UNITED
CONSULTING

REPORT

For City of Clarkston

Pre-Demolition Asbestos Survey
40 Oaks Nature Preserve House
3803 Market Street
Clarkston, Dekalb County, Georgia

625 Holcomb Bridge Road, Norcross, GA 30071 • 770-209-0029 • unitedconsulting.com

May 26, 2021

Mr. Robin Gomez
City of Clarkston
1055 Rowland Street
City Hall Annex
Clarkston, GA 30021

c/o Mr. Larry Kaiser
Collaborative Infrastructure Services, Inc.

Via Email: kaiser@co-infra-services.com

RE: Report of Pre-Demolition Asbestos Survey
40 Oaks Nature Preserve House
3803 Market Street
Clarkston, Dekalb County, Georgia
Project Number: CIOCL-21-GA-05308-01

Dear Mr. Gomez:

United Consulting has completed the Asbestos Sampling at the above referenced site at 3803 Market Street in Clarkston, Dekalb County, Georgia, hereinafter referred to as the Project Site. The testing activities were performed in substantial conformance with industry standards. We appreciate the opportunity to assist you with this project and look forward to assisting you with future projects. Please contact us if you have any questions or if we can be of further assistance.

Sincerely,

UNITED CONSULTING

Christopher E. Lee, ASP
Staff II Environmental Specialist

Timothy J. Beck, P.G
Executive Vice President

CEL/TJB/gh

TABLE OF CONTENTS

APPENDICES

1.0 EXECUTIVE SUMMARY[1]

United Consulting has conducted a Pre-Demolition Asbestos Survey on the 40 Oaks Nature Preserve House Property, located in Dekalb County, Georgia (herein referred to in the report as the Project Site). The results of this survey are briefly summarized below. The text of the report should be reviewed for a discussion of the following items:

- At the time of this assessment, the Project Site was developed with a two-story, vacant residential home, constructed in the early 1900s. No other structures were present at the Project Site.

- United Consulting utilized destructive sampling techniques at the Project Site. This included destructive access of wall cavities, HVAC systems, and roofing materials.

- A total of 45 bulk samples of suspect asbestos containing materials (suspect ACM) were obtained from the Project Site structure during this survey. **Six of these samples were found to contain regulated concentrations of asbestos fibers.**

- The National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires the removal of ACM prior to activities which would disturb them. United Consulting recommends that the identified ACM be removed prior to demolition of the buildings by a qualified asbestos abatement contract using State of Georgia accredited personnel, in accordance with applicable federal, state, and local regulations governing the removal of ACM.

- A Ten-Day Notification must be submitted to the Georgia Environmental Protection Division (EPD), by the building owner or demolition contractor, prior to the start of any building demolition/renovation activities. As the licensed asbestos inspector conducting this survey, United Consulting requests that we be contacted when the Ten-Day Notification is submitted to EPD.

[1] This Executive Summary is not intended to be used or relied upon without reference to the entire report, and cannot otherwise be properly understood and interpreted. It is provided solely for the convenience of the Client and not as a substitute for the report or review of the report.

2.0 CERTIFICATIONS

I hereby certify that I inspected the above structure and conducted asbestos bulk sampling associated with this survey. I also certify that I am a Licensed Asbestos Inspection in accordance with the Asbestos Hazard Emergency Response Act (AHERA). A copy of my certification is included in Appendix A.

UNITED CONSULTING

Christopher E. Lee
Asbestos Building Inspector
Date of Inspection: 05/04/2021

3.0 INTRODUCTION

3.1 Site Location

The Project Site was developed with a two-story, vacant residential home, located at 3803 Market Street in Clarkston, Dekalb County, Georgia. A boundary survey, provided by the client, was utilized to locate the Project Site for this assessment. A copy of this boundary survey is included in Appendix A.

This assessment was restricted to the two-story residential structure located on this property.

3.2 Purpose

United Consulting was retained by **City of Clarkston c/o Collaborative Infrastructure Services, Inc.** to perform a Pre-Demolition Asbestos Survey of the Project Site structure. The purpose of this survey was to collect and test representative samples of common building materials for the presence of asbestos fibers.

3.3 Previous Investigations

No previous assessments of the Project Site structure were provided to United Consulting.

4.2 SCOPE OF WORK

The scope of this survey was outlined in United Consulting's proposal dated April 21, 2021. In performing this survey, United Consulting conducted the following activities:

- Visually examined the accessible areas of the Project Site structure to identify suspect ACM which could be impacted by demolition/renovation activities;
- Physically examined suspect ACM to evaluate whether the materials were friable or non-friable (a friable material is any material that, when dry, may be crumbled, pulverized, or reduced to a powder using hand pressure);
- Described the suspect ACM and note the areas where the material was located;
- Collected bulk samples of identified suspect ACM, of which a maximum of 40 samples were authorized;
- Submitted the bulk samples for asbestos analysis by Polarized Light Microscopy (PLM); and
- Prepared this report of the sampling activities and findings.

