



**AHERA/NESHAP ASBESTOS INSPECTION REPORT
460 FEWELL STREET
ROCK HILL, SC**

CLIENT:

*City of Rock Hill
P.O. Box 11706
Rock Hill, SC 29731*

LOCATION:

*460 Fewell Street
Rock Hill, SC 29730*

DATE OF INSPECTION:

July 22, 2016

DATE OF REPORT:

July 29, 2016

PREPARED BY:

*Christopher Estes
Environmental Staff Professional*

*SUMMIT ELT, Inc. (SUMMIT)
3575 Centre Circle
Fort Mill, South Carolina 29715
704-504-1717*

SUMMIT Job No. 1080.109

AHERA/NESHAP ASBESTOS INSPECTION REPORT

460 FEWELL STREET, ROCK HILL, SC 29730

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1.0 REPORT CERTIFICATION

SUMMIT ELT, Inc. (SUMMIT) is pleased to provide environmental consulting services for the City of Rock Hill. Please contact this office at 704-504-1717 with any questions or comments regarding the findings submitted in this report.

This document, entitled *AHERA/NESHAP Asbestos Inspection Report*, was prepared for the City of Rock Hill and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.



7/29/2016

Christopher Estes

Date

SC DHEC AHERA Asbestos Building Inspector No. BI-01410
Expiration Date: April 8, 2017

SC DHEC AHERA Asbestos Air Sampler No. AS-00451
Expiration Date: April 7, 2016

SC DHEC AHERA Asbestos Supervisor No. SA-02395
Expiration Date: April 7, 2016

2.0 EXECUTIVE SUMMARY

On July 22, 2016, **SUMMIT** performed an AHERA/NESHAP Asbestos Inspection for one (1) structure at 460 Fewell Street in Rock Hill, South Carolina.

The purpose of this inspection was to investigate available records for the specification of asbestos containing material (ACM), inspect for suspect materials, sample and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structures.

No records were available for review to determine the date the structure was built or the type of materials used during the construction.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. There were ten (10) homogeneous suspect materials observed on the structure. The homogeneous areas are described in detail in section 3.0 of this report.

WB-1 through WB-5

The wallboard/joint compound located on the walls and ceiling is currently in good condition and friable with a low potential for disturbance. The material is classified as surfacing material. The wallboard/joint compound was sampled and is classified as Asbestos Containing Material (ACM). The wallboard/joint compound material contains up to 2% Chrysotile and there is approximately 2,500 SF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

CH MAS-1, CH MAS-2 and CH MAS-3

The chimney mastic located on the roof, around the chimney is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The chimney tar was sampled and is classified as Asbestos Containing Material (ACM). The chimney mastic material contains up to 5% Chrysotile and there is approximately 10 LF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.0 SUSPECT MATERIALS

3.1 Wallboard

WB-1 through WB-5

The wallboard/joint compound located on the walls and ceiling is currently in good condition and friable with a low potential for disturbance. The material is classified as surfacing material. The wallboard/joint compound was sampled and is classified as Asbestos Containing Material (ACM). The wallboard/joint compound material contains up to 2% Chrysotile and there is approximately 2,500 SF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.2 Flooring

KIT FL-1, KIT FL-2 and KIT FL-3

The kitchen sheet flooring located in the kitchen and bathroom is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The kitchen flooring was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.3 Carpet

CAR-1, CAR-2 and CAR-3

The carpet and mastic located in the front rooms and bedroom is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The carpet and mastic were sampled and are not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.4 Siding

SI FLT-1, SI FLT-2 and SI FLT-3

The siding felt located underneath the exterior transite is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The siding felt was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

TRANS-1, TRANS-2 and TRANS-3

The transite siding located on the exterior of the structure is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material.

The transite was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.5 Window Glazing

WIN GLZ-1, WIN GLZ-2 and WIN GLZ-3

The window glazing located on the exterior of the windows is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The window glazing was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.6 Brick & Mortar

B&M-1, B&M-2 and B&M-3

The brick and mortar located along the foundation is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The brick and mortar was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.7 Concrete Block

CB-1, CB-2 and CB-3

The concrete block located along the foundation is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The concrete block was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

3.8 Roofing

ROOF-1, ROOF-2 and ROOF-3

The roofing material located on the roof is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The roofing was sampled and is not classified as Asbestos Containing Material (ACM). The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

CH MAS-1, CH MAS-2 and CH MAS-3

The chimney mastic located on the roof, around the chimney is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The chimney tar was sampled and is classified as Asbestos

