9874 Main Street
Suite 100
Woodstock, Georgia 30188
Office 770 926-8333
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www.atcgroupservices.com

April 30, 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 #19
3253 Mercer University Drive
Chamblee, Georgia 30341
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 #19 (Site) located at 3253 Mercer University Drive in Chamblee, 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 #19 (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 21, 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 forty (40) 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.

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 #19 **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.

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
Direct +1 770.702.6562
Email: tony.davis@atcgs.com

Darryl Watson, Esq., CIH, CSP, JD
Industrial Hygiene Manager
Direct +1 770.702.6569
Email: 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 #19
3253 Mercer University Drive
Chamblee, Georgia

Sample Number	Material Description	Sample Location	Approximate Quantity	*EPA Category	Asbestos Content
S19-0421-01A	Roof Field	Lower Roof - Center	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD Layer 5 NAD
S19-0421-01B	Roof Field	Lower Roof - East	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD
S19-0421-02A	Flashing Material	Lower Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD
S19-0421-02B	Flashing Material	Lower Roof - East	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD
S19-0421-02C	Flashing Material	Lower Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD
S19-0421-03A	Penetration Mastic, Black	Lower Roof - Vent	NA	NA	Layer 1 NAD Layer 2 NAD
S19-0421-03A	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	Layer 1 NAD Layer 2 NAD
S19-0421-03A	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	Layer 1 NAD Layer 2 NAD
S19-0421-04A	Roof Field	Upper Roof - East	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S19-0421-04B	Roof Field	Upper Roof - West	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S19-0421-05A	Penetration Mastic, Black	Upper Roof – Vent Pipes	NA	NA	NAD
S19-0421-05B	Penetration Mastic, Black	Upper Roof – Vent Pipes	NA	NA	NAD
S19-0421-05C	Penetration Mastic, Black	Upper Roof – Vent Pipes	NA	NA	NAD
S19-0421-06A	Flashing Material	Upper - South	NA	NA	Layer 1 NAD Layer 2 NAD

Table 1
Asbestos Roof Bulk Sample Summary
DeKalb County Fire House #19
3253 Mercer University Drive
Chamblee, Georgia

Sample Number	Material Description	Sample Location	Approximate Quantity	*EPA Category	Asbestos Content
S19-0421-06B	Flashing Material	Lower Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD
S19-0421-06C	Flashing Material	Lower Roof - East	NA	NA	Layer 1 NAD Layer 2 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

EMSL Order: 072003012
Customer ID: ATEC51
Customer PO:
Project ID:

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

Project: DeKalb C. Roofs/Station #19

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: 04/21/2020

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S19-0421-01A-Layer 1 *072003012-0001*	Roof Core/Lower Roof-Center	Black Non-Fibrous Homogeneous	10% Glass HA: 1	90% Non-fibrous (Other)	None Detected
S19-0421-01A-Layer 2 *072003012-0001A*	Roof Core/Lower Roof-Center	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
S19-0421-01A-Layer 3 *072003012-0001B*	Roof Core/Lower Roof-Center	Black Fibrous Homogeneous	70% Cellulose HA: 1	30% Non-fibrous (Other)	None Detected
S19-0421-01A-Layer 4 *072003012-0001C*	Roof Core/Lower Roof-Center	Brown Fibrous Homogeneous	65% Cellulose 10% Glass HA: 1	25% Non-fibrous (Other)	None Detected
S19-0421-01A-Layer 5 *072003012-0001D*	Roof Core/Lower Roof-Center	Yellow Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
S19-0421-01B-Layer 1 *072003012-0002*	Roof Core/Lower Roof-East	Black Non-Fibrous Homogeneous	10% Glass HA: 1	90% Non-fibrous (Other)	None Detected
S19-0421-01B-Layer 2 *072003012-0002A*	Roof Core/Lower Roof-East	Black Non-Fibrous Homogeneous	5% Cellulose HA: 1	95% Non-fibrous (Other)	None Detected
S19-0421-01B-Layer 3 *072003012-0002B*	Roof Core/Lower Roof-East	Brown Fibrous Homogeneous	70% Cellulose 10% Glass HA: 1	20% Non-fibrous (Other)	None Detected
S19-0421-02A-Layer 1 *072003012-0003*	Flashing Material/Lower Roof-South	Silver Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
S19-0421-02A-Layer 2 *072003012-0003A*	Flashing Material/Lower Roof-South	Black Fibrous Homogeneous	15% Glass HA: 2	85% Non-fibrous (Other)	None Detected
S19-0421-02A-Layer 3 *072003012-0003B*	Flashing Material/Lower Roof-South	Black Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
S19-0421-02B-Layer 1 *072003012-0004*	Flashing Material/Lower Roof-East	Silver Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected

Initial report from: 05/01/2020 10:25:35

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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

EMSL Order:	072003012
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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S19-0421-02B-Layer 2 *072003012-0004A*	Flashing Material/Lower Roof-East	Black Fibrous Homogeneous	15% Glass HA: 2	85% Non-fibrous (Other)	None Detected
S19-0421-02B-Layer 3 *072003012-0004B*	Flashing Material/Lower Roof-East	Black Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
S19-0421-02C-Layer 1 *072003012-0005*	Flashing Material/Lower Roof-North	Silver Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
S19-0421-02C-Layer 2 *072003012-0005A*	Flashing Material/Lower Roof-North	Black Fibrous Homogeneous	15% Glass HA: 2	85% Non-fibrous (Other)	None Detected
S19-0421-02C-Layer 3 *072003012-0005B*	Flashing Material/Lower Roof-North	Black Non-Fibrous Homogeneous	HA: 2	100% Non-fibrous (Other)	None Detected
S19-0421-03A-Black Layer *072003012-0006*	Penetration Mastic, Black/Lower Roof-Vent	Black Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-03A-White Layer *072003012-0006A*	Penetration Mastic, Black/Lower Roof-Vent	White Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-03B-Black Layer *072003012-0007*	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-03B-White Layer *072003012-0007A*	Penetration Mastic, Black/Lower Roof-Vent Pipe	White Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-03C-Black Layer *072003012-0008*	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-03C-White Layer *072003012-0008A*	Penetration Mastic, Black/Lower Roof-Vent Pipe	White Non-Fibrous Homogeneous	HA: 3	100% Non-fibrous (Other)	None Detected
S19-0421-04A-Layer 1 *072003012-0009*	Roof Core/Upper Roof-East	Black Non-Fibrous Homogeneous	10% Glass HA: 4	90% Non-fibrous (Other)	None Detected
S19-0421-04A-Layer 2 *072003012-0009A*	Roof Core/Upper Roof-East	Black Non-Fibrous Homogeneous	5% Cellulose HA: 4	95% Non-fibrous (Other)	None Detected