4.2.1 Modifications to Scope

Five additional sample of suspect ACM was collected during the course of this assessment.

5.0 DESCRIPTION OF FACILITIES

The Project Site was developed with a two-story, vacant residential home, constructed in the early 1900s. Portions of the structure were added in the 1940s (referred to as “addition one” in this report) and 1950s (referred to as “addition two” in this report), respectively. The central portion of the structure consisted of a wood-framed structure, clad with wood siding, and roofed with asphalt shingles not original to the structure. Interior finishes in this portion consisted of wood flooring and trim, and plaster and lath walls. The 1940s addition to the structure was framed with wood and clad with asbestos cement siding. Interior areas of the 1940s and 1950s additions were finished with vinyl composite tile and drywall.

It is our understanding that the client intends to renovate or demolish the Project Site structure.

6.0 INACCESSIBLE AREAS/LIMITING CONDITIONS

The Project Site was unoccupied during this assessment. For this reason, United Consulting employed destructive sampling techniques to obtain representative samples of suspect ACM for demolition/renovation. This included accessing both accessible locations and concealed spaces (wall cavities, plenums, etc.).

- Due to structural deficiencies and damage, sampled roofing materials were limited to areas deemed safe and accessible.

United Consulting recommends that additional assessment be conducted if any other suspect materials are identified in formerly inaccessible areas during the renovation/demolition process.

7.0 ASBESTOS SURVEY

7.1 Overview, Methodology, and Standards

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. These minerals and their associated refined fibers have been used throughout history to the present day in order to add strength and fire resistance to many common building materials. Asbestos fibers are acknowledged carcinogens and present a risk to human health for those that are exposed. Due to these recognized hazards, many federal and state regulations govern the handling, use, and disposal of materials containing regulated concentrations of asbestos fibers. The intent of this asbestos survey is to identify ACM located within the structures present at the Project Site.

This asbestos survey consisted of both a destructive visual survey of the Project Site structure in order to identify suspect ACM, and collection of bulk samples for laboratory analysis of asbestos fiber content.

This survey is intended to satisfy the “Pre-Construction Survey” requirement and the “Thorough Inspection” requirement of the Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61, Subpart M). This regulation governs the demolition or renovation of structures containing ACM.

7.2 Sample Location Selection

Bulk sampling was performed at the Project Site, on May 4, 2021 by Mr. Christopher Lee. Sample locations were randomly chosen in the field, based on the identification of suspect ACM. A distributed sampling plan based on a randomized sampling scheme was not used for this sampling program. Samples were collected from areas deemed safe and accessible.

Bulk samples were collected from typical suspect materials such as drywall, vinyl floor tile, caulks, textured ceiling materials, and other suspect materials. Bulk samples were not collected of non-suspect materials such as drapes, wood, fiberglass insulation or ceramic tiles.

7.3 Procedure

Samples were collected by preparing the material to be sampled, by extracting a representative section of the suspect material and by placing the material in a sample container. Each sample was assigned a unique sample number and delivered to an independent laboratory (Analytical Environmental Services, Inc.) for analysis. Chain-of-Custody was documented and retained on-file. The laboratory results are attached in Appendix B.

7.4 Bulk Sample Analysis

The bulk samples were tested for detectable concentrations of asbestos (greater than one percent asbestos) utilizing PLM and dispersion staining techniques. All analyses were performed in accordance with EPA “Interim Method for the Determination of Asbestos in Bulk Insulation Samples” (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and “Method for the Determination

of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993. Materials containing one percent or more asbestos are considered ACM and are regulated. Bulk sample testing was performed by Analytical Environmental Services, Inc., a successful participant in the National Voluntary Laboratory Accreditation Program (NVLAP), lab code 102082-0.

7.5 Bulk Sample Findings

7.5.1 General

United Consulting collected 45 bulk samples of suspect ACM from the Project Site structures during this sampling event. Many of the bulk samples collected contained several layers, which needed to be individually analyzed. The items included flooring tiles, drywall materials, ceiling tiles, caulking, mastics, roofing materials, and others. The survey results discussed below have been compiled by material location. Photocopies of the Laboratory Results are included in Appendix C. Sample locations are listed in the tables below. Below in Exhibit 1 is a summary of asbestos containing materials (ACM) identified at the Project Site. A summary of the remaining bulk sample results is presented in Table 1.

