ASBESTOS INSPECTION REPORT GEORGETOWN CITY HALL

CITY OF CHASING CHASIN Georgetown, South Carolina Asbestos Inspections, LLC Project # 2018-152 Performed in general accordance with SCDHEC regulation 61-86.1 along with OSHA regulation 29 CFR 1926

Assessment Completed by:



Asbestos Inspections, LLC 4686 Pee Dee Highway Conway, South Carolina 29527 (843) 397-7008

> Dawn Schoolcraft SCDHEC ID# BI-00738

Assessment Completed For:

City of Georgetown Mr. Ricky Martin 1134 North Fraser Street Georgetown, South Carolina 29440

Inspection Completed On – June 18, 2018 Report Prepared On -June 27, 2018

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1.0 SIGNATURE PAGE

This report has been performed at the request of Mr. Ricky Martin, with the City of Georgetown. The inspection was conducted by Mrs. Dawn Schoolcraft with Asbestos Inspections, LLC on June 18, 2018. The report was prepared and reviewed by the undersigned inspector.

Inspection Performed by:	SCDHEC#	Expires	Signature	Date	
Dawn Schoolcraft	BI-00738	1/2019	Dawn Schoolcraft	6/18/18	
Report Prepared by:					
Dawn Schoolcraft	BI-00738	1/2019	Dawn Schoolcraft	6/27/18	
Report Reviewed by:					
Dawn Schoolcraft	BI-00738	1/2019	Dawn Schoolcraft	6/27/18	



2.0 COVER LETTER

June 27, 2018

City of Georgetown Mr. Ricky Martin 1134 North Fraser Street Georgetown, South Carolina 29440

Subject:

Asbestos Inspection Report

Georgetown City Hall 120 North Fraser Street Georgetown, South Carolina

Asbestos Inspections, LLC Project # 2018-152

Asbestos Inspections, LLC has completed an Asbestos Inspection for the Georgetown City Hall located at 120 North Fraser Street, in Georgetown, South Carolina. The inspection was completed on June 18, 2018 by South Carolina Department of Health and Environmental Control (SCDHEC) building inspector.

The following report summarizes the project background, assessment procedures, results, and conclusions. The results presented in this report are indicative of conditions during the time of the inspection and of the specific areas outlined. The information provided in this report should not be used as a bidding document and field conditions should be verified. Should suspect building materials, not included within this report, be identified or impacted during the destructive activities, bulk samples must be collected and analyzed for asbestos content.

I appreciate this opportunity to provide my services. Should you have any questions concerning this report, please contact me at (843) 397-7008 or (843) 995-5197.

Sincerely,

Dawn Schoolcraft

Dawn Schoolcraft
Asbestos Building Inspector (SCDHEC #BI-00738)

3.0 EXECUTIVE SUMMARY

3.1 Scope and Purpose

Mr. Ricky Martin, with the City of Georgetown requested this inspection for the Georgetown City Hall located at 120 North Fraser Street, in Georgetown, South Carolina It is our understanding that the structure is scheduled for demolition. The purpose of this assessment is to identify asbestos containing materials (ACMs) prior to the scheduled demolition.

The inspection was completed in accordance with procedures specified in SCDHEC regulation 61.86.1 along with Occupational Safety and Health Administration (OSHA) regulation 29 Code of the Federal Regulations (CFR) 1926. The representative bulk samples collected were analyzed by a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory which is administered by the National Institute of Standards and Technology (NIST). This report has been prepared in accordance with Environmental Protection Agency (EPA) 40 CFR, 763.85(a)(4).

3.2 Facility Conditions

The subject building formerly operated as the Georgetown City Hall. The structure is approximately 16,100 square-feet commercial structure, constructed on a slab-on-grade foundation, with an asphalt shingle roof and a built-up roof over the atrium. The exterior of the building consists of a brick veneer with wood framed windows. The interior consists of multiple of offices, breakrooms, restrooms, conference and council rooms and a public lobby. The interior finishes consist of multiple drywall walls and drywall ceilings, suspended ceiling tiles, multiple floor coverings, pipe insulation, and HVAC system.

Suspect materials sampled during this inspection consists of multiple drywall walls and ceilings with associated joint compound, ceiling tiles, multiple floor tiles and vinyl sheet flooring, carpet mastic, multiple pipe insulations, HVAC duct mastic, carpet mastic, window caulking, ceiling tile, and multiple vinyl cove base mastics.

The possibility exists that suspect materials were undetected in inaccessible areas to enter, including but not limited to: locked rooms, behind exterior veneer, pipe chases, or wall voids. If additional suspect materials not included in this report are discovered during renovation, bulk samples should be collected and analyzed for asbestos content.

3.3 Findings and Conclusions

The EPA and SCDHEC define materials as asbestos containing if an asbestos content >1% is identified in a representative sample. **Asbestos >1% was detected** in the following materials sampled and analyzed:

 F2 – Asbestos containing black mastic associated with non-asbestos white floor tile in Corridor C and adjoining records room – Approximately 300 sf

• F4 – Asbestos containing black mastic underlying 2 layers of non-asbestos containing white floor tile/brown mastic/and tan floor tile. Located in Break Rooms 119 and 129 – Approximately 300 sf.

No asbestos >1% was detected in the remaining samples collected and analyzed.

A copy of this report along with an application for abatement must be submitted to SCDHEC 4 working days prior to abatement and 10 working days prior to demolition. Additionally, a copy of this report should be provided to the contractors to assist with compliance with applicable State and Federal regulations.

The results presented in this report are indicative of conditions during the time of the assessment. The information provided in this report should not be used as a bidding document and field conditions and quantities should be verified.

4.0 ASBESTOS ASSESSMENT DATA

The assessment was performed by observing and sampling suspect ACMs in the structure prior to the scheduled demolition. Representative bulk samples were then extracted, recorded on a chain of custody, and submitted to CEI Labs of Cary, North Carolina for laboratory analysis. The samples were tested via Polarized Light Microscopy (PLM).

The following table exhibits the suspect material sampled, location, quantity of material sampled, condition of material, potential for future disturbance, laboratory test method, and laboratory result for each sample collected.

Sample #	Material	Location	Cat./# Samples	Qty.	Asbestos Type	%	Cond.	Pot. Dist.	Haz. Assess.	Test Method
TSI1-01	White Pipe Wrap	Fiberglass			ND	0	G/NF	PSD	3	PLM
TSI1-02	White Pipe Wrap	Pipe Wrap Above	TSI/3	3,000 lf	ND	0	G/NF	PSD	3	PLM
TSI1-03	White Pipe Wrap	Ceiling Tiles Throughout			ND	0	G/NF	PSD	3	PLM
TSI2-01	White Cloth Pipe Wrap				ND	0	G/F	PSD	3	PLM
	Gray Insulation	HVAC	TSI/3	10 lf	ND	0	G/F	PSD	3	PLM
TSI2-02	White Cloth Pipe Wrap	Room on Pipe Insulation Elbows			ND	0	G/F	PSD	3	PLM
	Gray Insulation				ND	0	G/F	PSD	3	PLM
TSI2-03	White Cloth Pipe Wrap				ND	0	G/F	PSD	3	PLM
	Gray Insulation				ND	0	G/F	PSD	3	PLM
HVAC1-	White Mastic	HVAC		100 sf	ND	0	G/NF	PSD	3	PLM
01	Brown, Yellow Insulation				ND	0	G/F	PSD	3	PLM
HVAC1-	White Mastic	System Above			ND	0	G/NF	PSD	3	PLM
02	Brown, Yellow Insulation	Ceiling Tiles in Public Lobby	TSI/3		ND	0	G/F	PSD	3	PLM
HVAC1-	White Mastic				ND	0	G/NF	PSD	3	TEM
03	Brown, Yellow Insulation				ND	0	G/F	PSD	3	PLM

