

ADDENDUM NUMBER 1
Friday, September 30, 2016

PROJECT: **USC Lancaster Starr Hall Renovation – Phase II**
 USC PROJECT NO. H37-9517
 GMC PROJECT NO. AGRE160038

This addendum forms a part of the Construction Documents and modifies the original Bidding Documents dated 09.09.16 as noted below. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

GENERAL:

- A1G1 An additional 25 days will be granted for the substantial completion of the Alternate #1 portion of the project. This portion will be phased to begin after abatement and after start of base bid construction.
- A1G2 Doors: All existing doors and frames are to be salvaged and turned over to the owner as per drawings. GC to deliver doors to owner's on campus storage location.
- A1G3 Flooring: In base bid area, GC is responsible for all flooring removal, prep and leveling. Carpet, VCT and base is owner furnished, owner installed. In the alternate area, owner will demolish floor, GC is responsible for all flooring prep and new ceramic tile.
- A1G4 Electrical: It is the GC's responsibility to ensure the electrical and data items in Room 128D provide continuous, uninterrupted service to the rest of the building during construction.
- A1G5 Mechanical: GC to adjust all ducts and diffusers as required to align with new ceiling installation. Existing diffusers to be cleaned and reused. Any damaged diffusers to be replaced by GC.
- A1G6 Toilet Flanges – Prior to installation of the toilets, toilet flanges are to be replaced.
- A1G7 Contractors are to provide portable lavatories for use by workers.
- A1G8 Hazardous Material Abatement – The owner shall contract other parties to provide abatement and demolition in bathrooms 108 and 109, demolition shall include: fixtures, accessories, ceilings, wall tile and floor tile. The general contractor shall be responsible for disconnection of all mechanical, plumbing and electrical items prior to demolition by others.
A copy of the hazardous material survey is attached to this addendum for the purpose of awareness to the abatement issue. The affected drawings are listed below.
- A1G9 The last day for questions shall be 10/05/16 @ 10:00am and must be submitted in writing.

DRAWINGS:

- A1D1 Sheet A103, Demolition Keyed and General Notes Legend – Reference Hazardous Material - Lead and Asbestos: Lead and asbestos removal are not in the general contractor's scope. The owner shall contract other parties to provide abatement and demolition in bathrooms 108 and 109, demolition shall include: fixtures, accessories, ceilings, wall tile and floor tile. The general contractor shall be responsible for disconnection of all mechanical, plumbing and electrical items prior to demolition by

others. The general contractor shall be responsible for all needed floor and wall leveling, patching, and/or furring for installation of finishes.

A1D2 Sheet A105, Demolition Keyed and General Notes Legend – Reference Hazardous Material - Lead and Asbestos: Lead and asbestos removal are not in the general contractor's scope. The owner shall contract other parties to provide abatement and demolition in bathrooms 108 and 109, demolition shall include: fixtures, accessories, ceilings, wall tile and floor tile. The general contractor shall be responsible for disconnection of all mechanical, plumbing and electrical items prior to demolition by others. The general contractor shall be responsible for all needed floor and wall leveling, patching, and/or furring for installation of finishes.

END OF ADDENDUM NUMBER 1



LIMITED ASBESTOS AND LEAD INSPECTION REPORT

FOR

University of South Carolina Lancaster

476 Hubbard Drive

Lancaster, South Carolina 29720

LOCATION

USC Lancaster, Starr Hall (limited areas)

1057 Hubbard Drive

Lancaster, South Carolina

INSPECTION DATE: June 14, 2016

REPORT DATE: June 17, 2016

INSPECTOR

Dustin Henderson – SC-DHEC License #BI-01510

For

Crossroads Environmental, LLC

1258 Boiling Springs Road

Spartanburg, South Carolina 29303

(864) 541-8736

CRE Project # 14269-IN

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June 17, 2016

Mr. Glen Jackson
University of South Carolina Lancaster
476 Hubbard Drive
Lancaster, South Carolina 29720