7.5.2 Asbestos Containing Materials

Of the 45 bulk samples of suspect ACM analyzed, six of the samples collected from the building were found to contain regulated concentrations of asbestos fibers. These materials included exterior fiber cement siding, window glazing compound, window caulk and dry wall tape. The items identified as ACM were located on or in the two-story residential structure located at the Project Site. Exhibit 2 below includes a summary of the bulk samples which were found to contain regulated concentrations of asbestos fibers.

EXHIBIT 1 – SUMMARY OF POSITIVE ASBESTOS BULK SAMPLE RESULTS

Sample No.	ACM	Location
A-07	Fiber cement siding	Exterior
A-06	Fiber cement siding	Exterior
A-13	Window glazing compound, addition 2	Exterior
A-14	Window caulk, white/blue	Exterior
A-15	Window caulk, white/blue	Exterior
A-24	Drywall tape	Addition 1

7.5.3 Asbestos Data Evaluation and Recommendations

Regulated concentrations of asbestos fibers were identified within samples collected from the Project Site. Five out of six locations of the asbestos containing materials were collected from the exterior and one was within addition one of the two-story residential structure. The exterior samples were fiber cement siding, window glazing component and window caulk and the sample within addition one was drywall tape.

Two fiber cement siding samples and two white and blue window caulk samples, respectively collected from the exterior were found to contain regulated concentrations of asbestos fibers. Drywall tape collected from addition one, in addition to window glazing compounds collected from the exterior of addition two, were found to contain regulated concentrations of asbestos fibers. Furthermore, the laboratory indicated that the joint compound associated with the drywall tape contained regulated concentrations of asbestos. United Consulting recommends that all drywall joint compounds present within the addition areas be considered ACM and abated prior to demolition or renovation.

In the event that suspect ACM are encountered within previously inaccessible building areas at the time of demolition, United Consulting should be contacted and proper samples of the suspect materials should be collected and submitted for testing, prior to continuing demolition activities which could disturb these materials and potentially result in an asbestos fiber release.

The National Emissions Standard for Hazardous Air Pollutants (NESHAP) requires the removal of ACM prior to activities, which would disturb them. United Consulting recommends that the asbestos-containing materials be removed, prior to demolition by a qualified asbestos abatement contractor, using State of Georgia accredited personnel, in accordance with applicable federal, state and local regulations governing the removal of asbestos-containing material.

A Ten-Day Notification should be forwarded to the Georgia Environmental Protection Division (EPD), by the building owner or demolition contractor prior to the start of any building demolition activities.

A Georgia licensed Asbestos Removal Contractor should be employed to remove asbestos-containing materials (ACM) and appropriately contain, transport, and dispose of asbestos containing waste materials. Friable material (such as pipe insulation) should be appropriately addressed in a timely manner, whether any demolition or renovation is planned or not. ACM that is not friable (e.g., floor tile and mastic) should be addressed before any demolition or renovation work begins.

7.5.4 Estimated Quantities

Estimated quantities of ACM were not conducted as part of this survey. If requested, we can provide these quantities under separate cover.

8.0 CONCLUSIONS

Based on the results of this survey, **asbestos containing building materials were identified at the Project Site**. A qualified asbestos abatement contractor will be required to remove the identified asbestos containing materials prior to renovation/demolition work.

The building owner or demolition contractor must forward a proper Ten Day Notification to the Georgia EPD prior to the start of any building renovation/demolition activities. As the asbestos inspector on record, United Consulting requests to be contacted when the Ten-Day Notification has been submitted to Georgia EPD.

9.0 LIMITATIONS

The conclusions presented in this Asbestos Report are based on the laboratory results and condition of the materials identified. Asbestos concentrations will vary between sample locations. Our assessment of the materials at the Project Site is a professional opinion arrived at through the method and procedures accepted by and standard to the industry. No other warranty or guarantee is expressed or implied.

Representative areas of the Project Site were sampled on a limited basis. ***Preparation of abatement design bid documents or scopes of work for abatement, may require additional sampling and definition of the extent of the material.*** United Consulting shall not be held responsible for errors, miscalculations, assumptions, misinterpretations or other problems or liabilities arising from, or associated with, firms or individuals bidding on asbestos abatement work that rely solely, or in part, on this document.

This report has been prepared on behalf of the client. Should any other person, partnership, or corporation desire to rely upon this report, it will be necessary for United Consulting to update the report for the new user.

