

Pre-Demolition Asbestos Containing Building Materials Survey

Subject Site
3200 Palomino Drive
Powder Springs, GA 30127



Prepared For
City of Powder Springs
4484 Marietta St
Powder Springs, GA 30127

Prepared By
Environmental Associates, Inc.
270 Hollyridge Drive
Roswell GA 30076

Issue Date
June 02, 2022

INTRODUCTION

Environmental Associates, Inc. (EAI) has completed the pre-demolition asbestos containing building materials survey at the residential type structure located at **3200 Palomino Drive, Powder Springs, GA 30127 (subject site)**.

The site field work was carried out on May 27, 2022. The field work and sampling activities were completed by Mr. Jeff Giles, Senior Industrial Hygienist, accredited asbestos in buildings inspector.

The objective of the asbestos survey was to identify known or suspect asbestos containing materials (ACM) present at the subject site. The Georgia Environmental Protection Division (GEPD) considers all building materials with an asbestos content of more than 1% to be Regulated Asbestos Containing Material (RACM). All RACM potentially impacted by demolition or renovation should be removed and disposed of by a licensed asbestos abatement contractor. Furthermore, all removed RACM should be disposed of in a landfill permitted to accept asbestos containing materials.

GENERAL LIMITATIONS

The suspect ACM survey was conducted using standard engineering and scientific judgment, principles, and practices. The survey is based on the observations recorded by the auditor during the site survey. The survey is a partially invasive assessment limiting damage to the site structure and working systems. Findings, therefore, are limited to those items that could be directly observed.

Please note that this document is not a specification for asbestos removal. It does not contain means and methods for abatement. Contractors or bid specification contractors must determine the asbestos amount prior to abatement bidding or ACM removal.

Visually identified suspect materials were sampled to represent conditions of accessible building space. There remains a possibility that ACMs are present that were undetected or inaccessible during the site visit. Furthermore, mechanical apparatus or equipment within the structures was not disassembled. There may be additional suspect materials enclosed or concealed in locations inaccessible at the time of the survey. Precautions should be taken during any demolition or renovation activity to identify building materials, which may be disturbed or uncovered to avoid an asbestos exposure hazard.

METHODOLOGY

A total of five **(05)** samples of suspect asbestos containing building materials (ACBMs) were collected from the subject site.

The suspect building material samples were submitted to **Analytical Environmental Services, Inc.** The samples were analyzed using Polarized Light Microscopy (PLM) coupled with Dispersion Staining as detailed in the United States Environmental Protection Agency's (EPA) "Interim Method for the Determination of Asbestos in Material Insulation Samples" (EPA-600/R-93/116 Method).

SUMMARY OF ASBESTOS CONTAINING MATERIALS & ESTIMATED QUANTITIES

ACBM	Description/Location	% ACM	Est. Quant.
<i>Vinyl Floor Backing</i>	<i>Vinyl Floor Backing-Entry foyer and basement stairwell</i>	<i>45 %</i>	<i>50 SF</i>

Determination of the actual quantities of ACBMs should be made by the abatement contractor

Care should be taken during any demolition or renovation activity to identify building materials, which may be disturbed or uncovered. In addition, there may be additional suspect materials enclosed or concealed in locations inaccessible at the time of the survey.

The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations (40 CFR 61 (M)) require that regulated asbestos-containing materials (RACM) be properly removed prior to any demolition or renovation activity, which may disturb them. The EPA NESHAP regulations define RACM as "(a) Friable ACM, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subject to sanding, grinding, cutting or abrading, or (d) Category II non-friable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on the material during demolition or renovation operations."

Materials that contain less than one (1) percent asbestos are not currently subject to EPA regulations. However, it should be noted that the disturbance of these materials might be subject to regulations issued by the U.S. Occupational Safety and Health Administration (OSHA). Such a disturbance may elevate the concentration of airborne fibers above the permissible exposure limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) of air, measured as an eight-hour time weighted average (TWA), or the 30-minute short term excursion limit (STEL) of 1.0 f/cc. Recent revisions to the OSHA regulations require that all surfacing materials, thermal system insulation materials, and resilient flooring installed “no later than 1980” be considered as presumed asbestos-containing materials (PACM) and treated accordingly.