Re: Limited Asbestos and Lead Inspection Report
University of South Carolina Lancaster, Starr Hall
1057 Hubbard Drive, Lancaster, SC 29270
CRE Project Number: 14269-IN

Dear Mr. Jackson:

Crossroads Environmental, LLC (CRE) completed a limited asbestos and lead inspection of the USC Lancaster, Starr Hall located at 1057 Hubbard Drive in Lancaster, South Carolina on June 14, 2016. The purpose of the inspection was to perform an asbestos and lead assessment of any materials that may be impacted by upcoming renovations. The inspection was limited in scope to four restrooms, Admissions Office and connecting hallway. The inspection was performed by a SC-DHEC Licensed Asbestos Inspector, and in accordance with South Carolina Department of Health and Environmental Control (SC-DHEC) and Environmental Protection Agency (EPA) Requirements. **A detailed summary table of the sampling is included in Attachment I; however, this report should be read in its entirety.**

Building Description

The scope of work included in CRE's inspection was carpet glue throughout the Admissions Office and connecting hallways, as well as perimeter cove base and associated mastic. Also lead testing was done in all four restrooms along with vinyl floor tile and associated mastic in the public women's restroom.

Inspection Strategy/Sampling Protocol

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous

areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material, three samples of each type of thermal system insulation, and the sample requirements for surfacing are based on square footage).

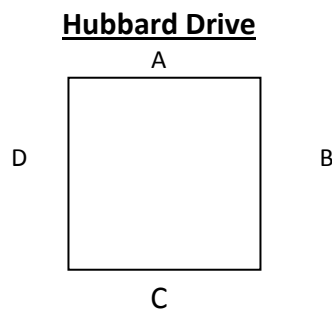
Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis. Stop positive analysis was requested on all materials except for surfacing (sprayed-on or troweled-on materials such as joint compound and fireproofing). Stop positive analysis means that if one sample of a material in a homogeneous area is found to contain asbestos, then the other samples of that material are not analyzed, but are assumed to contain asbestos based on the results from the first sample analyzed.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected.

Lead

The lead testing was performed using a Niton XLp 300 (Serial #: 20420) analyzer, which does not require substrate correction. Following proper calibration of the XRF, representative components were tested for lead content. Following proper calibration of the XRF, representative painted building components were tested.

In reviewing the lead results table, Table I., included in Appendix A, please note that the building side designations are as follow:



Results

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

Results indicated that greater than one percent asbestos was detected in the 12"x12" tan vinyl floor tile and black mastic. The ceiling tiles located in the restrooms were previously sampled and found to contain greater than one percent asbestos.

According to the Environmental Protection Agency (EPA), paint containing ≥ 1 mg/cm² of lead (by XRF) or 0.5% by weight (paint chip analysis) is considered lead-based paint (LBP). OSHA Regulations apply if there is any detectable lead, regardless of amount.

Results indicated that lead was detected in the ceramic tiles located on the walls in all four sampled restrooms.

Relevant Regulatory Requirements/Recommendations

Air Monitoring- Air monitoring by a SC-DHEC Licensed Air Monitor will be required on this project.

Closing Statements and Limitations

Every effort was made to identify all materials in accessible areas. There is the possibility that suspect materials were not identified in inaccessible areas. If any suspect material is discovered that is not included within this report, it should be sampled before it is physically disturbed. If any materials are scheduled to be disturbed that were not included in this inspection, then they should be sampled prior to disturbance.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of University of South Carolina, Lancaster. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide University of South Carolina, Lancaster with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,



Dustin Henderson
Licensed Inspector



Kay H. Horton
President

Dh

Attachments – (4)

