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April 29, 2020

Mr. Chris Kingsbury  
**Atlas Technical Consultants**  
DeKalb SPLOST PM  
Legacy MA Project Number - 18DEK000  
2450 Commerce Ave., Suite 100  
Duluth, GA 30096-8910

**Subject: Asbestos Sampling Roof Sampling Report  
DeKalb County Fire Station #18  
4588 Barclay Drive  
Atlanta, Georgia 30338  
Legacy MA Project Number 18DEK000, WA#10  
ATC Project Number: 127MA20002**

Dear Mr. Kingsbury:

ATC was retained by Atlas Technical Consultants, to perform sampling of the roofing systems which are scheduled for replacement at the DeKalb County Fire House #18 (Site) located at 4588 Barclay Drive, in Atlanta, Georgia. This investigation included a visual inspection and physical survey to identify suspect asbestos-containing materials (ACMs) that could be impacted during the re-roofing efforts.

#### **Site Description**

The DeKalb County Fire Station #18 (Site) consists of three different roofing systems, ATC's scope of work for this survey focused on each roof system observed as a distinct homogeneous area for the purposes of sampling.

#### **ACM Survey**

The collection of bulk samples was conducted in general accordance with procedures outlined in the Asbestos Hazard Emergency Response Act (40 CFR 763.86) and the U.S. Environmental Protection Agency (EPA) guidance document entitled Guidance for Controlling Asbestos-Containing Materials in Buildings (Document No. 560/5-85/024). The survey was conducted on April 22, 2020 by Mr. Tony Davis, an EPA-accredited Asbestos Building Inspector.

ATC collected sixteen (16) bulk samples of suspect ACMs from the roofing systems and thirty-two (32) samples were analyzed by Polarized Light Microscopy (PLM) based on the distinct number of layers (materials) associated with each bulk sample. For example, roof fields and insulations are collected as one bulk sample but are analyzed as individual samples (layers) within the matrix of the sample materials by the asbestos laboratory, as required by the Occupational Safety and Health Administration (OSHA). The Bulk samples of identified suspect ACM were collected and placed into individual containers for transport to EMSL Analytical, Inc. (EMSL) in Smyrna, Georgia for analysis.

DeKalb County Fire Station #18  
4588 Barclay Drive, Atlanta, GA  
April 29, 2020

EMSL is accredited by the National Institute of Standards and Technology (NIST) National Voluntary Accreditation Program (NVLAP) for laboratories analyzing bulk materials by polarized light microscopy (accreditation #101048-1) and utilizes approved polarized light microscopy with dispersion staining (PLM/DS) methods. The PLM/DS analytical method is modeled after U.S. EPA Publication EPA/600/R-93/116: Test Method for the Determination of Asbestos in Bulk Materials, July 1993. If a material is identified as containing greater than one percent (>1.0%) asbestos, it is considered to be an ACM. The complete asbestos laboratory report, dated April 30, 2020, is attached.

Laboratory analysis of the bulk samples collected from DeKalb County Fire Station #18 **did not** indicate that asbestos is present in quantities of 1% or greater in any of the materials sampled.

**These materials are not regulated by State and Federal regulations and may be removed and disposed of as construction debris.**

These materials are regulated by State and Federal regulations and should be removed by a licensed asbestos abatement contractor and disposed of as asbestos containing materials.

Any concealed building materials discovered during maintenance, renovation, or demolition activities which are suspected to contain asbestos, should be sampled and analyzed to confirm the presence of asbestos prior to disturbing.

A building owner is required under OSHA regulation to communicate information regarding the location of ACM to outside contractors, tenants and employees who occupy areas containing ACM. Subcontractors and employees working within the structures at the site should be made aware of the locations of the ACM and the possibility of concealed ACM that could be found during renovation/demolition activities in accordance with the rules and regulations of the Georgia Environmental Protection Division (GEPD).

