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770.536.5220 phone ♦ office@southerngeotech.com

Geotechnical Engineering ♦ Special Inspections ♦ CMT ♦ Environmental Services

MEMO

To: Mr. Kevin Hamby

From: Rodney Clark

Date: April 5, 2016

Re: Haralson Memorial Civic Center Roof Asbestos Survey
SGC Project No 11438G, Report No. 41272

1.0 EXECUTIVE SUMMARY

Southern Geotechnical Consultants, LLC (SGC) has completed the Asbestos Survey of the roof structure of the Haralson Memorial Civic Center located at 165 Wellborn Street, hereinafter referred to as the Project Site. The Project Site is located at 165 Wellborn Street, in Blairsville, Georgia. The results from the survey and testing activities are briefly summarized below. This summary cannot be used by itself for planning, design or construction/renovation. The necessary information is included within the body of this report.

- Seven samples of representative suspect asbestos-containing built-up roofing materials were collected from the Project Site. From the samples collected, individual samples were tested for asbestos using Polarized Light Microscopy (PLM). Of the samples tested, none were found to contain asbestos.
- To maintain general compliance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP) and with the Georgia Environmental Protection Division regulations, Southern Geotechnical Consultants, LLC recommends that any identified asbestos-containing materials be properly removed and disposed of prior to being disturbed by the planned demolition.
- In the unlikely event that inaccessible, suspect asbestos-containing materials are encountered within previously inaccessible building areas (wall cavities, columns, etc.) at the time of demolition or renovation, Southern Geotechnical Consultants, LLC should be contacted and proper samples of the suspect materials should be collected and submitted for testing, prior to initiating activities which could disturb these materials and potentially result in asbestos fiber release.

2.0 INTRODUCTION

Southern Geotechnical Consultants, LLC was retained by CHA Companies to perform an asbestos survey of the roof structure of the Haralson Memorial Civic Center, located at 165 Wellborn Street, in Blairsville, Georgia. The following report summarizes the results of the survey performed on March 28, 2016 by Mr. Rodney Clark; Environmental Scientist with Southern Geotechnical Consultants, LLC. Mr. Clark is an accredited Asbestos Inspector in accordance with the Asbestos Hazard Emergency Response Act (AHERA), Inspector Certificate Number 15419.

3.0 PROJECT INFORMATION

The Project Site consisted of one commercial structure originally constructed in the early 1960's and renovated and re-roofed several times over the years with several additions and modification through the years. The building is concrete masonry unit (CMU) and steel framed with dry wall interior walls, ceiling tile ceilings and concrete slab on grade with floor coverings of floor tile and associated mastics. The window systems consist of glass held in place by metal components. The roofing systems built-up asphaltic roofing over metal decking.

4.0 SURVEY METHODS

4.1 Field Methods for Asbestos Survey

The asbestos survey involved several distinct steps. The following survey protocol was utilized:

1. Reviewing available information regarding date(s) of construction, previous renovations, and other pertinent information as appropriate;
2. Performing a brief walk through of the areas to be surveyed to evaluate the number of samples needed, access problems that were to be encountered, number and location of building occupants (if any), and level of personal protective equipment (PPE) and respiratory protection required for bulk sample collection activities;
3. Noting the locations of suspect asbestos-containing materials. Suspect materials were physically examined to evaluate whether the suspect materials were friable or non-friable;
4. Collection of bulk samples for testing. Bulk sample collection was performed in substantial conformance with the EPA document, "Guidance for Controlling Asbestos-Containing Materials in Buildings," EPA 1985. A random method was used to select sampling locations from each homogenous sampling area. A homogeneous area is defined as an area of suspect asbestos-containing material that is uniform in use, color, texture and age. Some sampling locations were selected in order to minimize damage to building finishes and to minimize disruption to the existing occupant. The procedures utilized for the actual collection of each bulk sample are described briefly below:
 - a) The field representative wore appropriate personal protective equipment;
 - b) The surface of the suspect material to be sampled was wetted with an amended water mist;

- c) The sample was extracted using a clean sampling tool. Care was taken to collect a representative portion of the suspect material down to the substrate;
- d) The sample container was sealed and labeled with a unique identification number which was also recorded on the sample data sheet and any drawings of the area; and
- e) Pertinent data was recorded including sampling number, approximate sample location, and other relevant information.

4.2 Laboratory Methods

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 the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82020, as amended). Bulk sample testing was performed by Material Analytical Services, Inc. (MAS), Suwannee, Georgia NVLAP ID No. 101235-0.

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 of Elongation. Quantification was obtained by visual estimation. The PLM method 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.). Additional information such as other fibrous and non-fibrous components is reported if noted in the sample.

5.0 FINDINGS

The survey results discussed below have been compiled by material location and material type (e.g. floor tile, roofing, etc.). Photocopies of the Laboratory Results and chain of custody sheets are included in the Appendix.

5.1 HARALSON MEMORIAL CIVIC CENTER ROOFING

5.1.1 Asphaltic Built-Up Roofing

SGC collected and tested seven bulk samples of suspect asbestos containing roofing and associated flashing materials from the structure. Of the samples collected none were found to contain asbestos.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Of the seven bulk samples collected from the structure, none were found to contain asbestos. A tabulation of the laboratory findings is attached in the appendix.

This survey is to document any suspect asbestos materials at the Project Site that normal operations could 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 Geotechnical Consultants, LLC recommends that any identified asbestos-containing materials be properly removed and disposed of prior to being disturbed by any demolition or renovation activities. 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.

In the event that suspect asbestos containing materials are encountered within previously inaccessible building areas (wall cavities, columns, etc.) at the time of demolition or renovation, Southern Geotechnical Consultants, LLC should be contacted and proper samples of the suspect materials should be collected and submitted for testing, prior to initiating activities which could disturb these materials and potentially result in an asbestos fiber release.