**ATTACHMENT I
ASBESTOS SUMMARY TABLE
AND LEAD RESULTS**

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 14269-IN	
Location:	USC Lancaster, Starr Hall								
Client:	University of South Carolina Lancaster							DATE: June 14, 2016	
<p>Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive</p>									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
01	Misc.	Green Carpet Glue	096	NAD	/	Megan Catoe Office	3,264 sq.ft.	Good; Non-Friable	Located throughout Admissions Office and half of the hallway outside of the Admissions office.
			097	NAD	/	Entry door to Admin. Office			
			098	/	NAD	Jennifer Blackmon office.			
02	Misc.	Blue Cove Base & Mastic	099 Cove Base 099 Mastic	NAD NAD	/ /	Located @ RM 127	332 In.ft.	Good; Non-Friable	Located throughout Admissions Office and hallway of Rooms 126 and 127.
			100 Cove Base 100 Mastic	NAD NAD	/ /	Located @ Staff only entrance			
			101 Cove Base 101 Mastic	/ /	NAD NAD	Located @ Exit door			

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 14269-IN	
Location:	USC Lancaster, Starr Hall								
Client:	University of South Carolina Lancaster							DATE: June 14, 2016	
<p>Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive</p>									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
03	Misc.	12"x 12" Tan VFT and Black Mastic	102 Floor Tile 102 Mastic/ Leveling	3% C 6% C	/	Located @ Entry door	84 sq.ft.	Damage; Non-Friable	Located in the public women's restroom.
			103 Floor Tile 103 Mastic/ Leveling	SP	/	At Damage			
			104 Floor Tile 104 Mastic/ Leveling	SP	/	At Damage			
04	Misc.	Yellow Carpet Glue	105	NAD	/	Located @ Exit Door	1,164 sq.ft.	Good; Non-Friable	Located in the hallways of rooms 126 & 127.
			106	NAD	/	Located @ 127 Door			
			107	/	NAD	Center of Hallway @ Couch			
Note: The ceiling tiles in the restrooms were previously sampled and found to contain asbestos.									

Reading No	Time	Type	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Lead Results mg / cm ^2
1469	6/14/2016 10:08	ShutterCal										1.87
1470	6/14/2016 10:19	Paint	WALL	CERAMIC	A	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Positive	2
1471	6/14/2016 10:21	Paint	WALL	CERAMIC	B	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Positive	1.8
1472	6/14/2016 10:22	Paint	WALL	CERAMIC	D	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Negative	<LOD
1473	6/14/2016 10:22	Paint	WALL	CERAMIC	D	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Positive	2.2
1474	6/14/2016 10:23	Paint	WALL	CERAMIC	C	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Positive	2.8
1475	6/14/2016 10:24	Paint	FLOOR	CERAMIC	C	INTACT	WHITE & GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Negative	<LOD
1476	6/14/2016 10:24	Paint	FLOOR	CERAMIC	A	INTACT	WHITE & GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Negative	<LOD
1477	6/14/2016 10:24	Paint	FLOOR	CERAMIC	B	INTACT	WHITE & GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Negative	<LOD
1478	6/14/2016 10:25	Paint	FLOOR	CERAMIC	D	INTACT	WHITE & GREEN	USC LANCASTER STAR_HALL	FIRST	WOMENS BATHROOM	Negative	<LOD
1479	6/14/2016 10:26	Paint	FLOOR	CERAMIC	A	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Negative	<LOD
1480	6/14/2016 10:27	Paint	FLOOR	CERAMIC	C	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Negative	<LOD
1481	6/14/2016 10:27	Paint	FLOOR	CERAMIC	B	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Negative	<LOD
1482	6/14/2016 10:27	Paint	FLOOR	CERAMIC	D	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Negative	<LOD
1483	6/14/2016 10:28	Paint	WALL	CERAMIC	A	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Positive	2.3
1484	6/14/2016 10:29	Paint	WALL	CERAMIC	B	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Positive	2.3
1485	6/14/2016 10:30	Paint	WALL	CERAMIC	C	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Positive	2.5
1486	6/14/2016 10:30	Paint	WALL	CERAMIC	D	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	MENS BATHROOM	Positive	2.7
1487	6/14/2016 10:32	Paint	WALL	CERAMIC	D	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Positive	2.5
1488	6/14/2016 10:33	Paint	WALL	CERAMIC	A	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Positive	3.2
1489	6/14/2016 10:33	Paint	WALL	CERAMIC	B	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Positive	1.8
1490	6/14/2016 10:34	Paint	WALL	CERAMIC	C	INTACT	BEIGE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Positive	2.3
1491	6/14/2016 10:35	Paint	FLOOR	CERAMIC	C	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Negative	<LOD
1492	6/14/2016 10:35	Paint	FLOOR	CERAMIC	A	INTACT	BEIGE & PINK	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM MEN	Negative	<LOD
1493	6/14/2016 10:37	Paint	WALL	CERAMIC	A	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1494	6/14/2016 10:37	Paint	WALL	CERAMIC	B	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1495	6/14/2016 10:38	Paint	WALL	CERAMIC	C	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1496	6/14/2016 10:38	Paint	WALL	CERAMIC	D	INTACT	GREEN	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Positive	2.5
1497	6/14/2016 10:39	Paint	FLOOR	CERAMIC	D	INTACT	GREEN & WHITE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1498	6/14/2016 10:40	Paint	FLOOR	CERAMIC	B	INTACT	GREEN & WHITE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1499	6/14/2016 10:40	Paint	FLOOR	CERAMIC	A	INTACT	GREEN & WHITE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1500	6/14/2016 10:41	Paint	WALL	CONCRETE	A	INTACT	WHITE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1501	6/14/2016 10:41	Paint	WALL	CONCRETE	C	INTACT	WHITE	USC LANCASTER STAR_HALL	FIRST	FACULTY BATHROOM WOMENS	Negative	<LOD
1502	6/14/2016 10:42	Paint	WALL	CONCRETE	C	INTACT	WHITE	USC LANCASTER STAR_HALL	FIRST	BATHROOM MENS	Negative	<LOD
1503	6/14/2016 10:43	Paint	WALL	CONCRETE	A	INTACT	WHITE	USC LANCASTER STAR_HALL	FIRST	BATHROOM MENS	Negative	<LOD