Sample #	Material	Location	Cat./# Samples	Qty.	Asbestos Type	%	Cond.	Pot. Dist.	Haz. Assess.	Test Method
	Brown, Black Shingle		77		ND	0	G/NF	PSD	3	PLM
R1-01	Black Shingle				ND	0	G/NF	PSD	3	PLM
	Black, Black Shingle				ND	0	G/NF	PSD	3	PLM
	White Tarpaper				ND	0	G/NF	PSD	3	PLM
	Brown, Black Shingle				ND	0	G/NF	PSD	3	PLM
R1-02	Black Shingle	Roof	M/3	12,000	ND	0	G/NF	PSD	3	PLM
KI 02	Black, Black Shingle	11001	11270	sf	ND	0	G/NF	PSD	3	PLM
	White Tarpaper				ND	0	G/NF	PSD	3	PLM
	Brown, Black Shingle				ND	0	G/NF	PSD	3	TEM
R1-03	Black Shingle				ND	0	G/NF	PSD	3	TEM
	Black, Black Shingle				ND	0	G/NF	PSD	3	TEM
	White Tarpaper				ND	0	G/NF	PSD	3	TEM
R2-01	Black Roof Tar	Roof (above atrium)		4,000 sf	ND	0	G/NF	PSD	3	PLM
R2-02	Black Roof Tar		M/3		ND	0	G/NF	PSD	3	PLM
R2-03	Black Roof Tar				ND	0	G/NF	PSD	3	TEM
R3-01	Silver Paint	Roof (atrium parapet wall flashing)	M/3	300 sf	ND	0	G/NF	PSD	3	PLM
	Black Flashing				ND	0	G/NF	PSD	3	PLM
R3-02	Silver Paint				ND	0	G/NF	PSD	3	PLM
	Black Flashing				ND	0	G/NF	PSD	3	PLM
	Silver Paint				ND	0	G/NF	PSD	3	TEM
R3-03	Black Flashing				ND	0	G/NF	PSD	3	TEM
DW1-01	White Joint Compound				ND	0	G/F	PSD	3	PLM
D 44 1-01	Gray Drywall				ND	0	G/F	PSD	3	PLM
DW1-02	White Joint Compound				ND	0	G/F	PSD	3	PLM
	Gray Drywall				ND	0	G/F	PSD	3	PLM
DW1-03	White Joint Compound				ND	0	G/F	PSD	3	PLM
2 1,7 00	Gray Drywall	Walls and			ND	0	G/F	PSD	3	PLM
DW1-04	White Joint Compound	Ceilings Throughout	S/7	42,500	ND	0	G/F	PSD	3	PLM
DW1-04	Gray Drywall	Original Portion of	5/1	sf	ND	0	G/F	PSD	3	PLM
DW1-05	White Joint Compound	Building			ND	0	G/F	PSD	3	PLM
DW1-05	Gray Drywall				ND	0	G/F	PSD	3	PLM
DW1-06	White Joint Compound				ND	0	G/F	PSD	3	PLM
	Gray Drywall				ND	0	G/F	PSD	3	PLM
DW1-07	White Joint Compound				ND	0	G/F	PSD	3	PLM
21,1-0,	Gray Drywall				ND	0	G/F	PSD	3	PLM
DW2-01	White Joint Compound	Walls and Ceilings	S/5	8,800 sf	ND	0	G/F	PSD	3	PLM

Sample #	Material	Location	Cat./# Samples	Qty.	Asbestos Type	%	Cond.	Pot. Dist.	Haz. Assess.	Test Method
	White Drywall	Throughout			ND	0	G/F	PSD	3	PLM
DW2-02	White Joint Compound	Additions			ND	0	G/F	PSD	3	PLM
	White Drywall				ND	0	G/F	PSD	3	PLM
DW2-03	White Joint Compound				ND	0	G/F	PSD	3	PLM
	White Drywall				ND	0	G/F	PSD	3	PLM
DW2-04	White Joint Compound				ND	0	G/F	PSD	3	PLM
2 2	White Drywall				ND	0	G/F	PSD	3	PLM
DW2-05	White Joint Compound				ND	0	G/F	PSD	3	PLM
	White Drywall				ND	0	G/F	PSD	3	PLM
VCB1- 01	Yellow Mastic	Janitorial Closet in			ND	0	G/NF	PSD	3	PLM
VCB1- 02	Yellow Mastic	Women's Restroom in	M/3	300 lf	ND	0	G/NF	PSD	3	PLM
VCB1- 03	Yellow Mastic	Public Lobby			ND	0	G/NF	PSD	3	TEM
VCB2- 01	Yellow Mastic	Women's	M/3	200 lf	ND	0	G/NF	PSD	3	PLM
VCB2- 02	Yellow Mastic	and Men's Restroom in			ND	0	G/NF	PSD	3	PLM
VCB2- 03	Yellow Mastic	Corridor C			ND	0	G/NF	PSD	3	TEM
E1 01	Pink Floor Tile	Women's Restroom in Public	M/3	M/3 800 sf	ND	0	G/NF	PSD	3	PLM
F1-01	Yellow Mastic				ND	0	G/NF	PSD	3	PLM
	Pink Floor Tile				ND	0	G/NF	PSD	3	PLM
F1-02	Yellow Mastic				ND	0	G/NF	PSD	3	PLM
	Pink Floor Tile	Lobby			ND	0	G/NF	PSD	3	TEM
F1-03	Yellow Mastic				ND	0	G/NF	PSD	3	TEM
	White Floor Tile		_		ND	0	G/NF	PSD	3	PLM
F2-01	Black Mastic	Corridor C,			Chrysotile	2	G/NF	PSD	3	PLM
	White Floor Tile	Records Room, and			-	-	-		-	-
F2-02	Black Mastic	Underneath	M/3	300 sf	-	-	-	_	-	-
	White Floor Tile	F4 in Both Breakrooms			_	-	-	_	-	_
F2-03	Black Mastic	Di cana coms			-	-	-	-	-	-
	Gray Sheet Flooring				ND	0	G/NF	PSD	3	PLM
F3-01	Yellow, White Mastic	Women's			ND	0	G/NF	PSD	3	PLM
	Gray Sheet Flooring	and Men's			ND	0	G/NF	PSD	3	PLM
F3-02	Yellow, White Mastic	Restrooms in Corridor	M/3	120 sf	ND	0	G/NF	PSD	3	PLM
	Gray Sheet Flooring	C			ND	0	G/NF	PSD	3	TEM
F3-03	Yellow, White Mastic				ND	0	G/NF	PSD	3	TEM
F4-01	Tan Sheet Flooring (tile)	Both Breakrooms	M/3	300 sf	ND	0	G/NF	PSD	3	PLM
	Brown Mastic	/ Black			ND	0	G/NF	PSD	3	PLM

Sample #	Material	Location	Cat./# Samples	Qty.	Asbestos Type	%	Cond.	Pot. Dist.	Haz. Assess.	Test Method	
F4-02	Tan Sheet Flooring (tile)	Mastic from F2 was			ND	0	G/NF	PSD	3	PLM	
	Brown Mastic	Identified Underneath			ND	0	G/NF	PSD	3	PLM	
F4-03	Tan Sheet Flooring (tile)	This Layer			ND	0	G/NF	PSD	3	TEM	
	Brown Mastic				ND	0	G/NF	PSD	3	TEM	
F. 0.1	Tan Floor Tile				ND	0	G/NF	PSD	3	PLM	
F5-01	Brown Mastic				ND	0	G/NF	PSD	3	PLM	
74.00	Tan Floor Tile	Women's Restroom on	3.4/0	1/3 250 sf	ND	0	G/NF	PSD	3	PLM	
F5-02	Brown Mastic	Left Side of	M/3		ND	0	G/NF	PSD	3	PLM	
	Tan Floor Tile	Lobby			ND	0	G/NF	PSD	3	PLM	
F5-03	Brown Mastic				ND	0	G/NF	PSD	3	PLM	
CM1-01	Yellow Carpet Mastic	Throughout Building			ND	0	G/NF	PSD	3	PLM	
CM1-02	Yellow Carpet Mastic			M/3	10,400 sf	ND	0	G/NF	PSD	3	PLM
CM1-03	Yellow Carpet Mastic					ND	0	G/NF	PSD	3	TEM
WC-01	White Window Caulking				ND	0	G/NF	PSD	3	PLM	
WC-02	White Window Caulking	Exterior Windows	M/3	400 lf	ND	0	G/NF	PSD	3	PLM	
WC-03	White Window Caulking				ND	0	G/NF	PSD	3	TEM	
CT1-01	White, Tan Ceiling Tile				ND	0	G/F	PSD	3	PLM	
CT1-02	White, Tan Ceiling Tile	Throughout Building	C K/1/3	/3 14,000 sf	ND	0	G/F	PSD	3	PLM	
CT1-03	White, Tan Ceiling Tile				ND	0	G/F	PSD	3	PLM	

