

REPORT OF ASBESTOS SURVEY

Atlanta, Georgia 30316



Date: March 5, 2013

Prepared for: [REDACTED], LLC

Prepared by: Southern Demolition and Environmental

Southern Demolition, LLC
d/b/a Southern Demolition and Environmental
2497 Edwards Drive, Atlanta, Georgia 30318
Direct: 404-931-1173 Fax: 1-888-501-7774

March 5, 2013

Subject: Report of Asbestos Survey
[REDACTED]
Atlanta, Georgia 30316

Southern Demolition and Environmental has completed the survey for asbestos containing materials at the residence located at [REDACTED], Atlanta, Georgia 30316. This report includes a brief background of the project, the survey procedures, the laboratory results, and recommendations concerning asbestos containing materials (ACM) and presumed asbestos containing materials (PACM) identified during the survey, if any. This report has been prepared on behalf of and exclusively for the owner representative, [REDACTED].

PROJECT INFORMATION

According to DeKalb County Tax Records, the single family residence is a three bedroom, one bath located at [REDACTED], Atlanta, Georgia 30316 was built in 1925 with a screened porch.

ASBESTOS CONTAINING MATERIALS SURVEY

Southern Demolition and Environmental was retained to perform an asbestos survey in order to meet the asbestos sampling and reporting requirements of the U.S. Occupational Safety and Health Administration (OSHA), and the U.S. Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPS) regulations pertaining to the potential demolition activities planned for the outbuilding property at [REDACTED], Atlanta, Georgia 30316.

Matt Ragsdale, EPA/MAP Asbestos Hazard Emergency Response Act (AHERA) accredited Inspector (Certificate #13109) performed a survey February 11, 2013. A copy of the inspector's accreditation certificate is provided in Appendix C.

SAMPLING AND ANALYSIS

The EPA and OSHA have published regulations, guidelines, and recommendations regarding inspection and sampling for ACM. These regulations, guidelines, and recommendations were adhered to as appropriate.

Our services included a visual survey of damaged and accessible portions of the interior and exterior areas of the building. The visual survey consisted of a walk-through of the accessible areas to identify, inventory, and assess materials suspected to contain asbestos (suspect materials). Suspect materials were grouped based on material homogeneity. A homogeneous material is one that appears to be uniform in texture, color, and wear, and appears to have been applied or installed during the same time period.

Following the visual survey, representative bulk samples were collected of homogeneous suspect materials. The sample locations were generally chosen at random. A total of nineteen samples, some with multiple layers, were collected from the building.

The bulk samples obtained from the Project Site were tested for detectable concentrations of asbestos using Polarized Light Microscopy (PLM) and dispersion oil staining. The testing method used was performed in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, July 1993." Bulk sample testing was performed by Carolina Environmental, Inc. The laboratory results of the PLM analysis are presented in Appendix B.

Asbestos identification was achieved by examining the morphology and optical properties of the sampled material. Optical properties include the color under dispersion staining, birefringence, extinction characteristics, and Sign and Elongation. Quantification was obtained by visual estimation. The PLM methods may be used for the analysis of samples containing from 0 to 100 percent asbestos. The lower limit of detection is less than 1 percent and the upper detection limit is 100 percent. Results are reported as percent of asbestos by type, (e.g. Amosite, Chrysotile, Crocidolite, etc.).

CONCLUSIONS AND RECOMMENDATIONS

Based on the site observations, sampling and analysis, the following suspect items were designated as Asbestos Containing Materials (materials found to contain asbestos in concentrations greater than the regulatory threshold of 1%) or Presumed Asbestos Containing Materials:

- Drywall Systems Materials located on some Ceilings & Walls throughout - Approximately 800 SF
- Textured Ceiling located in Living Room - Approximately 150 SF
- Flooring located in Kitchen and Hallway- Approximately 175 SF

Appendix A, "Summary of Asbestos Containing Material and Results" includes material descriptions, locations, and conditions. Appendix B includes the "Chain of Custody" and the laboratory results. Appendix C, "Certifications", includes the current inspector certificate.