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Tables

TABLE 1 - SUMMARY OF ASBESTOS TEST RESULTS

Sample No.	Component	Location	Friability/ Condition	Asbestos (%)
A-01	Window glazing compound-addition 1	Friable	Exterior	ND
A-02	Window glazing compound-addition 1	Friable	Exterior	ND
A-03	Door caulk- addition 1	Non-Friable	Exterior	ND
A-04	Door caulk - addition 1	Non-Friable	Exterior	ND
A-07	**Fiber cement siding**	**Non-Friable**	**Exterior**	**15% CH**
A-06	**Fiber cement siding**	**Friable**	**Exterior**	**15% CH**
A-08	Tar paper	Friable	Exterior	ND
A-05	Window glazing compound, kitchen	Friable	Exterior	ND
A-09	Tar paper	Friable	Exterior	ND
A-10	Tar paper, addition 1	Friable	Exterior	ND
A-11	Tar paper, addition 1	Friable	Exterior	ND
A-12	Window glazing compound	Friable	Exterior	ND
A-13	**Window glazing compound, addition 2**	**Friable**	**Exterior**	**2% CH**
A-14	**Window caulk, white/blue**	**Non-Friable**	**Exterior**	**5% CH**
A-15	**Window caulk, white/blue**	**Non-Friable**	**Exterior**	**5% CH**
A-16	Roofing shingle	Non-Friable	Exterior	ND
A-17	Roofing shingle	Non-Friable	Exterior	ND
A-18	Ceiling texture	Friable	Addition 1	ND
A-19	Ceiling texture	Friable	Addition 1	ND
A-20	12x12 ft, green	Non-Friable	Addition 1	ND
A-21	12x12 floor tile, green	Non-Friable	Addition 1	ND
A-22	12x12 floor tile, red	Non-Friable	Addition 1	ND
A-23	12x12 floor tile, red	Non-Friable	Addition 1	ND
A-24	**Drywall tape**	**Friable**	**Addition 1**	**2% CH**
A-25	DWSC	Friable	Addition 1	ND
A-26	DWSC	Friable	Addition 1	ND
A-27	12x12 floor tile, dark green	Non-Friable	Kitchen	ND
A-28	12x12 floor tile, dark green	Non-Friable	Kitchen	ND
A-29	12x12 floor tile, yellow	Non-Friable	Kitchen	ND
A-30	12 x 12 floor tile, yellow	Non-Friable	Kitchen	ND
A-31	DWSC w/ceiling texture	Friable	Kitchen	ND
A-32	DWSC	Friable	Kitchen	ND
A-33	Joint compound	Friable	Addition 1	ND

Sample No.	Component	Location	Friability/ Condition	Asbestos (%)
A-34	Joint compound	Friable	Addition 1	ND
A-35	Joint compound	Friable	Office	ND
A-36	12x12 floor tile, tan	Non-Friable	Bathroom	ND
A-37	Joint compound	Friable	Bathroom	ND
A-38	DWSC	Friable	Bathroom	ND
A-39	Plaster skim coat	Friable	Bedroom 1	ND
A-40	Plaster	Friable	Bedroom 1	ND
A-41	Plaster skim coat	Friable	Bedroom 2	ND
A-42	Plaster	Friable	Bedroom 2	ND
A-43	Plaster skim coat - over masonry	Friable	Bedroom 3	ND
A-44	Plaster - over masonry	Friable	Bedroom 3	ND
A-45	Plaster	Friable	Bedroom 3	ND

ND=None Detected
CH=Chrysotile
Highlight = Asbestos Containing
* Sample result obtained via Point Counting due to initial result of < 1% Chrysotile

APPENDIX A

Certifications

The Environmental Institute

Chris Lee

Social Security Number - [redacted]

United Consulting - 625 Holcomb Bridge Road - Norcross, Georgia 30071

Has completed 8 hours of coursework and satisfactorily passed an examination that meets all criteria required for EPA/AHERA/ASHARA (TSCA Title II) Approved Reaccreditation

Asbestos in Buildings: Inspector & Management Planner Refresher

April 21, 2020
Course Date

17918
Certificate Number

April 21, 2020
Examination Date

April 20, 2021
Expiration Date

Thomas G. Laubenthal - Principal Instructor

Rachel G. McCain - Exam Administrator

David W. Hogue - Training Manager

(Approved by the ABIH Certification Maintenance Committee for 1 CM point - Approval #11-583)
(Florida Provider Registration #FL49-0001342 - Inspector Ref.Course #0002805 - Mgmt. Plan Ref. Course #0002806)
TEI - 1395 S. Marietta Parkway SE - Building 100, Suite 124 - Marietta, GA 30067
Phone: 770-427-3600 - www.tei-atl.com

APPENDIX B

Laboratory Analytical

Testing Results

2105464
1

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UNITED CONSULTING GROUP, LTD
625 Holcomb Bridge Road, Norcross, GA 30071
(770) 209-0029 / Fax (770) 582-2900

