



University of South Carolina
USC Upstate Urban & Regional Studies Institute
OSE Project No. H34-D014-ID
MPS Project No. 016034.00
April 28, 2016

ADDENDUM NO. 1

The following clarifications, amendments, additions, deletions, revisions, and/or modifications are hereby made a part of the Contract Documents and change the original documents only in the manner and to the extent stated below:

GENERAL

ITEM No. 1

Pre-Bid:

A list of attendees at the pre-bid held on April 26 16, 2016 at 2:00 PM EST is attached.

Request for Substitutions:

All Requests for Substitutions must be received in the office of the Architect no later than 2:00 PM on May 3, 2016.

Questions:

All questions must be submitted in writing to the Architect no later than 2:00 PM on May 3, 2016.

Addenda:

Addenda will be issued no later than 2:00pm on May 5, 2016, except to postpone the bid date or withdraw the request for bids.

Pre-Bid Comments:

Bid location: 501 River St. Greenville, S.C. 29601 Second Floor.

A business license for Greenville City will be required to qualify to preform work at USC Upstate – Greenville Office Space Renovation.

Contractors are to review the project manual for all forms and documents required for the project.

Late bids shall be rejected as non-responsive.

Bids without proper bid security, when required, shall be rejected as non-responsive.

po box 8922 greenville, sc 29604
o. 864 242 2033 f. 864 242 2034

mc millanpazdansmith.com

Qualified bids shall be rejected as nonresponsive.

Successful bidder will be required to provide Builders Risk Insurance covering the interest of all parties.

Due Date for Bids:

All bids must be received by 2:00pm on May 10, 2016. Bids should be delivered to 743 Greene St., Columbia Conf. Room 053.

DRAWINGS

ITEM No. 2 **Sheet A1.11**

Add the following to the 'Floor Plan Keynotes' note 6:

PROVIDE NEW 2'-0 WIDE CARPET TRANSITION AT NEW CASEWORK OPENING; CARPET TO MATCH EXISTING SOLID GREEN CARPET

Add the following to the 'Floor Plan Keynotes' note 10:

PROVIDE CEILING MOUNTED JUNCTION BOX FOR POWER CONNECTION TO TENANT PROVIDED A/V PROJECTOR; COORDINATE EXACT POWER AND CONTROL REQUIREMENTS WITH A/V VENDOR/TENANT; LOCATE A/S PROJECTOR APPROX. 14' FROM PROJECTOR SCREEN. EXACT LOCATION TO BE DETERMINED IN FIELD BY OWNER.

PROVIDE NEW 1" EMT CONDUIT WITH DEDICATED SHARED CIRCUIT FOR THE PROJECTOR AND LECTRUM.

Add the following to the 'Floor Plan Keynotes' note 11:

PAINT WALL SURFACES TO MATCH ADJACENT ROOM; SHERWIN WILLIAMS OR EQUAL/EGGSHELL FINISH

Classroom #1 Section:

NEW 16'-0" x 8'-0" CASED OPENING / REPAIR DRYWALL AS REQUIRED TO FINISH NEW BULKHEAD IN CASED OPENING/TRIM CASED OPENING WITH 1" x 6" PAINTED WOOD TRIM.

Classroom #2 and Classroom #3 Section:

NEW 10'-0" x 8'-0" CASED OPENING / REPAIR DRYWALL AS
REQUIRED TO FINISH NEW BULKHEAD IN CASED
OPENING/TRIM CASED OPENING WITH 1" x 6" PAINTED
WOOD TRIM.