Containing Material (ACM). The chimney mastic material contains up to 5% Chrysotile and there is approximately 10 LF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM? ¹ (Y/N)	APPROXIMATE QUANTITY ²
Wallboard/Joint Compound	Y	2500 SF
Kitchen Flooring	N	200 SF
Carpet & Mastic	N	400 SF
Siding Felt	N	1200 SF
Transite	N	1200 SF
Window Glazing	N	85 LF
Brick & Mortar	N	300 CF
Concrete Block	N	300 CF
Chimney Tar	Y	10 LF
Roofing	N	675 SF

Quantities: SF = Square Feet LF = Linear Feet CF = Cubic Feet

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes

5.0 CONCLUSION AND RECOMMENDATIONS

On July 22, 2016, SUMMIT performed an AHERA/NESHAP Asbestos Inspection for one (1) structure at 460 Fewell Street in Rock Hill, South Carolina.

WB-1 through WB-5

The wallboard/joint compound located on the walls and ceiling is currently in good condition and friable with a low potential for disturbance. The material is classified as surfacing material. The wallboard/joint compound was sampled and is classified as Asbestos Containing Material (ACM). The wallboard/joint compound material contains up to 2% Chrysotile and there is approximately 2,500 SF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

CH MAS-1, CH MAS-2 and CH MAS-3

The chimney mastic located on the roof, around the chimney is currently in good condition and non-friable with a low potential for disturbance. The material is classified as miscellaneous material. The chimney tar was sampled and is classified as Asbestos Containing Material (ACM). The chimney mastic material contains up to 5% Chrysotile and there is approximately 10 LF of the material. The sample analysis is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied surfacing material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