CHAIN OF CUSTODY
BULK ANALYSIS

Client Name:	United Consulting	Phone:	(770) 209-0029
Address:	625 Holcomb Bridge Road	Fax:	(770) 582-2900
City, State, Zip:	Norcross, GA 30071	Project Name:	40 Oak
Contact:	clee@unitedconsulting.com	Project Number:	
Sampler's Name:	Chris Lee	Date:	5/4/2021

Sample ID	Sample Location / Description	Analysis Requested	Turnaround Time	Sample Date
A-01	Window glazing - addition 1	PLM	Standard	5/4/2021
A-02	Window glazing - addition 1	PLM	Standard	5/4/2021
A-03	Door caulk- addition 1	PLM	Standard	5/4/2021
A-04	Door caulk - addition 1	PLM	Standard	5/4/2021
A-07	Fiber cement siding	PLM	Standard	5/4/2021
A-06	Fiber cement siding	PLM	Standard	5/4/2021
A-08	Tar paper	PLM	Standard	5/4/2021
A-05	Window glazing, kitchen	PLM	Standard	5/4/2021
A-09	Tar paper	PLM	Standard	5/4/2021
A-10	Tar paper, addition 1	PLM	Standard	5/4/2021
A-11	Tar paper, addition 1	PLM	Standard	5/4/2021
A-12	Window glazing	PLM	Standard	5/4/2021
A-13	Window glazing, addition 2	PLM	Standard	5/4/2021
A-14	Window caulk, white/blue	PLM	Standard	5/4/2021
A-15	Window caulk, white/blue	PLM	Standard	5/4/2021
A-16	Roofing shingle	PLM	Standard	5/4/2021
A-17	Roofing shingle	PLM	Standard	5/4/2021
A-18	Ceiling texture	PLM	Standard	5/4/2021
A-19	Ceiling texture	PLM	Standard	5/4/2021
A-20	12x12 ft, green	PLM	Standard	5/4/2021
A-21	12x12 floor tile, green	PLM	Standard	5/4/2021
A-22	12x12 floor tile, red	PLM	Standard	5/4/2021
A-23	12x12 floor tile, red	PLM	Standard	5/4/2021
A-24	Drywall tape	PLM	Standard	5/4/2021
A-25	DWSC	PLM	Standard	5/4/2021
A-26	DWSC	PLM	Standard	5/4/2021

Relinquished By:	[signature]	Date/Time:	5/4/2021 15:48:07
Received By:	[signature]	Date/Time:	5/4/21 16:05
Relinquished By:	[signature]	Date/Time:	5/4/21 16:08
Received By:		Date/Time:	

Lab Recipient: Yodit Mazengia Date/Time: 5/4/21 4:06p Method of Shipment: Client

2105464

2

UNITED CONSULTING GROUP, LTD
625 Holcomb Bridge Road, Norcross, GA 30071
(770) 209-0029 / Fax (770) 582-2900

UNITED CONSULTING

CHAIN OF CUSTODY
BULK ANALYSIS

Client Name:	United Consulting	Phone:	(770) 209-0029
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City, State, Zip:	Norcross, GA 30071	Project Name:	40 Oak
Contact:	clee@unitedconsulting.com	Project Number:	
Sampler's Name:	Chris Lee	Date:	5/4/2021

Sample ID	Sample Location / Description	Analysis Requested	Turnaround Time	Sample Date
A-27	12x12 floor tile, dark green	PLM	Standard	5/4/2021
A-28	12x12 floor tile, dark green	PLM	Standard	5/4/2021
A-29	12x12 floor tile, yellow	PLM	Standard	5/4/2021
A-30	12 x 12 floor tile, yellow	PLM	Standard	5/4/2021
A-31	DWSC w/ceiling texture	PLM	Standard	5/4/2021
A-32	DWSC	PLM	Standard	5/4/2021
A-33	Joint compound	PLM	Standard	5/4/2021
A-34	Joint compound	PLM	Standard	5/4/2021
A-35	Joint compound	PLM	Standard	5/4/2021
A-36	12x12 floor tile, tan	PLM	Standard	5/4/2021
A-37	Joint compound	PLM	Standard	5/4/2021
A-38	DWSC	PLM	Standard	5/4/2021
A-39	Plaster skim coat	PLM	Standard	5/4/2021
A-40	Plaster	PLM	Standard	5/4/2021
A-41	Plaster skim coat	PLM	Standard	5/4/2021
A-42	Plaster	PLM	Standard	5/4/2021
A-43	Plaster skim coat - over masonry	PLM	Standard	5/4/2021
A-44	Plaster - over masonry	PLM	Standard	5/4/2021
A-45	Plaster	PLM	Standard	5/4/2021

Relinquished By:	[signature]	Date/Time:	5/4/2021 15:48:07
Received By:	[signature]	Date/Time:	5/4/21 16:05
Relinquished By:	[signature]	Date/Time:	5/4/21 16:06
Received By:		Date/Time:	