We understand that the Project Site is scheduled for demolition activities, which may disturb non-friable and friable asbestos containing materials. To maintain general compliance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP) and with the Georgia Environmental

Protection Division regulations, Southern Demolition and Environmental recommends that any identified asbestos containing materials be properly removed and disposed of prior to being disturbed by the demolition. The removal of the asbestos containing materials should be performed by a qualified, licensed abatement contractor using properly trained personnel, wet methods and proper fiber control procedures.

LIMITATIONS

This report is an instrument of service of Southern Demolition and Environmental. It was prepared for and intended for the exclusive use of the owner of the property or the owner's representative. The report's contents may not be relied upon by any other party other than the owner, without the express written permission of Southern Demolition and Environmental.

In performing this site assessment, Southern Demolition and Environmental has endeavored to observe that degree of care and skill generally exercised by other consultants undertaking similar scope and services at the same time, under similar circumstances and conditions, and in the same geographical area. No other warranty is expressed or implied.

In reading this report you will note that the laboratory result analysis was provided by others. We assume this information to be correct and reliable. Southern Demolition and Environmental assumes no responsibility for this information provided by others, whether they are under contract with Southern Demolition and Environmental or not. Be aware that Southern Demolition and Environmental cannot state that the site contains no other hazardous or toxic materials, or other latent conditions, beyond those noted by its personnel during performance of this survey and disclosed within this report. We also point out that our findings apply only to the time during which the individual components of this survey were performed.

Various area of the building (wall cavities, upper floors, basement areas, utility chases, boiler room, roof, etc.) may have been inaccessible during the survey efforts and may contain unreported asbestos-containing materials. If any suspect materials not addressed in this survey are encountered during demolition or renovation, samples of these materials should be collected by and AHERA accredited asbestos building inspector and analyzed to determine asbestos content.

We appreciate the opportunity to assist you with this project. Please contact my office if you have any questions or require additional assistance.

Gina Ragsdale

Gina Ragsdale
Southern Demolition and Environmental
AHERA Accredited Inspector #13516, Expires 10/13/2013

Appendix A
Summary of Asbestos Containing Material and Results

Includes material descriptions, locations, condition and results.

SAMPLE ID#	DESCRIPTION	LOCATION	F/NF	COND	Results
1	Shingle	Bottom Layer Roof	N/A	N/A	NAD
2	Shingle	Mid Layer Roof	N/A	N/A	NAD
3	Shingle	Top Layer Roof	N/A	N/A	NAD
4	Plaster	Living Room	N/A	N/A	NAD
5	Plaster	Right Rear Bedroom	N/A	N/A	NAD
6	Plaster	Kitchen	N/A	N/A	NAD
7	Drywall Systems Materials	Bathroom Wall	N/A	N/A	NAD
8	Drywall Systems Materials	Mid Bedroom Ceiling	F	FAIR	2% Chrysotile
9	Drywall Systems Materials	Kitchen Ceiling	N/A	N/A	NAD
10	Textured Ceiling	Dining Room	N/A	N/A	NAD
11	Textured Ceiling	Living Room	N/A	N/A	NAD
12	Textured Ceiling	Mid Bedroom	F	FAIR	2% Chrysotile
13	Carpet w/glue	Right Rear Bedroom Floor	N/A	N/A	NAD
14	Flooring	Kitchen Bottom Layer	N/A	N/A	NAD
15	Flooring	Kitchen Layer 2	N/A	N/A	NAD
16	Flooring	Kitchen Layer 3	F	FAIR	25% Chrysotile
17	Flooring	Kitchen Layer 4	N/A	N/A	NAD
18	Flooring/Vinyl	Bathroom Floor	N/A	N/A	NAD
19	Window Glazing	Windows	N/A	N/A	NAD

NAD - No Asbestos Detected; PACM - Presumed Asbestos Containing Material; F-Friable; NF-Non Friable