FIGURES

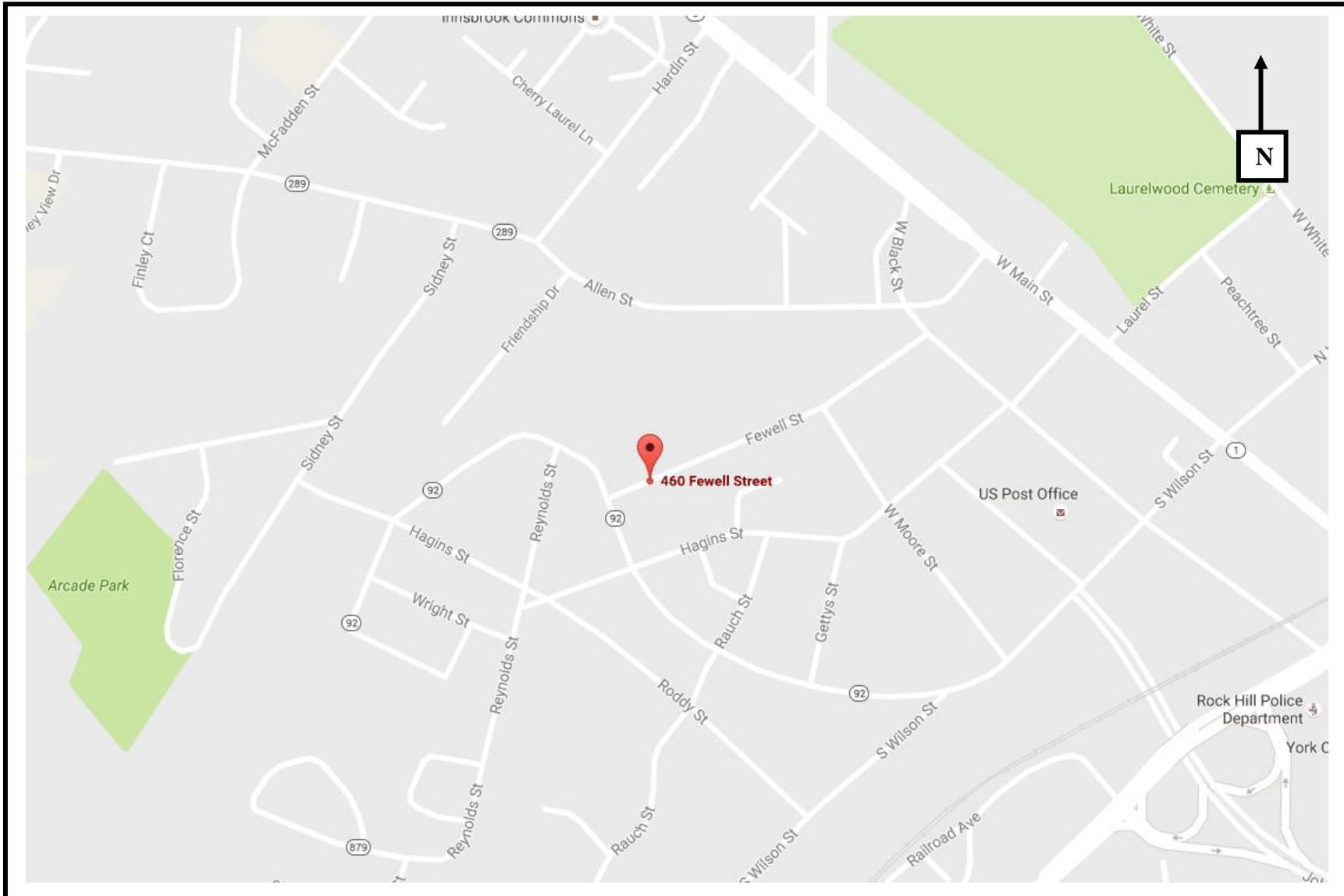


Figure 1
Site Location Map

460 Fewell Street
Rock Hill, South Carolina



SUMMIT ELT, Inc.

Project: 1080.109

APPENDIX A

ANALYTICAL RESULTS



Asbestos Laboratory Report

Prepared for

Summit ELT, Inc.

Project: 460 Fewell Street

Summit #: 2016-7-25-1080.109

Date Analyzed: 7/27/2016

Date Reported: 7/27/2016

Total Samples Analyzed: 33

Samples >1% Asbestos: 2

Method of Analysis: EPA 600 / R93 / 116



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715
Phone: (704) 504-1717

Summit Order: 2016-7-25-1080.109

Summit ELT, Inc.
3575 Centre Circle
Fort Mill, SC 29715

Date Received: 7/25/2016

Date Analyzed: 7/27/2016

Date Reported: 7/27/2016

Project : 460 Fewell Street

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

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Asbestos
WB-1-Drywall 2016-7-25-1080.109-1	Wallboard	Gray/Brown Fibrous Homogeneous	15% Cellulose	85% Non-Fibrous (other)	None Detected
WB-1-Joint Compound 2016-7-25-1080.109-1A	Wallboard	Tan Non-Fibrous Homogeneous		98% Non-Fibrous (other)	2% Chrysotile
WB-2-Drywall 2016-7-25-1080.109-2	Wallboard	Gray/Brown Fibrous Homogeneous	15% Cellulose	85% Non-Fibrous (other)	None Detected
WB-2-Joint Compound 2016-7-25-1080.109-2A	Wallboard				Positive Stop (not analyzed)
WB-3-Drywall 2016-7-25-1080.109-3	Wallboard	Gray/Brown Fibrous Homogeneous	15% Cellulose	85% Non-Fibrous (other)	None Detected
WB-3-Joint Compound 2016-7-25-1080.109-3A	Wallboard				Positive Stop (not analyzed)
WB-4-Drywall 2016-7-25-1080.109-4	Wallboard	Gray/Brown Fibrous Homogeneous	15% Cellulose	85% Non-Fibrous (other)	None Detected
WB-4-Joint Compound 2016-7-25-1080.109-4A	Wallboard				Positive Stop (not analyzed)
WB-5-Drywall 2016-7-25-1080.109-5	Wallboard	Gray/Brown Fibrous Homogeneous	15% Cellulose	85% Non-Fibrous (other)	None Detected
WB-5-Joint Compound 2016-7-25-1080.109-5A	Wallboard				Positive Stop (not analyzed)
Kit FL-1-Flooring 2016-7-25-1080.109-6	Kitchen Sheet Flooring	Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-Fibrous (other)	None Detected
Kit FL-1-Mastic 2016-7-25-1080.109-6A	Kitchen Sheet Flooring	Tan Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
Kit FL-2-Flooring 2016-7-25-1080.109-7	Kitchen Sheet Flooring	Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-Fibrous (other)	None Detected
Kit FL-2-Mastic 2016-7-25-1080.109-7A	Kitchen Sheet Flooring	Tan Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
CAR-1-Carpet 2016-7-25-1080.109-8	Carpet & Mastic	Brown Fibrous Homogeneous	80% Synthetic	20% Non-Fibrous (other)	None Detected