Lab Recipient: Yodit Mazengia Date/Time: 5/4/21 4:00pm Method of Shipment: Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive
Atlanta,GA 30340
Tel :(770) 457-8177
Fax:(770) 457-8188

Bulk Sample Summary Report

NVLAP TESTING
NVLAP LAB CODE 102082-0

Report Date: 12-May-21

Client Name: **United Consulting Group Inc.**
AES Job Number: **2105464**
Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-01 Layer: 1	2105464-001A	WINDOW GLAZING - ADDITION 1	ND	ND	ND	ND	ND	ND	
A-02 Layer: 1	2105464-002A	WINDOW GLAZING - ADDITION 1	ND	ND	ND	ND	ND	ND	Paint included as binder
A-03 Layer: 1	2105464-003A	DOOR CAULK - ADDITION 1	ND	ND	ND	ND	ND	ND	Paint included as binder
A-04 Layer: 1	2105464-004A	DOOR CAULK - ADDITION 1	ND	ND	ND	ND	ND	ND	Paint included as binder
A-07 Layer: 1	2105464-005A	FIBER CEMENT SIDING	15	ND	ND	ND	ND	ND	Siding. Paint included as binder
A-06 Layer: 1	2105464-006A	FIBER CEMENT SIDING	15	ND	ND	ND	ND	ND	Siding. Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite
For comments on the samples, see the individual analysis sheets.
ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.
These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.
PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

Microanalyst: Svetlana Arkhipov

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive
Atlanta,GA 30340
Tel :(770) 457-8177
Fax:(770) 457-8188

Bulk Sample Summary Report

NVLAP TESTING
NVLAP LAB CODE 102082-0

Report Date: 12-May-21

Client Name: **United Consulting Group Inc.**
AES Job Number: **2105464**
Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-08 Layer: 1	2105464-007A	TAR PAPER	ND	ND	ND	ND	ND	ND	
A-05 Layer: 1	2105464-008A	WINDOW GLAZING, KITCHEN	ND	ND	ND	ND	ND	ND	Paint included as binder
A-09 Layer: 1	2105464-009A	TAR PAPER	ND	ND	ND	ND	ND	ND	
A-10 Layer: 1	2105464-010A	TAR PAPER, ADDITION 1	ND	ND	ND	ND	ND	ND	
A-11 Layer: 1	2105464-011A	TAR PAPER, ADDITION 1	ND	ND	ND	ND	ND	ND	
A-12 Layer: 1	2105464-012A	WINDOW GLAZING	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite
For comments on the samples, see the individual analysis sheets.
ND = None Detected

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-13 Layer: 1	2105464-013A	WINDOW GLAZING, ADDITION 2	2	ND	ND	ND	ND	ND	Paint included as binder
A-14 Layer: 1	2105464-014A	WINDOW CAULK, WHITE/BLUE	5	ND	ND	ND	ND	ND	Paint included as binder
A-15 Layer: 1	2105464-015A	WINDOW CAULK, WHITE/BLUE	5	ND	ND	ND	ND	ND	Paint included as binder
A-16 Layer: 1	2105464-016A	ROOFING SHINGLE	ND	ND	ND	ND	ND	ND	
A-17 Layer: 1	2105464-017A	ROOFING SHINGLE	ND	ND	ND	ND	ND	ND	
A-18 Layer: 1	2105464-018A	CEILING TEXTURE	ND	ND	ND	ND	ND	ND	Paint included as binder

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For comments on the samples, see the individual analysis sheets.
ND = None Detected

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QC Analyst: Yelena Khanina

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Fax:(770) 457-8188

Bulk Sample Summary Report

NVLAP TESTING
NVLAP LAB CODE 102082-0

Report Date: 12-May-21

Client Name: **United Consulting Group Inc.**
AES Job Number: **2105464**
Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-18 Layer: 2	2105464-018A	CEILING TEXTURE	ND	ND	ND	ND	ND	ND	
A-19 Layer: 1	2105464-019A	CEILING TEXTURE	ND	ND	ND	ND	ND	ND	Paint included as binder
A-19 Layer: 2	2105464-019A	CEILING TEXTURE	ND	ND	ND	ND	ND	ND	
A-20 Layer: 1	2105464-020A	12X12 FT, GREEN	ND	ND	ND	ND	ND	ND	Floor tile
A-21 Layer: 1	2105464-021A	12X12 FLOOR TILE, GREEN	ND	ND	ND	ND	ND	ND	Floor tile
A-22 Layer: 1	2105464-022A	12X12 FLOOR TILE, RED	ND	ND	ND	ND	ND	ND	Floor tile

