9874 Main Street
Suite 100
Woodstock, Georgia 30188
Office 770 926-8333
Fax 770 926-5383
www.atcgroupservices.com

May 1, 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 #20
2919 Warren Road
Decatur, Georgia 30034
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 #20 (Site) located at 2919 Warren Road, in Decatur, 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 #20 (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 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.

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 #20 **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 #20
2919 Warren Road
Decatur, Georgia

Sample Number	Material Description	Sample Location	Approximate Quantity	*EPA Category	Asbestos Content
S20-0421-01A	Roof Field	Lower Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD Layer 5 NAD
S20-0421-01B	Roof Field	Lower Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD
S20-0421-02A	Flashing Material	Lower Roof – West Wall	NA	NA	NAD
S20-0421-02B	Flashing Material	Lower Roof – East Wall	NA	NA	NAD
S20-0421-02C	Flashing Material	Lower Roof – North Wall	NA	NA	NAD
S20-0421-03A	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	NAD
S20-0421-03B	Penetration Mastic, Black	Lower Roof – Vent Pipe	NA	NA	NAD
S20-0421-03C	Penetration Mastic, Black	Lower Roof – Vent	NA	NA	NAD
S20-0421-04A	Roof Field	Upper Roof - North	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD Layer 5 NAD
S20-0421-04B	Roof Field	Upper Roof - South	NA	NA	Layer 1 NAD Layer 2 NAD Layer 3 NAD Layer 4 NAD
S20-0421-05A	Flashing Material	Upper Roof - West	NA	NA	NAD
S20-0421-05B	Flashing Material	Upper Roof - East	NA	NA	NAD
S20-0421-05C	Flashing Material	Upper Roof - North	NA	NA	NAD
S20-0421-06A	Penetration Mastic, Black	Upper Roof – Vents	NA	NA	NAD

Table 1
Asbestos Roof Bulk Sample Summary
DeKalb County Fire House #20
2919 Warren Road
Decatur, Georgia

Sample Number	Material Description	Sample Location	Approximate Quantity	*EPA Category	Asbestos Content
S20-0421-06B	Penetration Mastic, Black	Lower Roof – Vents	NA	NA	NAD
S20-0421-06C	Penetration Mastic, Black	Lower Roof – Vents	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

EMSL Order: 072003010
Customer ID: ATEC51
Customer PO:
Project ID:

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

Project: DeKalb Co. Roofs/Station #20

Phone: (770) 906-3780
Fax: (770) 926-5383
Received Date: 04/24/2020 11:25 AM
Analysis Date: 04/30/2020
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**
S20-0421-01A-Layer 1 *072003010-0001*	Roof Core/Lower Roof	Black Non-Fibrous Homogeneous	15% Glass HA: 1	85% Non-fibrous (Other)	None Detected
S20-0421-01A-Layer 2 *072003010-0001A*	Roof Core/Lower Roof	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
S20-0421-01A-Layer 3 *072003010-0001B*	Roof Core/Lower Roof	Black Fibrous Homogeneous	70% Cellulose HA: 1	30% Non-fibrous (Other)	None Detected
S20-0421-01A-Layer 4 *072003010-0001C*	Roof Core/Lower Roof	Brown Fibrous Homogeneous	65% Cellulose 10% Glass HA: 1	25% Non-fibrous (Other)	None Detected
S20-0421-01A-Layer 5 *072003010-0001D*	Roof Core/Lower Roof	Yellow Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
S20-0421-01B-Layer 1 *072003010-0002*	Roof Core/Lower Roof	Black Non-Fibrous Homogeneous	15% Glass HA: 1	85% Non-fibrous (Other)	None Detected
S20-0421-01B-Layer 2 *072003010-0002A*	Roof Core/Lower Roof	Black Non-Fibrous Homogeneous	HA: 1	100% Non-fibrous (Other)	None Detected
S20-0421-01B-Layer 3 *072003010-0002B*	Roof Core/Lower Roof	Brown Fibrous Homogeneous	65% Cellulose 10% Glass HA: 1	25% Non-fibrous (Other)	None Detected
S20-0421-02A *072003010-0003*	Flashing Material/Lower Roof-West	Black Non-Fibrous Homogeneous	5% Glass HA: 2	95% Non-fibrous (Other)	None Detected
S20-0421-02B *072003010-0004*	Flashing Material/Lower Roof-East	Black Non-Fibrous Homogeneous	5% Glass HA: 2	95% Non-fibrous (Other)	None Detected
S20-0421-02C *072003010-0005*	Flashing Material/Lower Roof-North	Black Non-Fibrous Homogeneous	5% Glass HA: 2	95% Non-fibrous (Other)	None Detected
S20-0421-03A *072003010-0006*	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	20% Cellulose HA: 3	80% Non-fibrous (Other)	None Detected