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Date Received: 7/25/2016

Date Analyzed: 7/27/2016

Date Reported: 7/27/2016

Project : 460 Fewell Street

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

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Asbestos
CAR-1-Mastic	Carpet & Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-8A					
CAR-2-Carpet	Carpet & Mastic	Brown Fibrous Homogeneous	80% Synthetic	20% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-9					
CAR-2-Mastic	Carpet & Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-9A					
Win Glz-1	Window Glazing	Gray/White Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-10					
Win Glz-2	Window Glazing	Gray/White Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-11					
SI FLT-1	Siding Felt	Black Fibrous Homogeneous	60% Cellulose	40% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-12					
SI FLT-2	Siding Felt	Black Fibrous Homogeneous	60% Cellulose	40% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-13					
Trans-1	Transite	Gray/White Fibrous Homogeneous	10% Cellulose	90% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-14					
Trans-2	Transite	Gray/White Fibrous Homogeneous	10% Cellulose	90% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-15					
Trans-3	Transite	Gray/White Fibrous Homogeneous	10% Cellulose	90% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-16					
B&M-1-Brick	Brick & Mortar	Red Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-17					
B&M-1-Mortar	Brick & Mortar	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-17A					
B&M-2-Brick	Brick & Mortar	Red Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-18					
B&M-2-Mortar	Brick & Mortar	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
2016-7-25-1080.109-18A					



Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715
Phone: (704) 504-1717

Summit Order: 2016-7-25-1080.109

Summit ELT, Inc.
3575 Centre Circle
Fort Mill, SC 29715

Date Received: 7/25/2016

Date Analyzed: 7/27/2016

Date Reported: 7/27/2016

Project : 460 Fewell Street

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

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
B&M-3-Brick 2016-7-25-1080.109-19	Brick & Mortar	Red Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
B&M-3-Mortar 2016-7-25-1080.109-19A	Brick & Mortar	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
CB-1 2016-7-25-1080.109-20	Concrete Block	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
CB-2 2016-7-25-1080.109-21	Concrete Block	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
CB-3 2016-7-25-1080.109-22	Concrete Block	Gray Non-Fibrous Homogeneous		100% Non-Fibrous (other)	None Detected
CH Mas-1 2016-7-25-1080.109-23	Chimney Mastic	Black Fibrous Homogeneous		95% Non-Fibrous (other)	5% Chrysotile
CH Mas-2 2016-7-25-1080.109-24	Chimney Mastic				Positive Stop (not analyzed)
CH Mas-3 2016-7-25-1080.109-25	Chimney Mastic				Positive Stop (not analyzed)
Roof-1 2016-7-25-1080.109-26	Shingle & Felt	Black/Gray Fibrous Homogeneous	5% Glass	95% Non-Fibrous (other)	None Detected
Roof-2 2016-7-25-1080.109-27	Shingle & Felt	Black/Gray Fibrous Homogeneous	5% Glass	95% Non-Fibrous (other)	None Detected



METHOD: EPA 600 / R93 / 116

For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended.

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Analyst(s): 
Chris Estes

Approved By: 
Michael Zavislak,
Approved Signatory

NVLAP Lab Code 600041-0

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



CHAIN OF CUSTODY

LAB USE ONLY:
Summit Order Number: <i>2016-7-25-1080.109</i>

3575 Centre Circle, Fort Mill, SC 29715
 Tel: 704-504-1717; Fax: 704-504-1125

COMPANY CONTACT INFORMATION	
Company: Summit ELT	Client #:
Address:	Job Contact:
	Email:
	Tel:
Project Name: 460 Fewell Street	Fax:
Project ID #: 1080.109	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR	8 HR	12 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POSITIVE STOP ANALYSIS:		<input checked="" type="checkbox"/>						

COMMENTS:		<input checked="" type="checkbox"/> Accept Samples	
		<input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Chris Estro</i>	<i>7/25/16</i>	<i>Chris Estro</i>	<i>7/25/16</i>

Samples will be disposed of 60 days after analysis



SAMPLING FORM

LAB USE ONLY:
Summit Order Number:

COMPANY CONTACT INFORMATION	
Company: Summit ELT	Job Contact:
Project Name: 460 Fewell Street	
Project ID #: 1080.109	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
WB-1	Wallboard	HA 1	7/22/2016
WB-2	"		7/22/2016
WB-3	"		7/22/2016
WB-4	"		7/22/2016
WB-5	"		7/22/2016
Kit FL-1	Kitchen Sheet Flooring	HA 2	7/22/2016
Kit FL-2	"		7/22/2016
CAR-1	Carpet & Mastic	HA 3	7/22/2016
CAR-2	"		7/22/2016
Win Glz-1	Window Glazing	HA 4	7/22/2016
Win Glz-2	"		7/22/2016
SI FLT-1	Siding Felt	HA 5	7/22/2016
SI FLT-2	"		7/22/2016
Trans 1	Transite	HA 6	7/22/2016
Trans-2	"		7/22/2016
Trans-3	"		7/22/2016
B&M-1	Brick & Mortar	HA 7	7/22/2016
B&M-2	"		7/22/2016
B&M-3	"		7/22/2016
CB-1	Concrete Block	HA 8	7/22/2016
CB-2	"		7/22/2016
CB-3	"		7/22/2016
CH Mas-1	Chimney Mastic	HA 9	7/22/2016
CH Mas-2	"		7/22/2016
Roof-1	Shingle & Felt	HA 10	7/22/2016
Roof-2	"		7/22/2016

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273
 Phone/Fax: (704) 525-2205 / (704) 525-2382
<http://www.EMSL.com> charlottelab@emsl.com

EMSL Order: 411605781
 CustomerID: SECS21A
 CustomerPO:
 ProjectID:

Attn: **Chris Estes**
Summit Engineering & Construct. Services
3575 Centre Circle
Fort Mill, SC 29715

Phone: (803) 547-8107
 Fax:
 Received: 07/25/16 5:00 PM
 Analysis Date: 7/28/2016
 Collected: 7/22/2016

Project: **460 Fewell Street**

**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
Kit FL-3-Flooring 411605781-0001	Kitchen Sheet Flooring	Gray Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
Kit FL-3-Mastic 411605781-0001A	Kitchen Sheet Flooring	Tan Non-Fibrous Heterogeneous	99.4	0.58 Fibrous (other)	No Asbestos Detected
CAR-3 411605781-0002	Carpet and Mastic	Tan/Various Non-Fibrous Heterogeneous	99.9	0.11 Fibrous (other)	No Asbestos Detected
SI FLT-3 411605781-0003	Siding Felt	Brown/Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
Win Glz-3 411605781-0004	Window Glaze	Gray/White Non-Fibrous Heterogeneous	99.8	0.21 Fibrous (other)	No Asbestos Detected
Roof-3 411605781-0005	Roofing	Black Non-Fibrous Heterogeneous	99.6	0.42 Fibrous (other)	No Asbestos Detected

Analyst(s)

Aaron Hartley (6)

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. Charlotte, NC

Initial report from 07/29/2016 09:20:34



EMSL ANALYTICAL, INC.
LABORATORY-PRODUCTS-TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

411605781

PHONE:
FAX:

Company Name : Summit ELT, Inc.		EMSL Customer ID:	
Street: 3575 Centre Circle		City: Fort Mill	State/Province: SC
Zip/Postal Code: 29715	Country: USA	Telephone #: 704 504-1125	Fax #:
Report To (Name): Chris Estes		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: cestes@summit-companies.com		Purchase Order:	
Project Name/Number: 460 Fewell Street		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: SC		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** <small>Third Party Billing requires written authorization from third party</small>			
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 PLM - Bulk (reporting limit) <input 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"/> NIOSH 9002 (<1%)		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 - 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	
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) Soil/Rock/Vermiculite* <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <small>*Can not accept New York State Loose Fill Vermiculite Samples</small> Other: <input type="checkbox"/>			
<input 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: Chris Estes		Samplers Signature: <i>Chris Estes</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
Kit FL-3	Kitchen Sheet Flooring		7/22/16
CAR-3	Carpet and mastic		↓
SI FLT-3	Siding Felt		
Win Glz-3	Window Glaze		
Roof-3	Roofing		
Client Sample # (s): -		Total # of Samples:	
Relinquished (Client): <i>R. M. Wjycke</i>		Date: 7-25-2016	Time: 1656
Received (Lab): <i>Kyle Nelson</i>		Date: 7/26/16	Time: 5:00pm NJW
Comments/Special Instructions:			

APPENDIX B

ASBESTOS LICENSES

SCDHEC ISSUED
Asbestos ID Card

Christopher Estes



Expiration Date

SUPERAHERA SA-02395	04/07/17
AIRSAMPLER AS-00451	04/07/17
CONSULTMP MP-00228	04/08/17
CONSULTBI BI-01410	04/08/17

APPENDIX C

SUMMIT DOCUMENTATION