Abbreviations and Hazard Assessment Key

Category and Sampling #'s

Miscellaneous (M) = 3 samples required

Surfacing (S) = <1,000 sf = 3 samples required; 1,000-5,000 sf = 5 samples; >5,000 sf = 7 samples

Thermal System Insulation (TSI) = < 6 sf = 1 sample required; > 6 sf = 3 samples

Present Condition

F = Friable

G = Good (very localized limited damage)

NF = Non-friable D = Damaged (Damage of less than 10% distributed and less than 25% localized)

SD = Significantly Damaged (Damage equal to or greater than 10% distributed/25% localized)

Significantly Damaged = 7

Potential for Future Disturbance

LPD = Low potential for disturbance (Contact, vibration, and air erosion all of low concern)

PD = Potential for damage (Contact, vibration, or air erosion of moderate concern)

PSD = Potential for significant damage (Contact, vibration, or air erosion of high concern)

Hazard Assessment - Present Condition Versus Potential for Future Disturbance

GoodLPD = 1 DamagedLPD = 4

PD = 2

PD = 5

PSD = 3 PSD = 6

Test Method

PLM = Polarized Light Microscopy

TEM = Transmission Electron Microscopy (required by SCDHEC for confirmation of negative results for non-friable organically bound materials)

-- = Sample not analyzed due to positive PLM results.

Misc.

sf = Square Feet lf = Linear Feet

ND = None Detected

EPA, SCDHEC, and OSHA define a material as asbestos containing if an asbestos content greater than 1% is detected.

Please understand that quantities are estimated and should not be used for bidding purposes. Field conditions should be verified prior to bidding.

Site location and sample locations are identified as Figures 1 thru 2 of Appendix 1 of this report, photographs are in Appendix 2, laboratory results are in Appendix 3, and license is in Appendix 4.

5.0 CONCLUSIONS

The EPA and SCDHEC define materials as asbestos containing if an asbestos content >1% is detected in a representative sample. **Asbestos >1** % was detected in the following materials sampled and analyzed for the Georgetown City Hall located at 120 North Fraser Street, in Georgetown, South Carolina:

- F2 Asbestos containing black mastic associated with non-asbestos white floor tile in Corridor C and adjoining records room – Approximately 300 sf
- F4 Asbestos containing black mastic underlying 2 layers of non-asbestos containing white floor tile/brown mastic/and tan floor tile. Located in Break Rooms 119 and 129 Approximately 300 sf.

No asbestos >1% was detected in the remaining samples collected and analyzed.

A copy of this report along with an application for abatement must be submitted to SCDHEC 4 working days prior to abatement and 10 working days prior to demolition. Additionally, a copy of this report should be provided to the contractors to assist with compliance with applicable State and Federal regulations.

The possibility exists that suspect materials were undetected in inaccessible areas such as areas deemed unsafe to enter, locked rooms, behind exterior veneer, pipe chases, below the wood roof decking, or wall voids. If additional suspect materials not included in this report are discovered during demolition, bulk samples should be collected and analyzed for asbestos content.

APPENDIX 1

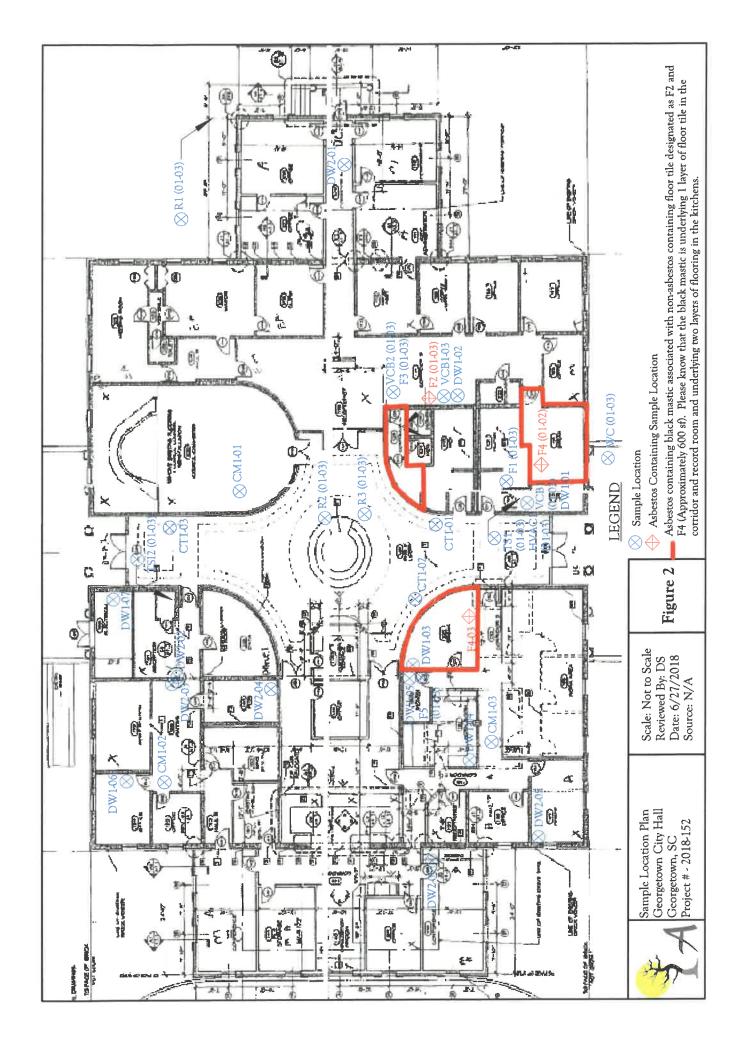
Site Location Plan and Sample Location Plan (Figures 1 thru 2)



Scale: Not to Scale Reviewed By: DS Date: 6/27/2018 Source: Google Earth

Site Location Plan Georgetown City Hall Georgetown, SC Project # - 2018-152





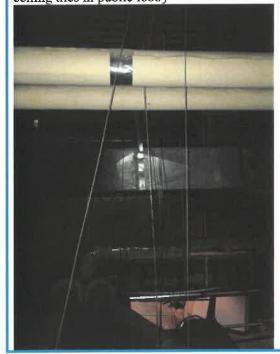
APPENDIX 2

Photographs

HVAC system and insulation piping above ceiling tiles in public lobby



HVAC system and insulation piping above ceiling tiles in public lobby



HVAC system and insulation piping above ceiling tiles in public lobby



HVAC system and insulation piping above ceiling tiles in public lobby



HVAC system and insulation piping above ceiling tiles in public lobby











Pipe insulation above ceiling tiles in public lobby

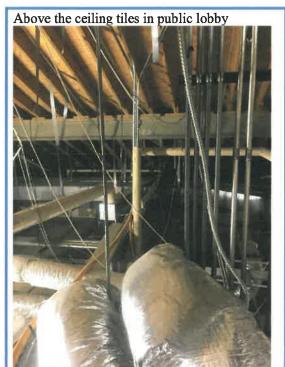


HVAC system above ceiling tiles in public lobby



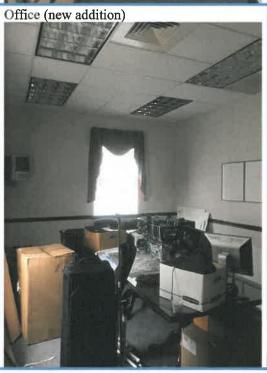
HVAC system above ceiling tiles in public lobby