The following recommendations should be followed for demolition projects including contracting the services of an environmental consultant to monitor/document that the demolition contractor activities comply with the GEPD, OSHA, EPA, and NESHAP requirements.

Written notification is required by state and local regulations prior to beginning any renovation or demolition work. Send written notification, as required by the USEPA NESHAP Asbestos Regulations (40 CFR 61. Sub part m.), to the designated regional Asbestos NESHAP notification office at least 10 working days prior to beginning any renovation or demolition work. Send notification to the following address:

Department of Natural Resources Environmental Protection Division Asbestos Licensing and Certification  
4244 International Parkway, Suite 104  
Atlanta, Georgia 30354  
(404) 363-7026

There may be additional suspect asbestos containing materials in inaccessible or concealed spaces. These spaces include, but are not limited to, pipe chases, spaces between wall/ceiling cavities, underneath carpeting, interior of mechanical components such as boiler cavities, interior ducts, etc. All such unidentified materials should be treated as Presumed Asbestos Containing Material (PACM) in accordance with 29 CFR 1926.1101 and 1910.1001.

DeKalb County Fire Station #18  
4588 Barclay Drive, Atlanta, GA  
April 29, 2020

## Limitations

This report is not to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Project Design document or an Abatement Work plan.

Our professional services have been performed, our findings obtained, and our conclusions prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is certified to Atlas Technical Consultants. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

Attached are copies of the Laboratory Analysis Report and the corresponding chain of custody. Please feel free to contact the undersigned should you have any questions or require additional information.

Sincerely,

**ATC Group Services, LLC.**



Tony Davis  
Senior Project Hygienist  
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Email: [tony.davis@atcgs.com](mailto:tony.davis@atcgs.com)



Darryl Watson, Esq., CIH, CSP, JD  
Industrial Hygiene Manager  
Direct +1 770.702.6569  
Email: [darryl.watson@atcgs.com](mailto:darryl.watson@atcgs.com)

Attachments: Table 1 – Summary of Analytical Results  
Laboratory Analysis Report  
Chain-of-Custody Form  
Licenses/Certifications

**Table 1  
Asbestos Roof Bulk Sample Summary  
DeKalb County Fire House #18  
4588 Barclay Drive  
Atlanta, Georgia**

<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Approximate Quantity</b>	<b>*EPA Category</b>	<b>Asbestos Content</b>
S18-0422-01A	Roof Field	Lower Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S18-0422-01B	Roof Field	Lower Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S18-0422-02A	Flashing Material	Lower Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-02B	Flashing Material	Lower Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-02C	Flashing Material	Lower Roof - West	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-03A	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	NAD
S18-0422-03B	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	NAD
S18-0422-03C	Penetration Mastic, Black	Lower Roof – Vent	NA	NA	NAD
S18-0422-04A	Roof Field	Upper Roof - West	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-04B	Roof Field	Upper Roof - East	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S18-0422-05A	Flashing Material	Upper Roof - West	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-05B	Flashing Material	Upper Roof - East	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-05C	Flashing Material	Upper Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD
S18-0422-06A	Penetration Mastic, Black	Upper Roof - Vent	NA	NA	NAD
S18-0422-06B	Penetration Mastic, Black	Upper Roof - Vent	NA	NA	NAD

DeKalb County Fire Station #18  
4588 Barclay Drive, Atlanta, GA  
April 29, 2020

**Table 1**  
**Asbestos Roof Bulk Sample Summary**  
**DeKalb County Fire House #18**  
**4588 Barclay Drive**  
**Atlanta, Georgia**

<b>Sample Number</b>	<b>Material Description</b>	<b>Sample Location</b>	<b>Approximate Quantity</b>	<b>*EPA Category</b>	<b>Asbestos Content</b>
S18-0422-06C	Penetration Mastic, Black	Upper Roof - Vent	NA	NA	NAD