ATTACHMENT II
LABORATORY REPORT(S)



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



NVLAP Lab Code: 200664-0

Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 1611723
Analysis ID: 1611723_PLM
Date Received: 6/15/2016
Date Reported: 6/15/2016

Project: 14269-IN

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
096	Green Carpet Glue	None Detected		100% Other	Green Non Fibrous Heterogeneous
1611723PLM_1					Dissolved
097	Green Carpet Glue	None Detected		100% Other	Green Non Fibrous Heterogeneous
1611723PLM_2					Dissolved
098	Green Carpet Glue	Not Analyzed			
1611723PLM_3	TEM				
099 - A	Blue Cove Base & Glue (don't analyze any drywall)	None Detected		100% Other	Blue Non Fibrous Homogeneous
1611723PLM_4	cove base				Ashed
099 - B	Blue Cove Base & Glue (don't analyze any drywall)	None Detected		100% Other	Beige Non Fibrous Homogeneous
1611723PLM_13	mastic				Ashed
100 - A	Blue Cove Base & Glue (don't analyze any drywall)	None Detected		100% Other	Blue Non Fibrous Homogeneous
1611723PLM_5	cove base				Ashed
100 - B	Blue Cove Base & Glue (don't analyze any drywall)	None Detected		100% Other	Beige Non Fibrous Homogeneous
1611723PLM_14	mastic				Ashed
101 - A	Blue Cove Base & Glue (don't analyze any drywall)	Not Analyzed			
1611723PLM_6	cove base - TEM				