End of Addenda No.1

Attachments:

Pre-Bid Attendees List
Limited Asbestos & Lead Survey

01 page
28 page

**University of South Carolina
Non Mandatory Pre Bid Sign In Sheet
Greenville, SC**

Project Name: USC Upstate Urban & Regional Studies Institute
Project Number: H34-D014-ID
Pre Bid Date & Time: Tuesday April 26, 2016 2:00PM 501 River Street Suite 200 Greenville SC 29101

SWMBE Contractor Indicate Below	Name	Company Name	Address	Phone #	
S W M B E	<i>Frank Scott</i>	<i>USC UPSTATE</i>			
S W M B E	<i>Troy Alexander</i>	<i>Capitol</i>	<i>1554 Nazareth Church Rd</i>	<i>864 944-1407</i>	<i>Troy@C.us</i>
S W M B E	<i>Jacob Bobineau</i>	<i>Leader / SCC</i>	<i>271 Henderson meadow (Lynn, SC)</i>	<i>978-400-6582</i>	<i>J.bobineau</i>
S W M B E	<i>Benjamin Brown</i>	<i>Highlands Construction, LLC</i>	<i>204 William Allen Spaulding St</i>	<i>(254) 580.3122</i>	<i>bcab@thg</i>
S W M B E					
S W M B E					
S W M B E					
S W M B E					
S W M B E					

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

LIMITED ASBESTOS & LEAD SURVEY

FOR

USC Upstate
800 University Way
Spartanburg, SC 29303

LOCATION

Urban and Regional Studies Institute (Rooms 205, 208, and 209)
501 River St
Greenville, South Carolina

INSPECTION DATE: March 15, 2016
REPORT DATE March 21, 2016

INSPECTORS

Stanley Berry – SC-DHEC License # ASB20411
Dustin Henderson – SC DHEC License # BI-01510

For

Crossroads Environmental, LLC
1258 Boiling Springs Road
Spartanburg, South Carolina 29303
(864) 541-8736
CRE Project # 14112-IN

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March 21, 2016

Mr. Cody Godfrey
USC Upstate
800 University Way
Gaffney, South Carolina 29341

Re: Limited Asbestos and Lead Inspection Report
Urban and Regional Studies Institute (Rooms 205, 208, and 209)
501 River St, Greenville SC
CRE Project Number: 14112-IN

Dear Mr. Godfrey:

Crossroads Environmental, LLC (CRE) completed a limited asbestos inspection of the Urban and Regional Studies Institute (S&RSI) building located at 501 River St in Greenville, South Carolina on March 15, 2016. The inspection was limited in scope to the second floor classrooms, 209, 208, and 205, which are slated for renovation activities. 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 U&RSI is located on the second floor of the main structure. This building consists of a brick exterior, along with drywall interior walls which sits atop of a concrete slab. The second floor is carpeted throughout, except for the four bathrooms located on this level. The floor also houses a recessed ceiling and an older tiled ceiling above the recessed ceiling throughout the second floor.

Inspection Strategy/Sampling Protocol

Asbestos

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.

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-Based Paint

The lead testing was performed by a trained technician using a Niton XLp 300 (Serial #: 90406) analyzer, which does not require substrate correction. Following proper calibration of the XRF, representative components and paint colors were tested for lead content.

Results

Asbestos

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 no asbestos was detected in the material sampled.

Lead-Based Paint

According to the Environmental Protection Agency (EPA), paint containing 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.

No lead was detected in the paint tested.

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 USC Upstate. 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 USC Upstate 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

Attachments – (4)

ATTACHMENT I
ASBESTOS SUMMARY TABLE

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT CRE

Location: USC Upstate Urban & Regional Studies Institute, 501 River Street, Greenville, SC (Rooms 205, 208, and 209)

Client: USC Upstate DA

Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=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, BUR=Built-up Roofing, Sur
 NAD=No Asbestos Detected, SP=Stop Positive

HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	
01	Surf.	Drywall, Tape, Spackle	101 Spackle	NAD	/	Classroom 209	1200 Sq. Ft	Good, Friable	Loc
			101 Drywall	NAD	/				
			102 Spackle	NAD	/	Classroom 208			
			102 Drywall	NAD	/				
			103 Spackle	NAD	/	Classroom 205			
103 Drywall	NAD	/							
02	Misc.	2' x 2' White Recessed Ceiling Tile	106	NAD	/	Classroom 209	1185 Sq.Ft	Good, Friable	Loc
			107	NAD	/	Classroom 208			
			108	NAD	/	Classroom 205			

