Black	15% Glass	15% Quartz	None Detected
	& 1 Layer of Felt	Non-Fibrous		70% Non-fibrous (Other)	
112104487-0010B	Paper	Homogeneous			
14-Shingle 4	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous	15% Glass	15% Quartz 70% Non-fibrous (Other)	None Detected
412104487-0010C	Paper	Homogeneous			
14-Felt	5 Layers of Shingles & 1 Layer of Felt	Black Non-Fibrous	65% Cellulose	35% Non-fibrous (Other)	None Detected
112104487-0010D	Paper	Homogeneous			
16	Caulk (White) (Door)	White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
112104487-0011		Homogeneous		00 /0 NOH-HOLOUS (Other)	
17	Caulk (White) (Door)	White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
112104487-0012		Homogeneous		00 / Non-ilbious (Other)	
19	White Caulk (Window)	White Non-Fibrous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
412104487-0013	(Homogeneous		. 0 /0 . 15 1151 040 (04101)	
20	White Caulk (Window)	Gray/Tan/White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
412104487-0014	/	Homogeneous			
22-Floor Tile	12"x12" White with Gray Specks w/ Gray	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
112104487-0015	& Tan Mastic	Homogeneous			
22-Mastic	12"x12" White with Gray Specks w/ Gray	Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0015A	& Tan Mastic	Homogeneous			
22-Leveler	12"x12" White with Gray Specks w/ Gray	Gray Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
412104487-0015B	& Tan Mastic	Homogeneous			

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

			Non-Asbe	stos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
23-Floor Tile 412104487-0016	12"x12" White with Gray Specks w/ Gray & Tan Mastic	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
23-Mastic 412104487-0016A	12"x12" White with Gray Specks w/ Gray & Tan Mastic	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
23-Leveler	12"x12" White with Gray Specks w/ Gray & Tan Mastic	Gray Non-Fibrous	5% Cellulose	25% Ca Carbonate 70% Non-fibrous (Other)	None Detected
412104487-0016B 24-Leveler	12"x12" White with Gray Specks w/ Gray	Homogeneous Gray Non-Fibrous	3% Cellulose	20% Ca Carbonate 77% Non-fibrous (Other)	None Detected
412104487-0016C 25-Floor Tile	& Tan Mastic 12"x12" Floor Tile w/ Tan Adhesive White	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
412104487-0017 25-Mastic	w/ Blue Specks 12"x12" Floor Tile w/ Tan Adhesive White	Homogeneous Yellow Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0017A 26-Floor Tile	w/ Blue Specks 12"x12" Floor Tile w/ Tan Adhesive White	Homogeneous White Non-Fibrous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
412104487-0018 26-Mastic	w/ Blue Specks 12"x12" Floor Tile w/ Tan Adhesive White	Homogeneous Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
28-Skim Coat	w/ Blue Specks Skim Coat over CMU Block Wall	Homogeneous White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
412104487-0019		Homogeneous			
28-Block 412104487-0019A	Skim Coat over CMU Block Wall	Gray Non-Fibrous Homogeneous		15% Quartz 10% Ca Carbonate 75% Non-fibrous (Other)	None Detected
29-Skim Coat	Skim Coat over CMU Block Wall	White Non-Fibrous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
412104487-0020 29-Block	Skim Coat over CMU Block Wall	Gray Non-Fibrous		20% Quartz 5% Ca Carbonate 75% Non-fibrous (Other)	None Detected
412104487-0020A 30-Skim Coat	Skim Coat over CMU Block Wall	White Non-Fibrous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
412104487-0021 30-Block	Skim Coat over CMU Block Wall	Gray Non-Fibrous		25% Quartz 5% Ca Carbonate	None Detected
31 31	Tan Adhesive/Mastic	Homogeneous Gray/Tan Non-Fibrous		70% Non-fibrous (Other) 15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
32	Tan Adhesive/Mastic	Tan Non-Fibrous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
412104487-0023		Homogeneous			
34-Floor Tile	Gray 12"x12" Floor Tile	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
34-Mastic	Gray 12"x12" Floor Tile	Tan Non-Fibrous	1% Cellulose	99% Non-fibrous (Other)	None Detected
412104487-0024A 35-Floor Tile	Gray 12"x12" Floor Tile	Homogeneous Gray Non-Fibrous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
412104487-0025	THE	Homogeneous		5570 HOIT IIDIOGS (Other)	