NA = Not Applicable, NAD = No Asbestos Detected



# EMSL Analytical, Inc.

2205 Corporate Plaza Parkway SE, Suite 200 Smyrna, GA 30080

Tel/Fax: (770) 956-9150 / (770) 956-9181

<http://www.EMSL.com> / [atlantalab@emsl.com](mailto:atlantalab@emsl.com)

EMSL Order: 072003017

Customer ID: ATEC51

Customer PO:

Project ID:

**Attention:** Tony Davis  
ATC Group Services LLC  
9874 Main Street, Suite 100  
Woodstock, GA 30188

**Phone:** (770) 906-3780

**Fax:** (770) 926-5383

**Received Date:** 04/24/2020 11:25 AM

**Analysis Date:** 04/30/2020 - 05/01/2020

**Collected Date:** 04/22/2020

**Project:** DeKalb Co. Roofs/Station #18

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
S18-0422-01A-Roofing 1  072003017-0001	Roof Core/Lower Roof-S	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01A-Roofing 2  072003017-0001A	Roof Core/Lower Roof-S	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01A-Roofing 3  072003017-0001B	Roof Core/Lower Roof-S	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01A-Roofing 4  072003017-0001C	Roof Core/Lower Roof-S	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01B-Roofing 1  072003017-0002	Roof Core/Lower Roof-N	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01B-Roofing 2  072003017-0002A	Roof Core/Lower Roof-N	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01B-Roofing 3  072003017-0002B	Roof Core/Lower Roof-N	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-01B-Roofing 4  072003017-0002C	Roof Core/Lower Roof-N	Black Non-Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 1		
S18-0422-02A-Roofing 1  072003017-0003	Flashing Material/Lower Roof-South	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 2		
S18-0422-02A-Roofing 2  072003017-0003A	Flashing Material/Lower Roof-South	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 2		

Initial report from: 05/01/2020 10:05:35



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<http://www.EMSL.com> / [atlantab@emsl.com](mailto:atlantab@emsl.com)

**EMSL Order:** 072003017  
**Customer ID:** ATEC51  
**Customer PO:**  
**Project ID:**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
S18-0422-02B-Roofing 1  072003017-0004	Flashing Material/Lower Roof-North	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 2					
S18-0422-02B-Roofing 2  072003017-0004A	Flashing Material/Lower Roof-North	Black Non-Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA: 2					
S18-0422-02C-Roofing 1  072003017-0005	Flashing Material/Lower Roof-West	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 2					
S18-0422-02C-Roofing 2  072003017-0005A	Flashing Material/Lower Roof-West	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA: 2					
S18-0422-03A  072003017-0006	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
HA: 3					
S18-0422-03B  072003017-0007	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
HA: 3					
S18-0422-03C  072003017-0008	Penetration Mastic, Black/Lower Roof-Vent	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
HA: 3					
S18-0422-04A-Roofing 1  072003017-0009	Roof Core/Upper Roof-West	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
HA: 4					
S18-0422-04A-Roofing 2  072003017-0009A	Roof Core/Upper Roof-West	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA: 4					
S18-0422-04B-Roofing 1  072003017-0010	Roof Core/Upper Roof-East	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
HA: 4					
S18-0422-04B-Roofing 2  072003017-0010A	Roof Core/Upper Roof-East	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 4					
S18-0422-04B-Roofing 3  072003017-0010B	Roof Core/Upper Roof-East	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 4					

Initial report from: 05/01/2020 10:05:35



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<http://www.EMSL.com> / [atlantalab@emsl.com](mailto:atlantalab@emsl.com)