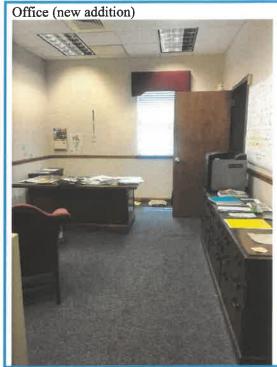








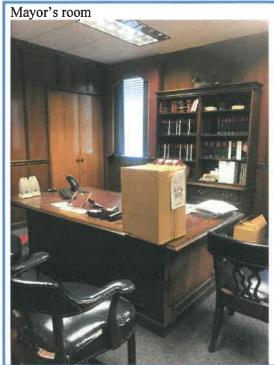










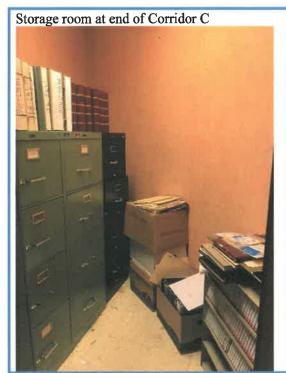




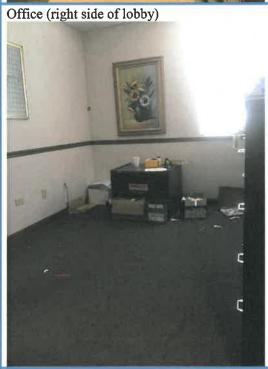














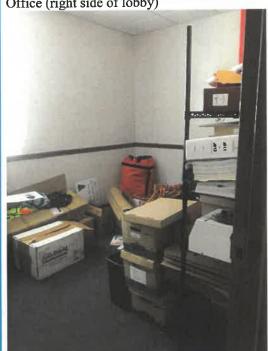
Breakroom with F4 over F2 on right side of lobby



Breakroom with F4 over F2 on right side of



Office (right side of lobby)



Public lobby



Public lobby backside



Public lobby front side



Women's restroom in public lobby



Janitorial closet in women's restroom in public lobby







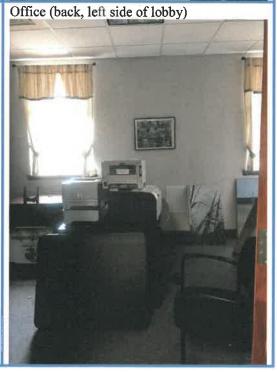


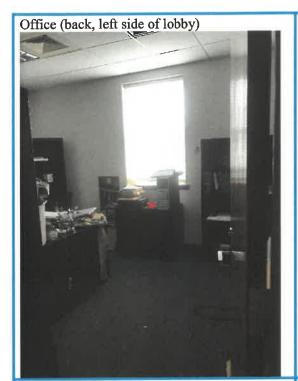


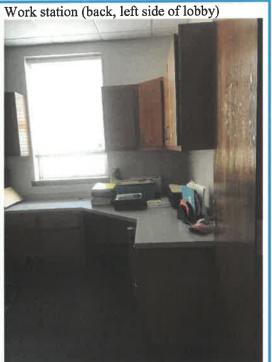














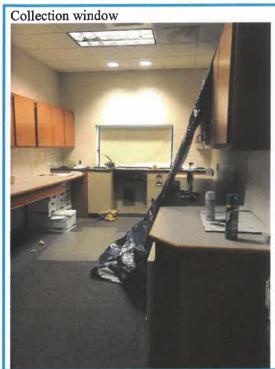








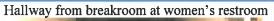














Work room near breakroom and women's restroom



Corridor D



Office (left side of lobby)







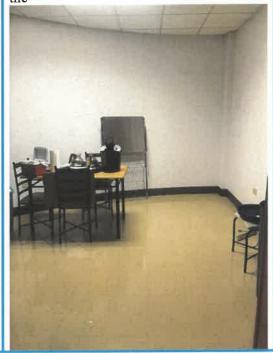
Office (left side of lobby)



Open work area



Breakroom with F4 floor tile over F2 floor



















APPENDIX 3

Asbestos Laboratory Results



June 22, 2018

Asbestos Inspections LLC 4686 Peedee Hwy Conway, SC 29527

CLIENT PROJECT:

Georgetown City Hall

CEI LAB CODE:

A18-6360

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 19, 2018. 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,

Tianbao Bai, Ph.D., CIH Laboratory Director

Mansas Di





ASBESTOS ANALYTICAL REPORT By: Polarized Light Microscopy

Prepared for

Asbestos Inspections LLC

CLIENT PROJECT: Georgetown City Hall

LAB CODE: A18-6360

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

REPORT DATE: 06/22/18

TOTAL SAMPLES ANALYZED: 47

SAMPLES >1% ASBESTOS: 1

TEL: 866-481-1412

www.ceilabs.com



By: POLARIZING LIGHT MICROSCOPY

PROJECT: Georgetown City Hall LAB CODE: A18-6360

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
TSI1-01		A33411	White	Pipe Wrap	None Detected
TSI1-02		A33412	White	Pipe Wrap	None Detected
TSI1-03		A33413	White	Pipe Wrap	None Detected
TSI2-01	Layer 1	A33414	White	Cloth Pipe Wrap	None Detected
	Layer 2	A33414	Gray	Insulation	None Detected
TSI2-02	Layer 1	A33415	White	Cloth Pipe Wrap	None Detected
	Layer 2	A33415	Gray	Insulation	None Detected
TSI2-03	Layer 1	A33416	White	Cloth Pipe Wrap	None Detected
	Layer 2	A33416	Gray	Insulation	None Detected
HVAC1-01	Layer 1	A33417	White	Mastic	None Detected
	Layer 2	A33417	Brown, Yellow	Insulation	None Detected
HVAC1-02	Layer 1	A33418	White	Mastic	None Detected
	Layer 2	A33418	Brown, Yellow	Insulation	None Detected
HVAC1-03	Layer 1	A33419		Sample Submitted for TEM Analysis	
	Layer 2	A33419	Brown, Yellow	Insulation	None Detected
R1-01	Layer 1	A33420A	Brown,Black	Shingle	None Detected
	Layer 2	A33420A	Black	Shingle	None Detected
		A33420B	Black,Black	Shingle	None Detected
		A33420C	White	Tarpaper	None Detected
R1-02	Layer 1	A33421A	Brown,Black	Shingle	None Detected
	Layer 2	A33421A	Black	Shingle	None Detected
		A33421B	Black,Black	Shingle	None Detected
		A33421C	White	Tarpaper	None Detected
R1-03		A33422		Sample Submitted for TEM Analysis	
R2-01		A33423	Black	Roof Tar	None Detected
R2-02		A33424	Black	Roof Tar	None Detected
R2-03		A33425		Sample Submitted for TEM Analysis	
R3-01	Layer 1	A33426	Silver	Paint	None Detected
	Layer 2	A33426	Black	Flashing	None Detected