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 % Fibrous	<u>s</u> % Non-Fibrous	<u>Asbestos</u> % Type
35-Mastic	Gray 12"x12" Floor	Gray/Tan	/0 1 IDIOUS	15% Ca Carbonate	None Detected
412104487-0025A	Tile	Non-Fibrous Homogeneous		85% Non-fibrous (Other)	None Detected
35-Leveler	Gray 12"x12" Floor Tile	Gray Non-Fibrous		25% Quartz 5% Ca Carbonate	None Detected
412104487-0025B	-	Homogeneous		70% Non-fibrous (Other)	
36-Leveler	Gray 12"x12" Floor Tile	Gray Non-Fibrous		20% Quartz 5% Ca Carbonate	None Detected
412104487-0025C		Homogeneous		75% Non-fibrous (Other)	
37-Top Mastic	12"x12" Tan Floor Tile w/ Tan Mastic	Yellow Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
412104487-0026		Homogeneous			
37-Floor Tile	12"x12" Tan Floor Tile w/ Tan Mastic	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
412104487-0026A		Homogeneous			
37-Bottom Mastic	12"x12" Tan Floor Tile w/ Tan Mastic	Yellow Non-Fibrous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
412104487-0026B	40"40" T FI T'	Homogeneous		FOV Co. Contractor	Nama Data dad
38-Top Mastic	12"x12" Tan Floor Tile w/ Tan Mastic	Tan Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
	12"x12" Tan Floor Tile	White		45% Ca Carbonate	None Detected
38-Floor Tile 412104487-0027A	w/ Tan Mastic	Non-Fibrous Homogeneous		55% Non-fibrous (Other)	None Detected
38-Bottom Mastic	12"x12" Tan Floor Tile	Tan		5% Ca Carbonate	None Detected
412104487-0027B	w/ Tan Mastic	Non-Fibrous Homogeneous		95% Non-fibrous (Other)	None Detected
40	Tan Mastic over Wall	Tan/White	<1% Cellulose	100% Non-fibrous (Other)	None Detected
412104487-0028	Paneling	Non-Fibrous Homogeneous	178 Centrose	100 % Non librous (Guler)	None Detected
41	Tan Mastic over Wall	Gray/White		15% Ca Carbonate	None Detected
412104487-0029	Paneling	Non-Fibrous Homogeneous		85% Non-fibrous (Other)	
43-Flooring	12"x12" Wood Pattern Self-Stick Floor Tile	Tan Non-Fibrous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
412104487-0030	w/ Adhesive	Homogeneous			
43-Mastic	12"x12" Wood Pattern Self-Stick Floor Tile	Clear Non-Fibrous	1% Cellulose <1% Fibrous (Other)	99% Non-fibrous (Other)	None Detected
412104487-0030A	w/ Adhesive	Homogeneous			
43-Leveler 412104487-0030B	12"x12" Wood Pattern Self-Stick Floor Tile w/ Adhesive	Tan Non-Fibrous	1% Cellulose	5% Ca Carbonate 94% Non-fibrous (Other)	None Detected
		Homogeneous		15% Ca Carbonate	None Detected
44-Flooring 412104487-0031	12"x12" Wood Pattern Self-Stick Floor Tile w/ Adhesive	Brown/Gray/Black Non-Fibrous Homogeneous		85% Non-fibrous (Other)	None Detected
44-Mastic	12"x12" Wood Pattern	Gray/Tan		5% Ca Carbonate	None Detected
412104487-0031A	Self-Stick Floor Tile w/ Adhesive	Non-Fibrous Homogeneous		95% Non-fibrous (Other)	
44-Leveler	12"x12" Wood Pattern Self-Stick Floor Tile	Gray/Tan Non-Fibrous	5% Glass	5% Quartz 15% Ca Carbonate	None Detected
412104487-0031B	w/ Adhesive	Homogeneous		75% Non-fibrous (Other)	
46	Wod Pattern Roll Vinyl Floor	Tan Non-Fibrous	15% Cellulose 1% Glass	84% Non-fibrous (Other)	None Detected
412104487-0032		Homogeneous			
47	Wod Pattern Roll Vinyl Floor	Brown/Tan Non-Fibrous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
412104487-0033		Homogeneous			