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (18)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
101 - B	Blue Cove Base & Glue (don't analyze any drywall)	Not Analyzed			
1611723PLM_15	mastic - TEM				
102 - A	12" x 12" Tan VFT & Black Mastic	3% Chrysotile		97% Other	Beige Non Fibrous Heterogeneous
1611723PLM_7	floor tile				Dissolved
102 - B	12" x 12" Tan VFT & Black Mastic	6% Chrysotile		94% Other	Gray, Black Non Fibrous Heterogeneous
1611723PLM_16	mastic/leveling compound				Dissolved
103 - A	12" x 12" Tan VFT & Black Mastic	Not Analyzed			
1611723PLM_8	floor tile				
103 - B	12" x 12" Tan VFT & Black Mastic	Not Analyzed			
1611723PLM_17	mastic/leveling				
104 - A	12" x 12" Tan VFT & Black Mastic	Not Analyzed			
1611723PLM_9	floor tile				
104 - B	12" x 12" Tan VFT & Black Mastic	Not Analyzed			
1611723PLM_18	mastic/leveling				
105	Yellow Carpet Glue	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1611723PLM_10					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (18)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
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Attn: Kay Horton

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Date Received: 6/15/2016
Date Reported: 6/15/2016

Project: 14269-IN

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
106	Yellow Carpet Glue	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1611723PLM_11					Dissolved
107	Yellow Carpet Glue	Not Analyzed			
1611723PLM_12	TEM				

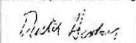
Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (18)

Analyst

Approved Signatory

1611723

Client:	Crossroads Environmental, LLC	Relinquished By:  Fed EX 8099 2174 6161	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sailab.com
Contact:	Kay H. Horton		
Address:	1258 Boiling Springs Road		
Phone:	864-541-8736		
Fax:	864-541-8776		
Email:	results@crossroadsenv.net		
Project:	14269-IN		
Client Notes:	Stop Positive		
P.O. #.			
Date Submitted:	6/14/2016 0:00		
Analysis:	PLM Bulk / TEM Bulk		
TurnAroundTime:	24 hour / 24 hour		

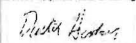
Sample Number	HA Number	Sample Description	Data 2
<<			
096	1	Green Carpet Glue	PLM
097	1	Green Carpet Glue	PLM
098	1	Green Carpet Glue	TEM
099	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
100	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
101	2	Blue Cove Base & Glue (don't analyze any drywall)	TEM
102	3	12" x 12" Tan VFT & Black Mastic	PLM
103	3	12" x 12" Tan VFT & Black Mastic	PLM
104	3	12" x 12" Tan VFT & Black Mastic	TEM
105	4	Yellow Carpet Glue	PLM
106	4	Yellow Carpet Glue	PLM
107	4	Yellow Carpet Glue	TEM

Accepted

Rejected

MCOF 6/15 1030A

1611723

Client:	Crossroads Environmental, LLC	Relinquished By:  Fed EX 8099 2174 6161	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sailab.com
Contact:	Kay H. Horton		
Address:	1258 Boiling Springs Road		
Phone:	864-541-8736		
Fax:	864-541-8776		
Email:	results@crossroadsenv.net		
Project:	14269-IN		
Client Notes:	Stop Positive		
P.O. #.			
Date Submitted:	6/14/2016 0:00		
Analysis:	PLM Bulk / TEM Bulk		
TurnAroundTime:	24 hour / 24 hour		

Sample Number	HA Number	Sample Description	Data 2
<<			
096	1	Green Carpet Glue	PLM
097	1	Green Carpet Glue	PLM
098	1	Green Carpet Glue	TEM
099	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
100	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
101	2	Blue Cove Base & Glue (don't analyze any drywall)	TEM
102	3	12" x 12" Tan VFT & Black Mastic	PLM
103	3	12" x 12" Tan VFT & Black Mastic	PLM
104	3	12" x 12" Tan VFT & Black Mastic	TEM
105	4	Yellow Carpet Glue	PLM
106	4	Yellow Carpet Glue	PLM
107	4	Yellow Carpet Glue	TEM