By: POLARIZING LIGHT MICROSCOPY

PROJECT: Georgetown City Hall LAB CODE: A18-6360

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R3-02	Layer 1	A33427	Silver	Paint	None Detected
	Layer 2	A33427	Black	Flashing	None Detected
R3-03		A33428		Sample Submitted for TEM Analysis	
DW1-1	Layer 1	A33429	White	Joint Compound	None Detected
	Layer 2	A33429	Gray	Drywali	None Detected
DW1-2	Layer 1	A33430	White	Joint Compound	None Detected
	Layer 2	A33430	Gray	Drywall	None Detected
DW1-3	Layer 1	A33431	White	Joint Compound	None Detected
	Layer 2	A33431	Gray	Drywall	None Detected
DW1-4	Layer 1	A33432	White	Joint Compound	None Detected
	Layer 2	A33432	Gray	Drywali	None Detected
DW1-5	Layer 1	A33433	White	Joint Compound	None Detected
	Layer 2	A33433	Gray	Drywall	None Detected
DW1-6	Layer 1	A33434	White	Joint Compound	None Detected
	Layer 2	A33434	Gray	Drywall	None Detected
DW1-7	Layer 1	A33435	White	Joint Compound	None Detected
	Layer 2	A33435	Gray	Drywall	None Detected
DW2-1	Layer 1	A33436	White	Joint Compound	None Detected
	Layer 2	A33436	White	Drywali	None Detected
DW2-2	Layer 1	A33437	White	Joint Compound	None Detected
	Layer 2	A33437	White	Drywall	None Detected
DW2-3	Layer 1	A33438	White	Joint Compound	None Detected
	Layer 2	A33438	White	Drywall	None Detected
DW2-4	Layer 1	A33439	White	Joint Compound	None Detected
	Layer 2	A33439	White	Drywall	None Detected
DW2-5	Layer 1	A33440	White	Joint Compound	None Detected
	Layer 2	A33440	White	Drywall	None Detected
VCB1-01		A33441	Yellow	Mastic	None Detected
VCB1-02		A33442	Yellow	Mastic	None Detected
VCB1-03		A33443		Sample Submitted for TEM Analysis	



By: POLARIZING LIGHT MICROSCOPY

PROJECT: Georgetown City Hall

LAB CODE: A18-6360

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
VCB2-01		A33444	Yellow	Mastic	None Detected
VCB2-02		A33445	Yellow	Mastic	None Detected
VCB2-03		A33446		Sample Submitted for TEM Analysis	
F1-01		A33447A	Pink	Floor Tile	None Detected
		A33447B	Yellow	Mastic	None Detected
F1-02		A33448A	Pink	Floor Tile	None Detected
		A33448B	Yellow	Mastic	None Detected
F1-03		A33449		Sample Submitted for TEM Analysis	
F2-01		A33450A	White	Floor Tile	None Detected
		A33450B	Black	Mastic	Chrysotile 2%
F2-02		A33451		Sample Not Analyzed per COC	
F2-03		A33452		Sample Not Analyzed per COC	
F3-01	Layer 1	A33453	Gray	Sheet Flooring	None Detected
	Layer 2	A33453	Yellow,White	Mastic	None Detected
F3-02	Layer 1	A33454	Gray	Sheet Flooring	None Detected
_ ~	Layer 2	A33454	Yellow,White	Mastic	None Detected
F3-03		A33455		Sample Submitted for TEM Analysis	
F4-01		A33456A	Tan	Sheet Flooring (tile)	None Detected
		A33456B	Brown	Mastic	None Detected
F4-02		A33457A	Tan	Sheet Flooring (tile)	None Detected
		A33457B	Brown	Mastic	None Detected
F4-03		A33458		Sample Submitted for TEM Analysis	
F5-01		A33459A	Tan	Floor Tile	None Detected
		A33459B	Brown	Mastic	None Detected
F5-02		A33460A	Tan	Floor Tile	None Detected
		A33460B	Brown	Mastic	None Detected
F5-03		A33461		Sample Submitted for TEM Analysis	



By: POLARIZING LIGHT MICROSCOPY

PROJECT: Georgetown City Hall

LAB CODE: A18-6360

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
CM1-01		A33462	Yellow	Carpet Mastic	None Detected
CM1-02		A33463	Yellow	Carpet Mastic	None Detected
CM1-03		A33464		Sample Submitted for TEM Analysis	
WC-01		A33465	White	Window Caulking	None Detected
WC-02		A33466	White	Window Caulking	None Detected
WC-03		A33467		Sample Submitted for TEM Analysis	
CT1-01		A33468	White,Tan	Ceiling Tile	None Detected
CT1-02		A33469	White, Tan	Ceiling Tile	None Detected
CT1-03		A33470	White,Tan	Ceiling Tile	None Detected



By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 Lab Code: A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18 Date Reported: 06-22-18

Project: Georgetown City Hall

ACDICATOR DULL DUM EDA COO METUOD

Client ID Lab ID	Lab Description	Lab Attributes	NO! Fibr	N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
TSI1-01 A33411	Pipe Wrap	Heterogeneous White Fibrous Bound	20% 50%	Fiberglass Cellulose	30%	Metal Foil	None Detected
TSI1-02 A33412	Pipe Wrap	Heterogeneous White Fibrous Bound	20% 50%	Fiberglass Cellulose	30%	Metal Foil	None Detected
TSI1-03 A33413	Pipe Wrap	Heterogeneous White Fibrous Bound	20% 50%	Fiberglass Cellulose	30%	Metal Foil	None Detected
TSI2-01 Layer 1 A33414	Cloth Pipe Wrap	Heterogeneous White Fibrous Bound	20% 70%	Fiberglass Cellulose	10%	Metal Foil	None Detected
Layer 2 A33414	Insulation	Heterogeneous Gray Fibrous Bound	25%	Fiberglass	75%	Binder	None Detected
Lab Notes: I	No mastic present.						
TSI2-02 Layer 1 A33415	Cloth Pipe Wrap	Heterogeneous White Fibrous Bound	20% 70%	Fiberglass Cellulose	10%	Metal Foil	None Detected
Layer 2 A33415	Insulation No mastic present.	Heterogeneous Gray Fibrous Bound	25%	Fiberglass	75%	Binder	None Detected



By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

> 4686 Peedee Hwy Conway, SC 29527

Lab Code: A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18

Date Reported: 06-22-18

Project: Georgetown City Hall

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NO Fibr	N-ASBESTOS C ous		NENTS Fibrous	ASBESTOS % None Detected
TSI2-03 Cloth Pipe Wrap Layer 1 A33416	Cloth Pipe Wrap	Heterogeneous White Fibrous Bound	20% 70%	Fiberglass Cellulose	10%	Metal Foil	
Layer 2 A33416	Insulation	Heterogeneous Gray Fibrous Bound	25%	Fiberglass	75%	Binder	None Detected
Lab Notes: N	o mastic present.						
HVAC1-01 Layer 1 A33417	Mastic	Heterogeneous White Fibrous Bound	10%	Synthetic Fiber	75% 15%	Binder Calc Carb	None Detected
Layer 2 A33417	Insulation	Heterogeneous Brown,Yellow Fibrous Bound	65% 25%	Cellulose Fiberglass	10%	Metal Foil	None Detected
HVAC1-02 Layer 1 A33418	Mastic	Heterogeneous White Fibrous Bound	10%	Synthetic Fiber	75% 15%	Binder Calc Carb	None Detected
Layer 2 A33418	Insulation	Heterogeneous Brown,Yellow Fibrous Bound	65% 25%	Cellulose Fiberglass	10%	Metal Foil	None Detected
HVAC1-03	Sample Submitted for						

TEM Analysis Layer 1

A33419



By: POLARIZING LIGHT MICROSCOPY

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4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18 Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID	Lab	Lab	NO	N-ASBESTOS	COMPO	NENTS	ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
Layer 2 A33419	Insulation	Heterogeneous Brown,Yellow Fibrous Bound	65% 25%	Cellulose Fiberglass	10%	Metal Foil	None Detected
R1-01 Layer 1 A33420A	Shingle	Heterogeneous Brown,Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected
Layer 2 A33420A	Shingle	Heterogeneous Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected
A33420B	Shingle	Heterogeneous Black,Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected
433420C	Tarpaper	Heterogeneous White Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
R1-02 Layer 1 A33421A	Shingle	Heterogeneous Brown,Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected
Layer 2 A33421A	Shingle	Heterogeneous Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected