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

		Non-Asbestos			<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
49	Tan Rock Pattern Roll Vinyl Floor	Tan Fibrous	20% Cellulose 1% Glass	79% Non-fibrous (Other)	None Detected
412104487-0034		Homogeneous			
50	Tan Rock Pattern Roll Vinyl Floor	Gray/White Non-Fibrous	5% Glass	10% Ca Carbonate 85% Non-fibrous (Other)	None Detected
412104487-0035		Homogeneous			
52-Top Mastic	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0036		Homogeneous			
52-Floor Tile	2nd Layer of Floor Tile (White) w/ Mastic	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
412104487-0036A		Homogeneous			
52-Bottom Mastic	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0036B		Homogeneous			
53-Top Mastic	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0037		Homogeneous			
53-Floor Tile	2nd Layer of Floor Tile (White) w/ Mastic	Gray Non-Fibrous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
412104487-0037A		Homogeneous			
53-Bottom Mastic	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
412104487-0037B		Homogeneous			
55	12"x12" Ceiling Tile w/ No Mastic	Gray/White Fibrous	60% Cellulose 10% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
412104487-0038		Homogeneous			
56	12"x12" Ceiling Tile w/ No Mastic	Gray/White Fibrous	60% Cellulose 10% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
412104487-0039		Homogeneous			
57	12"x12" Ceiling Tile w/ No Mastic	Gray/White Non-Fibrous	50% Cellulose 15% Min. Wool	25% Perlite 10% Non-fibrous (Other)	None Detected
412104487-0040		Homogeneous			
58-Joint Compound	Drywall w/ Joint Compound & Tape	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
412104487-0041 No drywall present		Homogeneous			
58-Tape	Drywall w/ Joint Compound & Tape	Tan	99% Cellulose	1% Non-fibrous (Other)	None Detected
112104487-0041A	сотпроити а таре	Fibrous Homogeneous			
59-Joint Compound	Drywall w/ Joint Compound & Tape	White Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
412104487-0042 No drywall present	Compound & Tape	Homogeneous		00 /0 NON-HOUGE (Other)	
59-Tape	Drywall w/ Joint Compound & Tape	Tan Fibrous	99% Cellulose	1% Non-fibrous (Other)	None Detected
412104487-0042A	Composite a tapo	Homogeneous			
60-Drywall	Drywall w/ Joint Compound & Tape	Gray Non-Fibrous	5% Cellulose	95% Non-fibrous (Other)	None Detected
112104487-0043	Compound & Tape	Homogeneous			
60-Joint Compound	Drywall w/ Joint Compound & Tape	White Non-Fibrous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
412104487-0043A	Compound & Tape	Homogeneous		33 /0 Non-iibi ous (Otilei)	
60-Tape	Drywall w/ Joint Compound & Tape	White Non-Fibrous	95% Cellulose	5% Non-fibrous (Other)	None Detected
412104487-0043B	Compound & Tape	Homogeneous			



Customer PO:

Project ID: City of Spartanburg

Analyst(s)

Brant Alyea (42) Sarah Breneman (45) Lee Plumley, Laboratory Manager or Other Approved Signatory

Evan L Plumber

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

Customer PO:

Collected Date:

Project ID: City of Spartanburg

Attention: Stephanie Hamby Phone: (864) 918-1433

Apex Environmental Management Fax:

7 Winchester Court Received Date: 05/27/2021 9:55 AM

Mauldin, SC 29662 Analysis Date: 06/09/2021

Project: 0521-99 COS 706 West Main St. Bldg. 1 ACM/LBP (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-Seal 412104487-0044	Foam with Sealant	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
6-Shingle 1 412104487-0045	2 Layers of Roof Shingle with Felt Paper	White/Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
6-Shingle 2 412104487-0046	2 Layers of Roof Shingle with Felt Paper	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
6-Felt 412104487-0047	2 Layers of Roof Shingle with Felt Paper	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
15-Shingle 1 412104487-0048	5 Layers of Shingles & 1 Layer of Felt Paper	White/Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
15-Shingle 2 412104487-0049	5 Layers of Shingles & 1 Layer of Felt Paper	White/Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
15-Shingle 3 412104487-0050	5 Layers of Shingles & 1 Layer of Felt Paper	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
15-Shingle 4 412104487-0051	5 Layers of Shingles & 1 Layer of Felt Paper	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
15-Felt 412104487-0052	5 Layers of Shingles & 1 Layer of Felt Paper	Black Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
18 412104487-0053	Caulk (White) (Door)	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
21 412104487-0054	White Caulk (Window)	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
24-Floor Tile 412104487-0055	12"x12" White with Gray Specks w/ Gray & Tan Mastic	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 06/10/2021 08:37:54

Customer PO:

Project ID: City of Spartanburg

Attention: Stephanie Hamby Phone: (864) 918-1433

Apex Environmental Management Fax:

7 Winchester Court Received Date: 05/27/2021 9:55 AM

Mauldin, SC 29662 Analysis Date: 06/09/2021

Collected Date:

Project: 0521-99 COS 706 West Main St. Bldg. 1 ACM/LBP (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
24-Mastic 412104487-0056	12"x12" White with Gray Specks w/ Gray & Tan Mastic	Gray/Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
27-Floor Tile 412104487-0057	12"x12" Floor Tile w/ Tan Adhesive White w/ Blue Specks	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
27-Mastic 412104487-0058	12"x12" Floor Tile w/ Tan Adhesive White w/ Blue Specks	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
33 412104487-0059	Tan Adhesive/Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
36-Floor Tile 412104487-0060	Gray 12"x12" Floor Tile	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
36-Mastic 412104487-0061	Gray 12"x12" Floor Tile	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
39-Top Mastic 412104487-0062	12"x12" Tan Floor Tile w/ Tan Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
39-Floor Tile 412104487-0063	12"x12" Tan Floor Tile w/ Tan Mastic	White Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
39-Bottom Mastic 412104487-0064	12"x12" Tan Floor Tile w/ Tan Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
42 412104487-0065	Tan Mastic over Wall Paneling	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
45-Flooring 412104487-0066	12"x12" Wood Pattern Self-Stick Floor Tile w/ Adhesive	Brown Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
45-Mastic 412104487-0067	12"x12" Wood Pattern Self-Stick Floor Tile w/ Adhesive	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 06/10/2021 08:37:54



Customer PO:

Collected Date:

Project ID: City of Spartanburg

Attention: Stephanie Hamby Phone: (864) 918-1433

Apex Environmental Management Fax:

7 Winchester Court Received Date: 05/27/2021 9:55 AM

Mauldin, SC 29662 Analysis Date: 06/09/2021

Project: 0521-99 COS 706 West Main St. Bldg. 1 ACM/LBP (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
48 412104487-0068	Wood Pattern Roll Vinyl Floor	Brown Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
51 412104487-0069	Tan Rock Pattern Roll Vinyl Floor	rn Roll Tan 100.0 Other Fibrous Homogeneous		None	No Asbestos Detected
54-Top Mastic 412104487-0070	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
54-Floor Tlle 412104487-0071	2nd Layer of Floor Tile (White) w/ Mastic	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
54-Bottom Mastic 412104487-0072	2nd Layer of Floor Tile (White) w/ Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

Analyst(s)	
Derrick Young (29)	

Lee Plumley, Laboratory Manager or other approved signatory

Evan L Plumber

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 06/10/2021 08:37:54

OrderID: 4<u>12104</u>487

EMSL ANALYTICAL, INC.

Asbestos Bulk Building Materials - Chain of Custody

10801 Southern Loop Blvd

EMSL Order Number / Lab Use Only

412104487

Pineville, NC 28134 PHONE: (704) 525-2205

EMAIL:

Screen Address: Apex Environmental Management, Inc. Content New Staphanie Hamby		Customer ID:	-		_				Billing ID:						
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NYS 198.8 (Vermiculus SM-V) Positivo Stop - Clearly Identified Homogeneous Aries (HA) Sample Number															1
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OrderID: 412104487

EMSL ANALYTICAL, INC.

Asbestos Bulk Building Materials - Chain of Custody EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 10801 Southern Loop Blvd

4487

Pineville, NC 28134 PHONE: (704) 525-2205

EMAIL:

Additional Pages of the Chain of Custoo			nal sample Information Regulatory Requirements (Sample Spec	ifications, Processing Metho	ds, Limits of	Detection, etc.)	
Sample Number	HA Nu	mber	Sample	Location		Ma	terial Description
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D			(doer)			7	
I8						TEN	1
19			White car	.IK		PLN	
26			(window)			7	
21					_	TEM)
22			12"x12" wh:+	r with art	9	PLN	
25			Specks wlara	a + tan ma	ربرد	7	
24			Specks w/ grand (anglyze m (2"x12" floor tan adhesive	astics and	1	- tiEn	7
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26			tan adhesive	white willve	secus	<u>T</u>	
27		_	Assayer the	roddhesinal	el	TE	n
28			Skin Cogt	Over CM	14,	PLU	n
29			block wah	<u> </u>		,	,
30						1	<u> </u>
31			tan adhesive,	mastic.		PLN	7
32,			7			<u> </u>	
33					-	TEN	7
·							
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EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

OrderID: 412104487

Asbestos Bulk Building Materials - Chain of Custody EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 10801 Southern Loop Blvd

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EMSL ANALYTICAL, INC.
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Controlled Document - Asbestos Bulk R5 03/18/2021

4487

Pineville, NC 28134 PHONE: (704) 525-2205

EMAIL:

Additional Pages of the Chain of Clistocy		r Regulatory Requirements (Sar	nple Specifications, Processing Methods, Limits	of Detection, etc.)
Sample Number	HA Number		Sample Location	Material Description
34		Gray 12"	x12" Floor tile,	PLM
35				
<i>y</i> ₀				TEM
37		12"x12"	tan floor tile.	PLM
38		w tan.	1	
39		 		TEM
40		Tan no	4stic over	PLM
41		Wall Dan	astic over	
42				TEM
43		12"x12"	wood pattern 1	PLM
44		Selfstick	floor tile w	1
45		adhesive		. Tem
46			an roll viny	pen
47		Floor	71	
48			Ţ	TEM
49		Tan voc	K pattern rolla	RM
50		Viral a	& pattern roll	
51		7		TEM
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55		12"x12"	Ceiling tile 1	PLM
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EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

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AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

OrderID: 412104487 EMSL A

Asbestos Bulk Building Materials - Chain of Custody EMSL Order Number / Lab Use Only

EMSL Analytical, Inc. 10801 Southern Loop Blvd

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ANALYTICAL, INC.	4487	Pineville, NC 28134 PHONE: (704) 525-2205					
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Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)							

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information Special instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)							
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Controlled Document - Asbestos Bulk R5 03/18/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

SECTION IV

Photographic Log



Photo 1 – 706 West Main Street in Spartanburg, South Carolina 29301



Photo 2 – Foam with grey sealant on top layer and mesh paper with tar on parapet wall.



Photo 3 – Front roof has a metal roof with silver sealant and tar under two layers of shingles.



Photo 4 – Flat roof with five layers of shingles and one layer of felt paper located at back of building



Photo 5 – 706B door frame with white caulk



Photo 6 – 706C metal window with white caulk



Photo 7 – Close up of 706C metal window with white caulk



Photo 8 – Interior view of back portion of 706A/B



Photo 9 – 12"x12" white with gray/blue specks floor tile with gray and tan mastic located in section A/B



Photo 10 – 12"x12" white with gray/blue specks floor tile with tan adhesive



Photo 11 – Skim coat over CMU block wall located in section A/B.



Photo 12 – Tan mastic under cove base located in section A/B



Photo 13 – Grey 12"x12" floor tile over 12"x12" tan floor tile with mastic under concrete in section A/B bathroom



Photo 14 – Tan mastic over paneling on back wall in section A/B



Photo 15 – 12"x12" wood pattern self-stick floor tile with adhesive in section C hallway

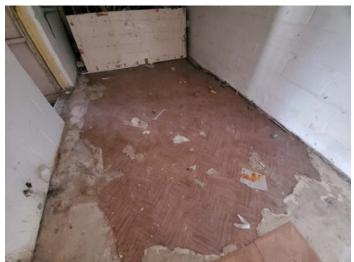


Photo 16 – Wood pattern roll vinyl floor located in section C hallway



Photo 17 – Tan rock pattern roll vinyl flooring located in section C bathroom



Photo 18 – Second layer of white floor tile under wood framing throughout located in section A/B



Photo 19 – 12"x12" white ceiling tiles without mastic located in section C



Photo 20 – 12"x12" ceiling tiles located on floor in section



Photo 21 – Joint compound skim coat over ceiling beams located in section A/B



Photo 22 – Drywall, joint compound and tape on walls sporadic in section A/B $\,$



Photo 21 – Various types of building debris placed in section A/B closet.

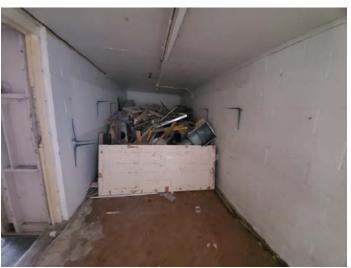


Photo 22 – Various types of building debris stacked in back hallway of section C

SECTION V

SC DHEC Asbestos Inspector License



January 8, 2021

To whom it may concern:

Due to an unforeseen printer outage the SC Department of Health and Environmental Control Asbestos Program cannot issue a Standard Asbestos License

AS-000632 exp 8/13/2021

for license number: B1-01894 exp 1/12/2022

Please accept this correspondence as a temporary acknowledgment

of Air Sampler & Building Inspector licensing status.

will be

Keep this letter with you all the time during work at the job site.

If you have any questions, please call the Asbestos Section at 803-898-4289.

Sincerely,

Jennifer Lynn Boryk Manager, Asbestos Section

Bureau of Air Quality

Jennifer Lynn Boyle