Furthermore, OSHA has implemented the final rule for occupational exposure to asbestos to include regular building maintenance operations and custodial activities, which may disturb identified asbestos-containing materials or presumed asbestos-containing materials. To rebut the designation of installed materials as PACM, OSHA requires the sampling of suspect material to be performed in accordance with 40 CFR 763 (E) issued by the EPA under the Asbestos Hazard Emergency Response Act of 1986 (AHERA). The AHERA regulations establish asbestos identification and management requirements for schools, grades K through 12. The recent OSHA revisions also include specific notification and engineering control procedures.

A complete copy of all sample information and analysis results has been included for your reference. Please do not hesitate to contact us at 770 891 0484 if you have any questions or concerns regarding this matter.

Respectfully,



Jeff Giles
Senior Industrial Hygienist
770-891-0484
gilesjeff@live.com

LABORATORY DATA

**CHAIN OF CUSTODY
 BULK ASBESTOS ANALYSIS**

Client Name: Giles Consulting Project Name: 3200 Palamino Dr.
 Address: 8905 Brookwood Project Number: _____
 City, State, Zip: Sandy Sp GA 30350 Sampling Date: 05 27 22
 Contact: _____ Phone #: _____
 Sampler's Name: _____ Invoice To Name(s): _____
 Report To: _____ Invoice To Email(s): _____
 Report to Email: _____ PO #: _____

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time (TAT)	Comments
1	DWFL - Main - Bathroom	PLM	24'	
2	1 Basement			
3	SV - Main Bathroom			
4	SV - Entry Foyer			
5	FT - 12x12 Basement			
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Relinquished by: [Signature] Date/Time: 05 28 22 1030
 Received by: Farouza Noman Date/Time: 5/28 1031
 Relinquished by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT.

Asbestos COC7.15.19

FOR LAB USE ONLY
 Lab Recipient: Farouza Noman Date/Time: 5/28 10:31 Method of Shipment: Client



Bulk Sample Summary Report



Report Date: 1-Jun-22

Client Name: Giles Consulting Services	AES Job Number: 2205W08
Project Name: 3200 PALAMINO DR	Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
01 Layer: 1	2205W08-001A	SEE COC	ND	ND	ND	ND	ND	ND	Paint included as binder
01 Layer: 2	2205W08-001A	SEE COC	ND	ND	ND	ND	ND	ND	
01 Layer: 3	2205W08-001A	SEE COC	ND	ND	ND	ND	ND	ND	
02 Layer: 1	2205W08-002A	SEE COC	ND	ND	ND	ND	ND	ND	Paint included as binder
02 Layer: 2	2205W08-002A	SEE COC	ND	ND	ND	ND	ND	ND	
02 Layer: 3	2205W08-002A	SEE COC	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite
 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.
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Microanalyst:

Penka Topuzova

QC Analyst:

Yelena Khanina



Bulk Sample Summary Report



Report Date: 1-Jun-22

Client Name: Giles Consulting Services	AES Job Number: 2205W08
Project Name: 3200 PALAMINO DR	Project Number:

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
03 Layer: 1	2205W08-003A	SEE COC	ND	ND	ND	ND	ND	ND	Vinyl
03 Layer: 2	2205W08-003A	SEE COC	ND	ND	ND	ND	ND	ND	Backing with glue
04 Layer: 1	2205W08-004A	SEE COC	45	ND	ND	ND	ND	ND	Backing with glue
05 Layer: 1	2205W08-005A	SEE COC	ND	ND	ND	ND	ND	ND	Vinyl
05 Layer: 2	2205W08-005A	SEE COC	ND	ND	ND	ND	ND	ND	Glue

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Microanalyst:

Penka Topuzova

QC Analyst:

Yelena Khanina

**ASBESTOS IN BUILDINGS INSPECTOR
CERTIFICATE**

Asbestos Consulting & Training Systems

2835 N.W. 12TH AVENUE, Fort Lauderdale, Florida 33311

This is to Certify that
Jeffrey T Giles

8905 Buckhorn, Sandy Springs, GA 30350



X X X - X X - 7 9 B I

Processed By:



has successfully completed an English

Asbestos Building Inspection Refresher

19-Nov-21 TO 19-Nov-21

and has completed the requisite training for TSCA

Meets state requirements of FL-49-0001020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451 Trainer(s): James F. Stump

Training Address: 5891 New Peachtree Rd. Ste. 122 Doraville, GA, 30095

Successful course completion based on exam score on: 19-Nov-21

This Certificate Expires:

19-Nov-22



1 1 / 1 9 / 2 2

James F. Stump, Course Sponsor
Certificate Number: 1 8 7 7 3 7

Course Number: GE2147