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4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18
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Client ID Lab ID	Lab Description	Lab Attributes	NOI Fibr	N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
A33421B Shingle	Shingle	Heterogeneous Black,Black Fibrous Bound	25%	Fiberglass	10% 45% 20%	Gravel Tar Silicates	None Detected
A33421C	Tarpaper	Heterogeneous White Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
R1-03 A33422	Sample Submitted for TEM Analysis						
R2-01 A33423	Roof Tar	Heterogeneous Black Non-fibrous Bound			25% 75%	Silicates Tar	None Detected
R2-02 A33424	Roof Tar	Heterogeneous Black Non-fibrous Bound			25% 75%	Silicates Tar	None Detected
R2-03 A33425	Sample Submitted for TEM Analysis						
R3-01 Layer 1 A33426	Paint	Heterogeneous Silver Fibrous Bound	5%	Cellulose	65% 30%	Paint Tar	None Detected
Layer 2 A33426	Flashing	Heterogeneous Black Fibrous Bound	20%	Cellulose	10% 70%	Silicates Tar	None Detected



By: POLARIZING LIGHT MICROSCOPY

Client: **Asbestos Inspections LLC**

4686 Peedee Hwy Conway, SC 29527 Lab Code:

A18-6360

Date Received: 06-19-18

Date Analyzed: 06-21-18 Date Reported: 06-22-18

Project: Georgetown City Hall

ACRESTOS DILLE DI M. EDA SOO METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NO! Fibr	N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
R3-02 Layer 1 A33427	Paint	Heterogeneous Silver Fibrous Bound	5%	Cellulose	65% 30%	Paint Tar	None Detected
Layer 2 A33427	Flashing	Heterogeneous Black Fibrous Bound	20%	Cellulose	10% 70%	Silicates Tar	None Detected
R3-03 A33428	Sample Submitted for TEM Analysis						
DW1-1 Layer 1 A33429	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33429	Drywall	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-2 Layer 1 A33430	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33430	Drywall	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-3 Layer 1 A33431	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected



By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18
Date Analyzed: 06-21-18
Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID Lab ID	Lab Description	Lab Attributes		N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
Layer 2 A33431	•	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-4 Layer 1 A33432	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33432	Drywall	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-5 Layer 1 A33433	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33433	Drywall	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW1-6 Layer 1 A33434	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33434	Drywall	Heterogeneous Gray Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected



By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18 Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID	Lab	Lab		N-ASBESTOS	NENTS	ASBESTOS	
Lab ID	Description	Attributes	Fibr	ous	Non-l	ibrous	%
DW1-7 Joint Compound _ayer 1	Heterogeneous White Fibrous	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected	
A33435		Bound			35%	Dilider	
Layer 2	Drywall	Heterogeneous	20%	Cellulose	80%	Gypsum	None Detected
A33435		Gray					
		Fibrous Bound					
DW2-1	Joint Compound	Heterogeneous	10%	Cellulose	10%	Paint	None Detected
Layer 1		White			45%	Calc Carb	
A33436		Fibrous Bound			35%	Binder	
Layer 2	Drywali	Heterogeneous	20%	Cellulose	80%	Gypsum	None Detected
A33436		White					
		Fibrous Bound					
D)410 0	laint Company		10%	Cellulose	10%	Paint	None Detected
DW2-2 Layer 1	Joint Compound	Heterogeneous White	1070	Cellulose	45%	Calc Carb	None Detected
A33437		Fibrous			35%	Binder	
700407		Bound	T. 2				
Layer 2	Drywall	Heterogeneous	20%	Cellulose	80%	Gypsum	None Detected
A33437		White					
		Fibrous					
		Bound					
DW2-3	Joint Compound	Heterogeneous	10%	Cellulose	10%	Paint	None Detected
Layer 1		White			45%	Calc Carb	
A33438		Fibrous Bound			35%	Binder	



Lab Code:

By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Date Received: 06-19-18 Conway, SC 29527 Date Analyzed: 06-21-18

Date Reported: 06-22-18

A18-6360

Project: Georgetown City Hall

Client ID	Lab	Lab	NO	N-ASBESTOS	COMPO	NENTS	ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-l	Fibrous	%
Layer 2 A33438	Drywall	Heterogeneous White Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW2-4 Layer 1 A33439	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33439	Drywall	Heterogeneous White Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
DW2-5 Layer 1 A33440	Joint Compound	Heterogeneous White Fibrous Bound	10%	Cellulose	10% 45% 35%	Paint Calc Carb Binder	None Detected
Layer 2 A33440	Drywall	Heterogeneous White Fibrous Bound	20%	Cellulose	80%	Gypsum	None Detected
VCB1-01 A33441	Mastic	Heterogeneous Yellow Non-fibrous Bound	3%	Cellulose	10% 87%	Binder Mastic	None Detected
VCB1-02 A33442	Mastic	Heterogeneous Yellow Non-fibrous Bound	3%	Cellulose	10% 87%	Binder Mastic	None Detected
VCB1-03 A33443	Sample Submitted for TEM Analysis						



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4686 Peedee Hwy Conway, SC 29527 Lab Code: A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18 Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID Lab ID	Lab Description	Lab NON-ASBESTOS (Attributes Fibrous				NENTS ibrous	ASBESTOS %
VCB2-01 A33444	Mastic	Heterogeneous Yellow Non-fibrous Bound	3%	Cellulose	10% 87%	Binder Mastic	None Detected
VCB2-02 A33445	Mastic	Heterogeneous Yellow Non-fibrous Bound	3%	Cellulose	10% 87%	Binder Mastic	None Detected
VCB2-03 A33446	Sample Submitted for TEM Analysis						
F1-01 A33447A	Floor Tile	Homogeneous Pink Non-fibrous Bound			100%	Vinyl	None Detected
A33447B	Mastic	Homogeneous Yellow Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
F1-02 A33448A	Floor Tile	Homogeneous Pink Non-fibrous Bound			100%	Vinyl	None Detected
A33448B	Mastic	Homogeneous Yellow Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
F1-03 A33449	Sample Submitted for TEM Analysis						



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4686 Peedee Hwy Conway, SC 29527 Lab Code: A18-6360

Date Received: 06-19-18 Date Analyzed: 06-21-18

Date Reported: 06-22-18

Project: Georgetown City Hall

ASBESTOS BUI K PI M EPA 600 METHOD

Client ID	Lab	Lab	NENTS	ASBESTOS			
Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
F2-01 A33450A	Floor Tile	Homogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
A33450B	Mastic	Homogeneous Black Non-fibrous Bound			98%	Mastic	2% Chrysotile
F2-02 A33451	Sample Not Analyzed per COC						
F2-03 A33452	Sample Not Analyzed per COC						
F3-01 Layer 1 A33453	Sheet Flooring	Heterogeneous Gray Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
Layer 2 A33453	Mastic	Heterogeneous Yellow,White Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
F3-02 Layer 1 A33454	Sheet Flooring	Heterogeneous Gray Fibrous Bound	25%	Cellulose	50% 25%	Vinyl Binder	None Detected
Layer 2 A33454	Mastic	Heterogeneous Yellow,White Fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
F3-03 A33455	Sample Submitted for TEM Analysis						



By: POLARIZING LIGHT MICROSCOPY

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4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18 **Date Analyzed:** 06-21-18

Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID	Lab	Lab		NON-ASBESTOS COMPONENTS Fibrous Non-Fibrous			
Lab ID	Description	Attributes	Fibrous	Non-F	ibrous	%	
F4-01 A33456A	Sheet Flooring (tile)	Homogeneous Tan Non-fibrous Bound		100%	Vinyl	None Detected	
A33456B	Mastic	Homogeneous Brown Non-fibrous Bound		5% 95%	Binder Mastic	None Detected	
F4-02 A33457A	Sheet Flooring (tile)	Homogeneous Tan Non-fibrous Bound		100%	Vinyl	None Detected	
A33457B	Mastic	Homogeneous Brown Non-fibrous Bound		5% 95%	Binder Mastic	None Detected	
F4-03 A33458	Sample Submitted for TEM Analysis						
F5-01 A33459A	Floor Tile	Homogeneous Tan Non-fibrous Bound		100%	Vinyl	None Detected	
A33459B	Mastic	Homogeneous Brown Non-fibrous Bound		5% 95%	Binder Mastic	None Detected	
F5-02 A33460A	Floor Tile	Homogeneous Tan Non-fibrous Bound		100%	Vinyl	None Detected	



By: POLARIZING LIGHT MICROSCOPY

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Description Mastic	Attributes Homogeneous Brown	Fibr	ous		ibrous	%
Mastic						
	Non-fibrous Bound			5% 95%	Binder Mastic	None Detected
Sample Submitted for TEM Analysis						
Carpet Mastic	Heterogeneous Yellow Fibrous Loose	5%	Synthetic Fiber	95%	Mastic	None Detected
Carpet Mastic	Heterogeneous Yellow Fibrous Loose	5%	Synthetic Fiber	95%	Mastic	None Detected
Sample Submitted for TEM Analysis						
Window Caulking	Heterogeneous White Non-fibrous Bound			25% 75%	Calc Carb Binder	None Detected
Window Caulking	Heterogeneous White Non-fibrous Bound			25% 75%	Calc Carb Binder	None Detected
Sample Submitted for TEM Analysis						
Ceiling Tile	Heterogeneous White,Tan Fibrous Bound	25% 25%	Cellulose Fiberglass	5% 25% 20%	Paint Perlite Binder	None Detected
	TEM Analysis Window Caulking Window Caulking Sample Submitted for TEM Analysis	Sample Submitted for TEM Analysis Window Caulking Heterogeneous White Non-fibrous Bound Window Caulking Heterogeneous White Non-fibrous Bound Sample Submitted for TEM Analysis Ceiling Tile Heterogeneous White, Tan Fibrous	Sample Submitted for TEM Analysis Window Caulking Heterogeneous White Non-fibrous Bound Window Caulking Heterogeneous White Non-fibrous Bound Sample Submitted for TEM Analysis Ceiling Tile Heterogeneous 25% White, Tan 25% Fibrous	Sample Submitted for TEM Analysis Window Caulking Heterogeneous White Non-fibrous Bound Window Caulking Heterogeneous White Non-fibrous Bound Sample Submitted for TEM Analysis Ceiling Tile Heterogeneous 25% Cellulose White, Tan 25% Fiberglass Fibrous	Sample Submitted for TEM Analysis Window Caulking Heterogeneous White Non-fibrous Bound Window Caulking Heterogeneous White 75% Non-fibrous Bound Sample Submitted for TEM Analysis Ceiling Tile Heterogeneous 25% Cellulose 5% White, Tan 25% Fiberglass 25% Fibrous	Sample Submitted for TEM Analysis Window Caulking Heterogeneous White Non-fibrous Bound Window Caulking Heterogeneous Vinite Non-fibrous Bound Window Caulking Heterogeneous Vinite Non-fibrous Bound Sample Submitted for TEM Analysis Ceiling Tile Heterogeneous 25% Cellulose 5% Paint White, Tan 25% Fiberglass 25% Perlite Fibrous 20% Binder



By: POLARIZING LIGHT MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 **Lab Code:** A18-6360

Date Received: 06-19-18 **Date Analyzed:** 06-21-18

Date Reported: 06-22-18

Project: Georgetown City Hall

Client ID Lab ID	Lab Description	Lab Attributes				NENTS Fibrous	ASBESTOS %
CT1-02 A33469	Ceiling Tile	Heterogeneous White,Tan Fibrous Bound	25% 25%	Cellulose Fiberglass	5% 25% 20%	Paint Perlite Binder	None Detected
CT1-03 A33470	Ceiling Tile	Heterogeneous White,Tan Fibrous Bound	25% 25%	Cellulose Fiberglass	5% 25% 20%	Paint Perlite Binder	None Detected



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

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

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. Estimated measurement of uncertainty is available on request.

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ANAL VCT

APPROVED BY:

Laboratory Director



730 SE Maynard Road, Cary, NC 27511 Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	(in)
CEI Lab Code: A18-103110	(40)
CEI Lab I.D. Range: 12211	A221711

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Dawn Schoolcraft
Company: Asbestos Inspections, LLC	Email / Tel: dschoolcraft1978@gmail.com
Address: 4686 Pee Dee Hwy., Conway, SC 29527	Project Name: Georgetown City Hall
	Project ID#:
Email: dschoolcraft1978@gmail.com	PO #:
Tel: 843-995-5197 Fax:	STATE SAMPLES COLLECTED IN: SC

IF	TAT IS NOT MARKE	D STAND	ARD 3 DA				No.
					OUND TIME		
ASBESTOS	METHOD	4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PLM BULK	CARB 435						
PCM AIR	NIOSH 7400						
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR	ISO 10312						
TEM AIR	ASTM 6281-09						
TEM BULK	CHATFIELD						
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							
REMARKS / SPECIAL IN following negative PLM.			. Analyze	TEM	<u> </u>	ccept Sample	
Relinquished By:	Date/Time	int L	Receiv	ved By:		Date/Time	
Dawn Schoolcraft	6/18/18 - 5:35	om		67	10/19/18	9:20	
					-1.		

Samples will be disposed of 30 days after analysis

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COMPANY CONTACT INFORMATION	
Company: Asbestos Inspections, LLC	Job Contact: Dawn Schoolcraft
Project Name: Georgetown City Hall	
Project ID #:	Tel: 843-995-5197

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA		TEST
TSI1 (01-03)	Pipe Wrap		PLM PLM	TEM
TSI2 (01-03)	Cloth Pipe Wrap/Mastic		PLM	TEM ME
HVAC1 (01-03)	HVAC Mastic		PLM	TEM
R1 (01-03)	Brown Shingle/Black Shingle/Tarpaper/		PLM PLM	TEM
	Shiny Shingle		PLM	TEM
R2 (01-03)	Roof Tar		PLM	TEM
R3 (01-03)	Roof Flashing		PLM	TEM
DW1 (01-07)	Gray Drywall/Joint Compound		PLM METERS	TEM
DW2 (01-05)	White Drywall/Joint Compound		PLM METERS	TEM
VCB1 (01-03)	Vinyl cove base mastic only		PLM I	TEM
VCB2 (01-03)	Vinyl cove base mastic only		PLM	TEM ESS
F1 (01-03)	Pink Floor Tile/Mastic		PLM	TEM MEN
F2 (01-03)	Tan Floor Tile/Black Mastic		PLM	TEM MESS
F3 (01-03)	Green Sheet Floor		PLM	TEM MESS
F4 (01-03)	Speckle Tan Sheet Floor		PLM	TEM
F5 (01-03)	Dark Tan Floor Tile/Brown Mastic		PLM	TEM ESSE
CM1 (01-03)	Tan Carpet Mastic		PLM	TEM
WC (01-03)	Window Caulk		PLM	TEM MENT
CTI (01-03)			PLM	TEM
			PLM	TEM

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Courtney Dabili

From:

Courtney Dabill

Sent:

Tuesday, June 19, 2018 12:02 PM

To:

'Dawn Schoolcraft'

Subject:

City Hall

Hi Dawn,

We received the Georgetown City Hall project today, and there are a few extra samples: CT1 (01-03). We will add them to the COC to be analyzed according to the rest of the project, unless we hear otherwise.

Also, we received the COC for 3030 E Hwy. 76, but no samples- was this for the project already completed, and sent by mistake?