Initial report from: 05/01/2020 09:45:07

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: 072003010
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**
S20-0421-03B *072003010-0007*	Penetration Mastic, Black/Lower Roof-Vent Pipe	Black Non-Fibrous Homogeneous	20% Cellulose HA: 3	80% Non-fibrous (Other)	None Detected
S20-0421-03C *072003010-0008*	Penetration Mastic, Black/Lower Roof-Vent	Black Non-Fibrous Homogeneous	20% Cellulose HA: 3	80% Non-fibrous (Other)	None Detected
S20-0421-04A-Layer 1 *072003010-0009*	Roof Core/Upper Roof-North	Black Non-Fibrous Homogeneous	15% Glass HA: 4	85% Non-fibrous (Other)	None Detected
S20-0421-04A-Layer 2 *072003010-0009A*	Roof Core/Upper Roof-North	Black Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S20-0421-04A-Layer 3 *072003010-0009B*	Roof Core/Upper Roof-North	Black Non-Fibrous Homogeneous	70% Cellulose HA: 4	30% Non-fibrous (Other)	None Detected
S20-0421-04A-Layer 4 *072003010-0009C*	Roof Core/Upper Roof-North	Brown Fibrous Homogeneous	65% Cellulose 10% Glass HA: 4	25% Non-fibrous (Other)	None Detected
S20-0421-04A-Layer 5 *072003010-0009D*	Roof Core/Upper Roof-North	Yellow Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S20-0421-04B-Layer 1 *072003010-0010*	Roof Core/Upper Roof-South	Black Non-Fibrous Homogeneous	15% Glass HA: 4	85% Non-fibrous (Other)	None Detected
S20-0421-04B-Layer 2 *072003010-0010A*	Roof Core/Upper Roof-South	Black Non-Fibrous Homogeneous	70% Cellulose HA: 4	30% Non-fibrous (Other)	None Detected
S20-0421-04B-Layer 3 *072003010-0010B*	Roof Core/Upper Roof-South	Brown Fibrous Homogeneous	65% Cellulose 10% Glass HA: 4	25% Non-fibrous (Other)	None Detected
S20-0421-04B-Layer 4 *072003010-0010C*	Roof Core/Upper Roof-South	Yellow Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
S20-0421-05A-Layer 1 *072003010-0011*	Flashing/Upper Roof-West	Black Fibrous Homogeneous	15% Glass HA: 5	85% Non-fibrous (Other)	None Detected
S20-0421-05A-Layer 2 *072003010-0011A*	Flashing/Upper Roof-West	Black Non-Fibrous Homogeneous	HA: 5	100% Non-fibrous (Other)	None Detected
S20-0421-05B-Layer 1 *072003010-0012*	Flashing/Upper Roof-East	Black Fibrous Homogeneous	15% Glass HA: 5	85% Non-fibrous (Other)	None Detected

Initial report from: 05/01/2020 09:45:07

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: 072003010
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**
S20-0421-05B-Layer 2 *072003010-0012A*	Flashing/Upper Roof-East	Black Non-Fibrous Homogeneous	HA: 5	100% Non-fibrous (Other)	None Detected
S20-0421-05C-Layer 1 *072003010-0013*	Flashing/Upper Roof-North	Black Fibrous Homogeneous	15% Glass HA: 5	85% Non-fibrous (Other)	None Detected
S20-0421-05C-Layer 2 *072003010-0013A*	Flashing/Upper Roof-North	Black Non-Fibrous Homogeneous	HA: 5	100% Non-fibrous (Other)	None Detected
S20-0421-06A *072003010-0014*	Penetration Mastic, Black/Upper Roof-Vents	Black Non-Fibrous Homogeneous	10% Cellulose HA: 6	90% Non-fibrous (Other)	None Detected
S20-0421-06B *072003010-0015*	Penetration Mastic, Black/Upper Roof-Vents	Black Non-Fibrous Homogeneous	10% Cellulose HA: 6	90% Non-fibrous (Other)	None Detected
S20-0421-06C *072003010-0016*	Penetration Mastic, Black/Upper Roof-Vents	Black Non-Fibrous Homogeneous	10% Cellulose HA: 6	90% Non-fibrous (Other)	None Detected

Analyst(s)
Ibironke Owa (32)

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 09:45:07

OrderID: 072003010

ATC

Bulk Sampling Field Sheet

Project Name: 072003010 DeKalb Co. Roofs
Project Location: Station #20
Project Number:
Project Manager: G. Czachor

ATC Sample No.	Sample Description	Material Type	Sample Location	Approximate Quantity	HA	Results
520.0421.01A	ROOF CORE	M	LOWER ROOF -		1	
" .01B	"	"	" .		"	
520.0421.02A	FLASHING MATERIAL	M	LOWER ROOF - WEST		2	
" .02B	↓	↓	" - EAST		↓	
" .02C	↓	↓	" . NORTH		↓	
520.0421.03A	PENETRATION MASTIC,	M	LOWER ROOF - VENT PIPE		3	
" .03B	BLACK ↓	↓	" . VENT PIPE		↓	
" .03C	↓	↓	" . VENT ~~[illegible]~~		↓	
520.0421.04A	ROOF CORE	M	UPPER ROOF - NORTH		4	
" .04B	"	↓	" - SOUTH		"	
~~.04C~~		~~M~~				
520.0421.05A	FLASHING	M	UPPER ROOF - WEST		5	
" .05B	↓	↓	" . EAST		↓	
" .05C	↓	↓	" . NORTH		↓	
520.0421.06A	PENETRATION MASTIC,	M	UPPER ROOF - VENTS		6	
" .06B	BLACK ↓	↓	" - VENTS		↓	
" .06C	↓	↓	" . VENTS		↓	

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: 042120/0900
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.