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Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-23 Layer: 1	2105464-023A	12X12 FLOOR TILE, RED	ND	ND	ND	ND	ND	ND	Floor tile
A-24 Layer: 1	2105464-024A	DRYWALL TAPE	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-24 Layer: 2	2105464-024A	DRYWALL TAPE	2	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-24 Layer: 3	2105464-024A	DRYWALL TAPE	ND	ND	ND	ND	ND	ND	Drywall tape
A-25 Layer: 1	2105464-025A	DWSC	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-25 Layer: 2	2105464-025A	DWSC	ND	ND	ND	ND	ND	ND	

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NVLAP LAB CODE 102082-0

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Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-25 Layer: 3	2105464-025A	DWSC	ND	ND	ND	ND	ND	ND	
A-26 Layer: 1	2105464-026A	DWSC	ND	ND	ND	ND	ND	ND	Drywall tape. Paint included as binder
A-26 Layer: 2	2105464-026A	DWSC	ND	ND	ND	ND	ND	ND	Wallboard
A-27 Layer: 1	2105464-027A	12X12 FLOOR TILE, DARK GREEN	ND	ND	ND	ND	ND	ND	Floor tile
A-28 Layer: 1	2105464-028A	12X12 FLOOR TILE, DARK GREEN	ND	ND	ND	ND	ND	ND	Floor tile
A-29 Layer: 1	2105464-029A	12X12 FLOOR TILE, YELLOW	ND	ND	ND	ND	ND	ND	Floor tile

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Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-30 Layer: 1	2105464-030A	12X12 FLOOR TILE, YELLOW	ND	ND	ND	ND	ND	ND	Floor tile
A-31 Layer: 1	2105464-031A	DWSC W/CEILING TEXTURE	ND	ND	ND	ND	ND	ND	Texture. Paint included as binder
A-31 Layer: 2	2105464-031A	DWSC W/CEILING TEXTURE	ND	ND	ND	ND	ND	ND	
A-31 Layer: 3	2105464-031A	DWSC W/CEILING TEXTURE	ND	ND	ND	ND	ND	ND	
A-32 Layer: 1	2105464-032A	DWSC	ND	ND	ND	ND	ND	ND	Drywall tape
A-32 Layer: 2	2105464-032A	DWSC	ND	ND	ND	ND	ND	ND	Wallboard

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ND = None Detected

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Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-33 Layer: 1	2105464-033A	JOINT COMPOUND	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-34 Layer: 1	2105464-034A	JOINT COMPOUND	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-35 Layer: 1	2105464-035A	JOINT COMPOUND	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-36 Layer: 1	2105464-036A	12X12 FLOOR TILE, TAN	ND	ND	ND	ND	ND	ND	Floor tile
A-36 Layer: 2	2105464-036A	12X12 FLOOR TILE, TAN	ND	ND	ND	ND	ND	ND	Glue
A-37 Layer: 1	2105464-037A	JOINT COMPOUND	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder

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Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-38 Layer: 1	2105464-038A	DWSC	ND	ND	ND	ND	ND	ND	Joint compound. Paint included as binder
A-38 Layer: 2	2105464-038A	DWSC	ND	ND	ND	ND	ND	ND	
A-38 Layer: 3	2105464-038A	DWSC	ND	ND	ND	ND	ND	ND	
A-39 Layer: 1	2105464-039A	PLASTER SKIM COAT	ND	ND	ND	ND	ND	ND	Paint included as binder
A-39 Layer: 2	2105464-039A	PLASTER SKIM COAT	ND	ND	ND	ND	ND	ND	
A-40 Layer: 1	2105464-040A	PLASTER	ND	ND	ND	ND	ND	ND	

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Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-41 Layer: 1	2105464-041A	PLASTER SKIM COAT	ND	ND	ND	ND	ND	ND	Paint included as binder
A-42 Layer: 1	2105464-042A	PLASTER	ND	ND	ND	ND	ND	ND	Paint included as binder
A-42 Layer: 2	2105464-042A	PLASTER	ND	ND	ND	ND	ND	ND	
A-43 Layer: 1	2105464-043A	PLASTER SKIM COAT - OVER MASONRY	ND	ND	ND	ND	ND	ND	Paint included as binder
A-43 Layer: 2	2105464-043A	PLASTER SKIM COAT - OVER MASONRY	ND	ND	ND	ND	ND	ND	
A-44 Layer: 1	2105464-044A	PLASTER - OVER MASONRY	ND	ND	ND	ND	ND	ND	Paint included as binder

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Project Name: **40 OAK**
Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
A-44 Layer: 2	2105464-044A	PLASTER - OVER MASONRY	ND	ND	ND	ND	ND	ND	
A-45 Layer: 1	2105464-045A	PLASTER	ND	ND	ND	ND	ND	ND	Paint included as binder
A-45 Layer: 2	2105464-045A	PLASTER	ND	ND	ND	ND	ND	ND	

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End of Report

APPENDIX C

Asbestos Notification Requirements

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Georgia Asbestos Project Notifications – Just the Basic Facts

Inspections and Disposal Information

Do I Need an Inspection? For demolition, yes. For renovation/abatement, yes, unless the suspect material is assumed to be asbestos-containing material (ACM) and is handled as such. You cannot assume any suspect material to be non-asbestos-containing. Inspections need to occur in buildings of any construction age.