Asbestos Inspector's Accreditation #: ASB-20411

Asbestos Inspector Printed Name: Stan Berry

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT CRE

Location: USC Upstate Urban & Regional Studies Institute, 501 River Street, Greenville, SC (Rooms 205, 208, and 209)

Client: USC Upstate DA

Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=PLM, 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, Sur
 NAD=No Asbestos Detected, SP=Stop Positive

HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	
03	Misc.	2' x 4' White Ceiling Tile (Old above recessed ceiling)	109	NAD	/	Classroom 209	1185 Sq.Ft	Good, Friable	Loc
			110	NAD	/	Classroom 208			
			111	NAD	/	Classroom 205			
04	Misc.	Carpet Glue	112	NAD	/	Classroom 205	1186 Sq.Ft	Good, Non- friable	Loc
			113	NAD	/	Classroom 208			
			114	/	NAD	Classroom 209			

Asbestos Inspector's Accreditation #: ASB-20411
 Asbestos Inspector Printed Name: Stan Berry

ATTACHMENT II
LABORATORY REPORT(S)



March 17, 2016

Crossroads Environmental
1258 Boiling Springs Road
Spartanburg, SC 29303

CLIENT PROJECT: 14112-IN
CEI LAB CODE: A16-1461

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on March 16, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Crossroads Environmental

CLIENT PROJECT: 14112-IN

CEI LAB CODE: A16-1461

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 03/17/16

TOTAL SAMPLES ANALYZED: 13

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 14112-IN

CEI LAB CODE: A16-1461

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
101	Layer 1	A2088939	White	Spackle	None Detected
	Layer 2	A2088939	Gray	Drywall	None Detected
102	Layer 1	A2088940	White	Spackle	None Detected
	Layer 2	A2088940	Gray	Drywall	None Detected
103	Layer 1	A2088941	White	Spackle	None Detected
	Layer 2	A2088941	Gray	Drywall	None Detected
104	Layer 1	A2088942	White	Spackle	None Detected
	Layer 2	A2088942	Gray	Drywall	None Detected
105	Layer 1	A2088943	White	Spackle	None Detected
	Layer 2	A2088943	Gray	Drywall	None Detected
106		A2088944	Gray	Ceiling Tile	None Detected
107		A2088945	Gray	Ceiling Tile	None Detected
108		A2088946	Gray	Ceiling Tile	None Detected
109		A2088947	Gray	Ceiling Tile	None Detected
110		A2088948	Gray	Ceiling Tile	None Detected
111		A2088949	Gray	Ceiling Tile	None Detected
112		A2088950	Yellow	Carpet Glue	None Detected
113		A2088951	Yellow	Carpet Glue	None Detected
114		A2088952		Sample Submitted for TEM Analysis	



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Crossroads Environmental
 1258 Boiling Springs Road
 Spartanburg, SC 29303

CEI Lab Code: A16-1461
Date Received: 03-16-16
Date Analyzed: 03-17-16
Date Reported: 03-17-16

Project: 14112-IN

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
101 Layer 1 A2088939	Spackle	Heterogeneous	55%	Calc Carb	None Detected		
		White	30%	Binder			
		Non-fibrous	15%	Silicates			
		Bound					
<hr/>							
Layer 2 A2088939	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
<hr/>							
102 Layer 1 A2088940	Spackle	Heterogeneous	55%	Calc Carb	None Detected		
		White	30%	Binder			
		Non-fibrous	15%	Silicates			
		Bound					
<hr/>							
Layer 2 A2088940	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
<hr/>							
103 Layer 1 A2088941	Spackle	Heterogeneous	55%	Calc Carb	None Detected		
		White	30%	Binder			
		Non-fibrous	15%	Silicates			
		Bound					
<hr/>							
Layer 2 A2088941	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
<hr/>							
104 Layer 1 A2088942	Spackle	Heterogeneous	55%	Calc Carb	None Detected		
		White	30%	Binder			
		Non-fibrous	15%	Silicates			
		Bound					