If you could get back to me whenever you get a moment.

Thanks,

Courtney Dabill
Laboratory Manager, Sample Receiving

Eurofins CEI 730 SE Maynard Road Cary, NC 27511 Office: 919-481-1413 June 26, 2018

Asbestos Inspections LLC 4686 Peedee Hwy Conway, SC 29527

CLIENT PROJECT: Georgetown City Hall

LAB CODE: T18-1368

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on June 22, 2018. 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,

Tianbao Bai, Ph.D., CIH Laboratory Director



ASBESTOS ANALYTICAL REPORT By: Transmission Electron Microscopy

Prepared for

Asbestos Inspections LLC

CLIENT PROJECT: Georgetown City Hall

LAB CODE:

T18-1368

TEST METHOD:

Bulk Chatfield

EPA 600 / R93 / 116

REPORT DATE:

06/26/18

TEL: 866-481-1412

www.ceilabs.com



By: TRANSMISSION ELECTRON MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 Lab Code:

T18-1368

Date Received: Date Analyzed:

06-22-18 06-26-18

Date Reported:

06-26-18

Project: Georgetown City Hall

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 %
HVAC1-03 T80303	White Mastic	0.408	52	2.5	45.5	None Detected
R1-03 T80304	Brown, Black Shingle	0.527	20.1	39.5	40.4	None Detected
R1-03 T80305	Black Shingle	0.421	39.7	26.1	34.2	None Detected
R1-03 T80306	Black, White Shingle	0.552	20.1	34.1	45.8	None Detected
R1-03 T80307	Black Tarpaper	0.832	96.5	2.2	1.3	None Detected
R2-03 T80308	Black Roof Tar	0.482	89.4	10.2	.4	None Detected
R3-03 T80309	Silver Paint	0.137	64.2	5.1	30.7	None Detected
R3-03 T80310	Black Flashing	0.377	68.2	5	26.8	None Detected
VCB1-03 T80311	Yellow Mastic	0.27	45.6	2.2	52.2	None Detected
VCB2-03 T80312	Yellow Mastic	0.396	45.5	3.3	51.2	None Detected
F1-03 T80313	Pink Floor Tile	0.439	15.5	83.4	1.1	None Detected
F1-03 T80314	Yellow Mastic	0.199	39.2	42.7	18.1	None Detected



By: TRANSMISSION ELECTRON MICROSCOPY

Client: Asbestos Inspections LLC

4686 Peedee Hwy Conway, SC 29527 Lab Code:

T18-1368

Date Received: Date Analyzed:

06-22-18 06-26-18

Date Reported:

06-26-18

Project: Georgetown City Hall

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 %
F3-03 T80315	Gary Sheet Flooring	0.428	58.4	41.4	.2	None Detected
F3-03 T80316	Yellow, White Mastic	0.357	28.6	43.4	28	None Detected
F4-03 T80317	Tan Sheet Flooring (Tile)	0.35	14.6	84	1.4	None Detected
F4-03 T80318	Brown Mastic	0.179	60.9	11.7	27.4	None Detected
F5-03 T80319	Tan Floor Tile	0.52	14.2	84.4	1.4	None Detected
F5-03 T80320	Brown Mastic	0.217	37.8	41	21.2	None Detected
CM1-03 T80321	Yellow Carpet Mastic	0.321	39.6	14	46.4	None Detected
WC-03 T80322	White Window Caulking	0.241	36.9	58.1	5	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 Eurofins CEI. Eurofins CEI 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. Estimated measurement of uncertainty is available on request. Samples were received in acceptable condition unless otherwise noted.

ANALYST:

Tianbao Bai, Ph.D., CIH

Laboratory Director



T18-1368 T80303-322

ASBESTOS CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511 Tel: 866-481-1412; Fax: 919-481-1442



LAB USE ONLY:	(40)
CEI Lab Code: A18-10311	(40)
CEI Lab LD. Range: A-32411	4221711
11 (727111-	11-7:79 10

COMPANY INFORMATION			PROJEC	TINFORM	IATION		世首 神人
CEI CLIENT #:			Job Contac	ct: Dawn S	choolcraft		
Company: Asbestos Inspection	ons, LLC		Email / Tel	: dschoolc	raft1978@g	mail.com	
Address: 4686 Pee Dee Hwy.					etown City I		
Address. 1000 F oo Doo May.	, 00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Project ID#		,		
				r	_		
Email: dschoolcraft1978@gma	ail.com		PO #:				
Tel: 843-995-5197	Fax:		STATE SA	MPLES C	OLLECTED	IN: SC	
IF	TAT IS NOT MARKE	D STAND	ARD 3 DA	Y TAT AP	PLIES.		
					OUND TIM	E	
ASBESTOS	METHOD	4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						
PLM POINT COUNT (400)	EPA 600	\$ D 3					
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV W POINT COUNT	EPA 600			Ü			
PLM BULK	CARB 435						
PCM AIR.	NIOSH 7400			To the state of		. 🗆	
TEM AIR	EPA AHERA						
TEM AIR	NIOSH 7402						
TEM AIR	ISO 10312						
TEM AIR	ASTM 6281-09						
TEM BULK	CHATFIELD						
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							
REMARKS / SPECIAL IN following negative PLM.			. Analyze	TEM	<u> </u>	Accept Sample	
Relinquished By:	Date/Time		Receiv	red By:		Date/Time	
Dawn Schoolcraft	6/18/18 - 5:35	pm	140001	()	. 1 1,		

Samples will be disposed of 30 days after analysis

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SAMPLING FORM

T18-1368

COMPANY CONTACT INFORMATION	
Company: Asbestos Inspections, LLC	Job Contact: Dawn Schoolcraft
Project Name: Georgetown City Hall	
Project ID #:	Tel: 843-995-5197

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/		TEST
TSI1 (01-03)	Pipe Wrap	U. C.	PLM	TEM
TSI2 (01-03)	Cloth Pipe Wrap/Mastic		PLM	TEM TEM
HVAC1 (01-03)	HVAC Mastic		PLM PLM	TEM
R1 (01-03)	Brown Shingle/Black Shingle/Tarpaper/		PLM	TEM
KT (01-00)	Shiny Shingle	1	PLM -	TEM [
R2 (01-03)	Roof Tar		PLM PLM	TEM TEM
R3 (01-03)	Roof Flashing	1	PLM PLM	TEM
DW1 (01-07)	Gray Drywall/Joint Compound		PLM PLM	TEM
DW2 (01-05)	White Drywall/Joint Compound	1	PLM PLM	TEM
VCB1 (01-03)	Vinyl cove base mastic only		PLM PLM	TEM
VCB2 (01-03)	Vinyl cove base mastic only		PLM I	TEM
F1 (01-03)	Pink Floor Tile/Mastic		PLM	TEM TEM
F2 (01-03)	Tan Floor Tile/Black Mastic		PLM PLM	TEM TEM
F3 (01-03)	Green Sheet Floor		PLM PLM	TEM LES
F4 (01-03)	Speckle Tan Sheet Floor		PLM PLM	TEM TEM
F5 (01-03)	Dark Tan Floor Tile/Brown Mastic		PLM E	TEM TEM
CM1 (01-03)	Tan Carpet Mastic	1	PLM PLM	TEM
WC (01-03)	Window Caulk		PLM PLM	TEM
CD (01-03)	VVIIIdow Ozdik		PLM 🗀	TEM T
011 (01-03)			PLM [TEM T
			PLM	TEM T
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APPENDIX 4

License

SCDHEC ISSUED Asbestos ID Card

Dawn Schoolcraft



	CONSULTBI	BI-00738	0
7	CONSULTMP	MP-00245	0
E	AIRSAMPLER	AS-00418	0
11	CONSULTPD	PD-00157	0
4			

Expiration Date: 01/12/19 03/23/18 06/22/18 06/22/18