Accepted

Rejected

MCOF 6/15 1030A



Bulk Asbestos Analysis by Transmission Electron Microscopy

Semi-Quantitative
Chatfield SOP 1988-02 Rev. 1

Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 1611786

Analysis ID: 1611786_TBS

Date Received: 6/16/2016

Date Reported: 6/17/2016

Project: 14269-IN

Sample ID	Description	Organic	Acid Sol.	Asbestos	LCL-UCL
<i>Lab Sample ID</i>	<i>Lab Notes</i>	<i>(Wt. %)</i>	<i>(Wt. %)</i>	<i>(Wt. %)</i>	<i>(Wt. %)</i>
098	Green Carpet Glue	28%	-	None Detected	
<i>1611786TBS_1</i>					
101-A	Blue Cove Base & Glue (don't analyze any drywall)	5.7%	-	None Detected	
<i>1611786TBS_2</i>	<i>cove base</i>				
101-B	Blue Cove Base & Glue (don't analyze any drywall)	29%	-	None Detected	
<i>1611786TBS_3</i>	<i>mastic</i>				
107	Yellow Carpet Glue	59%	-	None Detected	
<i>1611786TBS_4</i>					

Disclaimer: This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

Russell Shelton (4)

Analyst

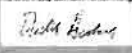
Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Approved Signatory

52-55

1611786

~~1611723~~

Client:	Crossroads Environmental, LLC	Relinquished By:  Fed EX 8099 2174 6161	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sallab.com
Contact:	Kay H. Horton		
Address:	1258 Bolling Springs Road		
Phone:	864-541-8738		
Fax:	864-541-8776		
Email:	results@crossroadsenv.net		
Project:	14269-IN		
Client Notes:	Stop Positive		
P.O. #:			
Date Submitted:	6/14/2018 0:00		
Analysis:	PLM Bulk / TEM Bulk		
TurnAroundTime:	24 hour / 24 hour		

Sample Number	HA Number	Sample Description	Data 2
<<			
098	1	Green Carpet Glue	PLM
097	1	Green Carpet Glue	PLM
088	1	Green Carpet Glue	TEM
099	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
100	2	Blue Cove Base & Glue (don't analyze any drywall)	PLM
101	2	Blue Cove Base & Glue (don't analyze any drywall)	TEM
102	3	12" x 12" Tan VFT & Black Mastic	PLM
103	3	12" x 12" Tan VFT & Black Mastic	PLM
104	3	12" x 12" Tan VFT & Black Mastic	TEM
105	4	Yellow Carpet Glue	PLM
106	4	Yellow Carpet Glue	PLM
107	4	Yellow Carpet Glue	TEM