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Crossroads Environmental
 1258 Boiling Springs Road
 Spartanburg, SC 29303

CEI Lab Code: A16-1461
Date Received: 03-16-16
Date Analyzed: 03-17-16
Date Reported: 03-17-16

Project: 14112-IN

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
Layer 2 A2088942	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
105 Layer 1 A2088943	Spackle	Heterogeneous White Non-fibrous Bound			55%	Calc Carb	None Detected
			30%		15%	Binder Silicates	
Layer 2 A2088943	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
106 A2088944	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	
107 A2088945	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	
108 A2088946	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	
109 A2088947	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Crossroads Environmental
 1258 Boiling Springs Road
 Spartanburg, SC 29303

CEI Lab Code: A16-1461
Date Received: 03-16-16
Date Analyzed: 03-17-16
Date Reported: 03-17-16

Project: 14112-IN

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
110 A2088948	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	
111 A2088949	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75%	Cellulose	5%	Paint	None Detected
			10%	Fiberglass	10%	Perlite	
112 A2088950	Carpet Glue	Heterogeneous Yellow Fibrous Bound	<1%	Synthetic Fiber	95%	Mastic	None Detected
					5%	Silicates	
113 A2088951	Carpet Glue	Heterogeneous Yellow Fibrous Bound	<1%	Synthetic Fiber	95%	Mastic	None Detected
					5%	Silicates	
114 A2088952	Sample Submitted for TEM Analysis						



LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Candace Burrus
Candace Burrus

APPROVED BY: Tianbao Bai
Tianbao Bai, Ph.D., CIH
Laboratory Director



CROSSROADS ENVIRONMENTAL, LLC
 Sample Chain of Custody
 1258 Boiling Springs Road
 Spartanburg, SC 29303
 Phone (864) 541-8736
 Fax (864) 541-8776
 results@crossroadsenv.net

Date Sent: 3/15/16
 Project ID#: 14112-IN
 Submitted to: CET
 Number of Samples: 14
 Fax Results: _____ email _____
 Shipping Info: _____ # _____

Type of Analysis:

PCM
 PLM
 TEM
 AAS
 Other

Air _____
 Bulk _____

Chips/ _____
 Wipes _____
 Water _____

Turn Around:

24 HR
 48 HR
 72 HR
 5 Day

Other: _____

Special Instructions:

Stop Positive PLM any layers not TEM'd

Sample ID#	DESCRIPTION OF SAMPLE	COMMENTS
101	DRY WALL TAPE & SPACKLE	PCM
102	↓	↓
103	↓	↓
104	↓	↓
105	↓	↓
106	2'x2' WHITE RECESSED	PCM
107	↓ CEILING TILE	↓
108	↓	↓
109	2'x4' WHITE CEILING	PCM
110	↓ TILE	↓
111	↓	↓
112	GLUE FOR CARPET	PCM
113	↓	PCM
114	↓	TEM

Signature & Date of Handlers:

Relinquished By: Stan Berry 3/15/16
 Relinquished By: _____
 Relinquished By: _____

Received By: FED EX 80789956 1098
 Received By: _____
 Received By: PLF 3/16/16
9:40



March 21, 2016

Crossroads Environmental
1258 Boiling Springs Road
Spartanburg, SC 29303

CLIENT PROJECT: 14112-IN
CEI LAB CODE: T16-0375

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on March 17, 2016. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director



ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

Crossroads Environmental

CLIENT PROJECT: 14112-IN

CEI LAB CODE: T16-0375

TEST METHOD: Bulk Chatfield
EPA 600 / R93 / 116

REPORT DATE: 03/21/16

TEL: 866-481-1412

www.ceilabs.com



ASBESTOS BULK ANALYSIS
By: TRANSMISSION ELECTRON MICROSCOPY

Client: Crossroads Environmental
1258 Boiling Springs Road
Spartanburg, SC 29303

CEI Lab Code: T16-0375
Date Received: 03-17-16
Date Analyzed: 03-18-16
Date Reported: 03-21-16