Removal: Any ACM found that is friable or will become friable must first be removed by a Licensed Asbestos Abatement Contractor. A Project Notification must be submitted to the GA EPD if 10 square feet or 10 linear feet or more of ACM is removed.

Disposal: All ACM (friable and non-friable) waste must be packaged properly in leak-tight containers, labeled, transported in an enclosed vehicle and disposed of in a landfill permitted to accept ACM waste. Disposal rules apply at any quantity.

Abatement, Encapsulation, Renovation, Blanket and Completion Notifications

- **Renovation/Abatement Only***: Where the project only involves the removal and disposal of ACM. "Renovation" means the altering of, taking out, stripping, clean up, disposal of, or removal of 10 square feet or 10 linear feet or more of friable or potentially friable ACM from any facility, facility component or residential dwelling.
- **Renovation/Abatement Prior to Demolition***: Removal/abatement of friable ACM equal to or greater than 10 square feet or 10 linear feet in preparation for demolition activities to be performed after abatement. Notification for demolition projects must be submitted by the contractor performing those activities. If demolition activities are performed after renovation/abatement activities, please submit a separate PROJECT NOTIFICATION FOR DEMOLITION PROJECTS.
- **Encapsulation***: A project in which special coatings approved for asbestos encapsulation will be used to cover the ACM and prevent release of asbestos fibers. "Encapsulation" means the process of coating, binding, or resurfacing walls, ceilings, pipes, or other structures with a sealant to prevent friable asbestos from becoming airborne.
- **Blanket:** Solely for use on single large facilities where multiple small abatement projects (less than 160 square feet, 260 linear feet, or 35 cubic feet of friable ACM) are to be conducted, but where the total amount of abatement work will exceed these parameters. Effective for one calendar year (January through December). A separate 10-day project notification and fee must be submitted when any single project exceeds the parameters.
- **Completion:** To be submitted once the removal/abatement or encapsulation work is complete.

*** SUBMIT NOTIFICATION 10 WORKING DAYS BEFORE START OF PROJECT**

Residential fee: $0.10 per LF/SF ($25 min - $50 max)
Non-Residential fee: $0.10 per LF/SF ($25 min - $1000 max)

Courtesy Notifications

- **Courtesy:** Where the project involves removal/abatement, disturbance or encapsulation of non-friable ACM, less than 10 square feet or 10 linear feet of friable ACM or any quantity of ACM work being performed by the legal owner of the property. If demolition activities are performed after abatement/removal activities, please submit a separate PROJECT NOTIFICATION FOR DEMOLITION PROJECTS.

No Fee

Demolition Notifications

- **Demolition Only*:** Where the project only entails demolition of any structure that has been thoroughly inspected for the presence or absence of asbestos. "Demolition" means the wrecking or taking out of any load supporting structural member of a facility together with related handling operations, or the intentional burning of any structure.
  - ◊ **A demolition notification is required regardless of the presence or absence of ACM.** For joint Renovation/ Demolition Projects or Renovation/Abatement Prior To Demolition Projects, please submit the demolition notification AND a separate project notification for the asbestos abatement, encapsulation, and/or renovation.
- **Ordered Demolition:** A demolition project ordered by a government agency. If the property has been condemned, the Order of Condemnation must be included with the project notification.

*** SUBMIT NOTIFICATION 10 WORKING DAYS BEFORE START OF PROJECT**

No Fee

How to Submit Notifications:
You must create a Georgia EPD Online System (GEOS) account: https://geos.epd.georgia.gov/ga/geos/public.

Need Help Creating Your GEOS Account?
For a step-by-step guideline, visit: https://epd.georgia.gov/asbestos.

Contact Us: Duty officer line 404-363-7026 available Mon-Fri 8:00am - 4:30pm or https://epd.georgia.gov/asbestos.

Disclaimer: If you or your firm perform renovation or repair work, including ASBESTOS ABATEMENT, on target housing (built before 1978) OR child-occupied facilities (built before 1978), then you and your firm are required to become a GA-Certified RRP Firm & Renovator to "advertise to, agree to or perform" work or services on these types of facilities. See Georgia's Lead Renovation, Repair and Painting (RRP) Rule for more detail.