Initial report from: 05/01/2020 10:25:35

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EMSL Order:	072003012
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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S19-0421-04A-Layer 3 *072003012-0009B*	Roof Core/Upper Roof-East	Brown Fibrous Homogeneous	70% Cellulose 10% Glass HA: 4	20% Non-fibrous (Other)	None Detected
S19-0421-04A-Layer 4 *072003012-0009C*	Roof Core/Upper Roof-East	Yellow Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S19-0421-04B-Layer 1 *072003012-0010*	Roof Core/Upper Roof-West	Black Non-Fibrous Homogeneous	15% Glass HA: 4	85% Non-fibrous (Other)	None Detected
S19-0421-04B-Layer 2 *072003012-0010A*	Roof Core/Upper Roof-West	Black Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S19-0421-04B-Layer 3 *072003012-0010B*	Roof Core/Upper Roof-West	Brown Fibrous Homogeneous	65% Cellulose HA: 4	35% Non-fibrous (Other)	None Detected
S19-0421-04B-Layer 4 *072003012-0010C*	Roof Core/Upper Roof-West	Yellow Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S19-0421-05A *072003012-0011*	Penetration Mastic, Black/Upper Roof-Vent Pipe	Black Non-Fibrous Homogeneous	5% Cellulose HA: 5	95% Non-fibrous (Other)	None Detected
S19-0421-05B *072003012-0012*	Penetration Mastic, Black/Upper Roof-Vent Pipe	Black Non-Fibrous Homogeneous	5% Cellulose HA: 5	95% Non-fibrous (Other)	None Detected
S19-0421-05C *072003012-0013*	Penetration Mastic, Black/Upper Roof-Vent Pipe	Black Non-Fibrous Homogeneous	15% Cellulose HA: 5	85% Non-fibrous (Other)	None Detected
S19-0421-06A-Silver Paint *072003012-0014*	Flashing Material/Upper Roof-South	Silver Non-Fibrous Homogeneous	5% Cellulose HA: 6	95% Non-fibrous (Other)	None Detected
S19-0421-06A-Black Layer *072003012-0014A*	Flashing Material/Upper Roof-South	Black Fibrous Homogeneous	15% Glass HA: 6	85% Non-fibrous (Other)	None Detected
S19-0421-06B-Silver Paint *072003012-0015*	Flashing Material/Upper Roof-North	Silver Non-Fibrous Homogeneous	5% Cellulose HA: 6	95% Non-fibrous (Other)	None Detected
S19-0421-06B-Black Layer *072003012-0015A*	Flashing Material/Upper Roof-North	Black Fibrous Homogeneous	15% Glass HA: 6	85% Non-fibrous (Other)	None Detected

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EMSL Order:	072003012
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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S19-0421-06C-Silver Paint *072003012-0016*	Flashing Material/Upper Roof-East	Silver Non-Fibrous Homogeneous	5% Cellulose HA: 6	95% Non-fibrous (Other)	None Detected
S19-0421-06C-Black Layer *072003012-0016A*	Flashing Material/Upper Roof-East	Black Fibrous Homogeneous	15% Glass HA: 6	85% Non-fibrous (Other)	None Detected

Analyst(s)

Ibironke Owa (34)

Violedah Richardson (6)

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 10:25:35

OrderID: 072003012

ATC

Bulk Sampling Field Sheet

Project Name: DEKALB CO. ROOFS
Project Location: STATION # 19
Project Number: 072003012
Project Manager: G. CZACHOR

ATC Sample No.	Sample Description	Material Type	Sample Location	Approximate Quantity	HA	Results
S19.0421.01A	ROOF CORE	M	LOWER ROOF - CENTER		1	
" .01B	"	"	" . EAST		"	
S19.0421.02A	FLASHING MATERIAL	M	LOWER ROOF - SOUTH		2	
" .02B	↓	↓	" - EAST		↓	
" .02C	↓	↓	" . NORTH		↓	
S19.0421.03A	PENETRATION MASTIC,	M	LOWER ROOF - VENT		3	
" .03B	BLACK ↓	↓	" . VENT PIPE		↓	
" .03C	↓	↓	" . VENT PIPE		↓	
S19.0421.04A	ROOF CORE	M	UPPER ROOF - EAST		4	
" .04B	"	"	UPPER ROOF WEST		"	
S19.0421.05A	PENETRATION MASTIC,	M	UPPER ROOF - VENT PIPE		5	
" .05B	BLACK ↓	↓	UPPER ROOF - VENT PIPE		↓	
" .05C	↓	↓	UPPER ROOF - VENT PIPE		↓	
S19.0421.06A	FLASHING MATERIAL	M	UPPER ROOF - SOUTH		6	
" .06B	↓	↓	" . NORTH		↓	
" .06C	↓	↓	" . EAST		↓	

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 042120/1300
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

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. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

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