Project: 14112-IN

TEM BULK CHATFIELD / EPA 600 / R93 / 116

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
114 T48001	Yellow Carpet Glue	0.449	51	1.6	47.4	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

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

ANALYST:

Kamila Reichert
Kamila Reichert

APPROVED BY:

Tianbao Bai
Tianbao Bai, Ph.D., CIH
Laboratory Director

CROSSROADS ENVIRONMENTAL, LLC
 Sample Chain of Custody
 1258 Boiling Springs Road
 Spartanburg, SC 29303
 Phone (864) 541-8736
 Fax (864) 541-8776
 results@crossroadsenv.net

Date Sent: 3/15/16
 Project ID#: 14112-IN
 Submitted to: CEI
 Number of Samples: 14
 Fax Results: _____ email _____
 Shipping Info: _____ # _____

Type of Analysis:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM	PLM	TEM	AAS	Other
Air	Bulk	Air	Chips/ Wipes	_____
		Bulk	Water	_____

Turn Around:

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM	TEM		
24 HR	48 HR	72 HR	5 Day

Other: _____

Special Instructions:

Stop Positive PLM any layers not TEM'd

Sample ID#	DESCRIPTION OF SAMPLE	COMMENTS
101	DRY WALL, TAPE & SPACKLE	
102		
103		
104		
105		
106	2 1/2' WHITE RECESSED	
107	CEILING TILE	
108		
109	7' X 4' WHITE CEILING	
110	TILE	
111		
112	GLUE FOR CARPET	
113		
114		

Handwritten notes in table:
 - Arrows from 101-105 point to 'HA01'
 - Arrows from 106-108 point to 'HA02'
 - Arrows from 109-111 point to 'HA03'
 - Arrows from 112-114 point to 'CA'
 - Comments: 'PLM' for 101, 106, 109; 'PCM' for 112; 'PLM' for 113; 'TEM' for 114.

Signature & Date of Handlers:

Relinquished By: Ann Barry 3/15/16
 Relinquished By: Candace B. 3/17 11:20
 Relinquished By: _____
 Received By: FED EX 8078 9756 1098
 Received By: _____
 Received By: PCF 3/16/16
2140

Reading No	Time	Type	Units	Component	Substrate	Condition	Color	Floor
459	3/15/2016 13:35	ShutterCal	cps					
460	3/15/2016 13:39	Paint	mg / cm ^2	WALL	DRYWALL	INTACT	WHITE	SECOND
461	3/15/2016 13:40	Paint	mg / cm ^2	WALL	DRYWALL	INTACT	WHITE	SECOND
462	3/15/2016 13:41	Paint	mg / cm ^2	WALL	DRYWALL	INTACT	WHITE	SECOND
463	3/15/2016 13:41	Paint	mg / cm ^2	WALL	DRYWALL	INTACT	WHITE	SECOND
464	3/15/2016 13:43	Paint	mg / cm ^2	BASEBOARD	WOOD	INTACT	BEIGE	SECOND
465	3/15/2016 13:43	Paint	mg / cm ^2	BASEBOARD	WOOD	INTACT	BEIGE	SECOND
466	3/15/2016 13:44	Paint	mg / cm ^2	BASEBOARD	WOOD	INTACT	BEIGE	SECOND
467	3/15/2016 13:45	Paint	mg / cm ^2	BASEBOARD	WOOD	INTACT	BEIGE	SECOND

Crossroads Environmental, LLC
1258 Boiling Springs Rd.
Spartanburg, SC 29303

ATTACHMENT III
SAMPLE LOCATION SKETCH

SAMPLE LOCATION SKETCH

Sketch #: 14112-IN

Project Name: LISC Upstate

Project ID: 14112-IN

Date: March 15 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

SCDHEC ISSUED
Asbestos ID Card

Stanley Berry

Expiration Date



CONSULTBI ASB-20411 02/15/17
AIRSAMPLER ASB-20289 04/05/16