Accepted

Rejected

MCCP 6/15 1030A

ATTACHMENT III
SAMPLE LOCATION SKETCH

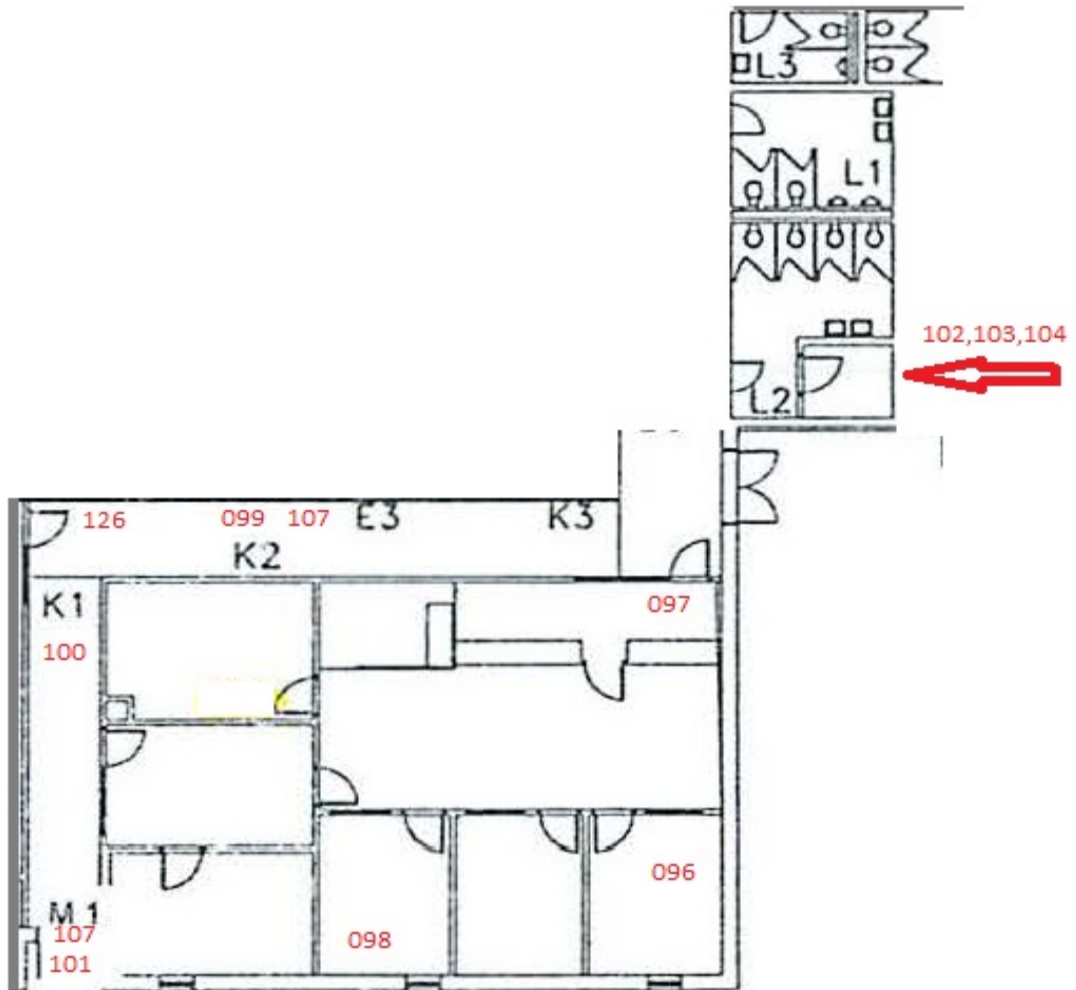
SAMPLE LOCATION SKETCH

Sketch #: 14269-IN

Project Name: USC Lancaster, Starr Hall

Project ID: 14269-IN

Date: June 14, 2016



**ATTACHMENT IV
ACCREDITATION(S)**

SCDHEC ISSUED

Asbestos ID Card

Dustin Henderson



Expiration Date

CONSULTBI	BI-01510	03/02/17
AIRSAMPLER	AS-00479	02/18/17

University of South Carolina-Lancaster
Pre Bid Sign In Sheet
 Lancaster, South Carolina

Project Name: USC Lancaster - Starr Hall Renovations - Phase II
 Project Number: H37-9517
 Pre Bid Date & Time: September 29, 2016, 10:00 am

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	743 Greene St, Columbia, SC	803.777.3596	jbrookin@fmc.sc.edu
Yes No	WES SPIRES	GMC	GREENVILLE, SC 29601 101 E. WASHINGTON	864.527.0460	WSPIRES@GMCNETWORK.COM
Yes No	Leo Garcia III	Jf Contractors	119 S. HARVIN ST. SUMNER S.C. 29151	803-774-8269 803-305-3878	lgarcia@jfcontractors.com
Yes No	Lee Miller	VSC	743 GREENE ST COLUMBIA SC	803-777-2834	lee.miller@sc.edu
Yes No	THAS FACE	LCK	1301 GEORGINA STREET SUMNER SC 29201	803-312-1748	CFACE@LCKCS.COM
Yes No	Taurus Taylor	Taylor Made Contracting LLC	879 Droy Creek Rd Columbia SC.	803-201-5767	Taurus Development@gmail.com
Yes No	Brent Funderburk	Funderburk Electric Inc.	P.O. 2888 Lancaster, SC 29220	803-804-2286	brentfunderburk@yahoo.com
Yes No					
Yes No					

***By signing this sheet you agree to receive information electronically.