**EMSL Order:** 072003017  
**Customer ID:** ATEC51  
**Customer PO:**  
**Project ID:**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
S18-0422-04B-Roofing 4  072003017-0010C	Roof Core/Upper Roof-East	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 4		
S18-0422-05A-Layer 1  072003017-0011	Flashing Material/Upper Roof-West Wall	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-05A-Layer 2  072003017-0011A	Flashing Material/Upper Roof-West Wall	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-05B-Layer 1  072003017-0012	Flashing Material/Upper Roof-East Wall	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-05B-Layer 2  072003017-0012A	Flashing Material/Upper Roof-East Wall	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-05C-Layer 1  072003017-0013	Flashing Material/Upper Roof-South Wall	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-05C-Layer 2  072003017-0013A	Flashing Material/Upper Roof-South Wall	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
			HA: 5		
S18-0422-06A  072003017-0014	Penetration Mastic, Black	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
			HA: 6		
S18-0422-06B  072003017-0015	Penetration Mastic, Black	Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
			HA: 6		
S18-0422-06C  072003017-0016	Penetration Mastic, Black	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
			HA: 6		

Analyst(s)

Ibironke Owa (4)

Violedah Richardson (28)

Michael Murphy  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc Smyrna, GA NVLAP Lab Code 101048-1

Initial report from: 05/01/2020 10:05:35





Project Name:  
 Project Location: 072003017  
 Project Number:  
 Project Manager:

DEKALB Co. ROOFS  
 STATION #18

Bulk Sampling Field Sheet

G. CZACHOR

ATC Sample No.	Sample Description	Material Type	Sample Location	Approximate Quantity	HA	Results
S18.0422 01A	ROOF CORE	M	LOWER ROOF - S		1	
" 01B	"	"	LOWER ROOF - N		"	
<del>S18.0422 02A</del>						
S18.0422 02A	FLASHING MATERIAL	M	LOWER ROOF - SOUTH		2	
" 02B	↓	↓	" - NORTH		↓	
" 02C	↓	↓	" - WEST		↓	
S18.0422 03A	PENETRATION MASTIC, BLACK	M	LOWER ROOF - VENT PIPE		3	
" 03B	↓	↓	LOWER ROOF - VENT PIPE		↓	
" 03C	↓	↓	LOWER ROOF VENT		↓	
S18.0422 04A	ROOF CORE	M	UPPER ROOF - WEST		4	
" 04B	↓	↓	" - EAST		↓	
<del>S18.0422 05A</del>						
S18.0422 05A	FLASHING MATERIAL	M	UPPER ROOF - WEST WALL		5	
" 05B	↓	↓	" - EAST WALL		↓	
" 05C	↓	↓	" - SOUTH WALL		↓	
S18.0422 06A	PENETRATION MASTIC, BLACK	M			6	
" 06B	↓	↓			↓	
" 06C	↓	↓			↓	

Notes: \_\_\_\_\_

REQUESTED ANALYSIS: (PLM) / Point Count / TEM / Positive Stop  
 REQUESTED TURNAROUND TIME: Same Day / Next Day / 3 Day / 3-5 Day

CHAIN OF CUSTODY RECORD

COLLECTED BY: TONY DAVIS	DATE/TIME: 042220/0800
TRANSPORTED BY: ↓	DATE/TIME:
RELINQUISHED BY:	DATE/TIME: 042420/1100
LAB CUSTODY: MM	DATE/TIME: 4/24/2020 11:25am DB
LAB ANALYSIS:	DATE/TIME:

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# THE ASBESTOS INSTITUTE

*Certifies that*

## **Anthony Davis**

has attended and received instruction in the EPA approved course

## **AHERA Building Inspector Refresher**

on

### **October 06, 2019**

and successfully completed and passed the competency exam.

ON-4644-7512-100619

Date of Examination:

6-Oct-2019

Date of Expiration:

06-Oct-2020



William T. Cavness  
Director



Approved Instructor

**THE ASBESTOS INSTITUTE**

20033 N. 19<sup>th</sup> Ave, Building 6, Phoenix, AZ 85027  
602-864-6564 – [www.theasbestosinstitute.com](http://www.theasbestosinstitute.com)

*This training meets all requirements for asbestos certification under Toxic Substance Control Act Title II.*