7.0 LIMITATIONS

This report is an instrument of service of Southern Geotechnical Consultants, LLC. It was prepared for and intended for the exclusive use of CHA Companies and their designees. The report's contents may not be relied upon by any party other than CHA Companies, without the express written permission of Southern Geotechnical Consultants, LLC.

In performing this site assessment, Southern Geotechnical Consultants, LLC has endeavored to observe that degree of care and skill generally exercised by other consultants undertaking a similar scope of 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 analysis was provided by others. We assume this information to be correct and reliable. Southern Geotechnical Consultants, LLC assumes no responsibility for information provided by others, whether they are under contract with Southern Geotechnical Consultants, LLC or not. Be aware that Southern Geotechnical Consultants, LLC 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. Also, we note that in the event that suspect asbestos containing materials are encountered within previously inaccessible building areas (wall cavities, columns, etc.) at the time of demolition or renovation, Southern Geotechnical Consultants, LLC should be contacted and proper samples of the suspect materials should be collected and submitted for testing, prior to initiating activities which could disturb these materials and potentially result in an asbestos fiber release.

ATLANTA
Corporate Headquarters
3945 Lakefield Court
Suwanee, GA 30024
(770) 866-3200 FAX (770) 866-3259



March 30, 2016



Rodney Clark
Southern Geotechnical Consultants
2660 White Sulphur Road
Gainesville, GA 30501

RE: PLM Sample Analysis
Blairsville Civic Center
Blairsville Civic Center



Dear Mr. Clark:

Enclosed is a summary and the analysis of the 7 samples which were delivered to MAS, LLC. on March 29, 2016. It was requested that we analyze these samples using polarized light microscopy (PLM) to determine the percentage of asbestos.



The samples were analyzed in accordance with EPA document 600/R-93/116, 'Method for the Determination of Asbestos in Bulk Building Materials' and/or EPA document 600/M4-82-020, 'Interim Method for the Determination of Asbestos in Bulk Insulation Samples'. These analysis results relate only to the specific items analyzed. Any partial reproduction of the Bulk Analysis Report may not be made without the consent of MAS, LLC. This report may not be used to imply product endorsement or certification by MAS, LLC., the National Voluntary Laboratory Accreditation Program, EPA, or the U.S. Government.



Materials Analytical Services appreciates this opportunity to have been of service to you. We look forward to working with you on future projects.

Sincerely,



Enc. M64045



MAS, LLC
 3945 LAKEFIELD COURT
 SUWANEE, GA 30024
 (770) 866-3200

Client: Southern Geotechnical Consultants
 Job Name: Blairsville Civic Center
 Job Number: Blairsville Civic Center

Reviewer: _____

Summary of Results of analysis by Polarized Light Microscopy (PLM)

CLIENT #	MAS ID # - SPL #	COMMENTS	MATERIAL	ANALYSIS
R-1	M64045-001	X = Materials detected.	Built Up Roofing	NO ASBESTOS OBSERVED
R-2	M64045-002	X = Materials detected.	Built Up Roofing	NO ASBESTOS OBSERVED
R-3	M64045-003	X = Materials detected.	Built Up Roofing	NO ASBESTOS OBSERVED
R-4	M64045-004	X = Materials detected.	Built Up Roofing	NO ASBESTOS OBSERVED
R-5	M64045-005	X = Materials detected.	Roof Coating	NO ASBESTOS OBSERVED
R-6	M64045-006	X = Materials detected.	Roof Coating	NO ASBESTOS OBSERVED
R-7	M64045-007	X = Materials detected.	Roof Coating	NO ASBESTOS OBSERVED

The samples were analyzed in accordance with EPA document 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials" and/or EPA document 600/M4-82-020, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". The method detection limit is 1% unless otherwise stated. This report relates only to items tested as received, and may not be used to claim endorsement or certification by MAS, LLC, the National Voluntary Laboratory Accreditation Program, EPA, or the U.S. Government. This report may not be reproduced except in full without the approval of MAS, LLC, (NV/LAP Lab Code 101235-0).



The Environmental Institute

Rodney Clark

Social Security Number - XXX-XX-9787

Southern Geotechnical Consultants - 2660 White Sulphur Road - Gainesville, Georgia 30501

*Has completed 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

February 23, 2016

Course Date

15419

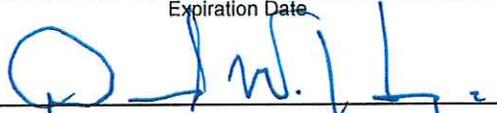
Certificate Number

February 23, 2016

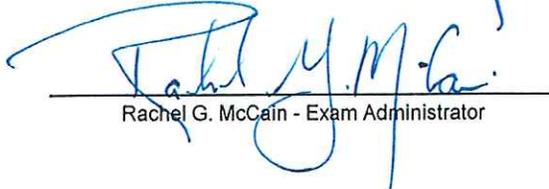
Examination Date

February 22, 2017

Expiration Date



David W. Hogue - Principal Instructor / Training Manager



Rachel G. McCain - Exam Administrator



(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 - 1841 West Oak Parkway, Suite F - Marietta, Georgia 30062 - (770) 427-3600 - www.tei-atl.com

Pam Hawkins

From: Hamby, Kevin <KHamby@chacompanies.com>
Sent: Tuesday, April 05, 2016 5:29 PM
To: Randy Smith; Pam Hawkins; Larry Garrett; Lamar Paris
Subject: Fwd: jrc-Blairsville Civic Center Asbestos Roof Survey
Attachments: Haralson Memorial Civic Center Asbestos Roof Survey.pdf

It looks like we caught a break...

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Rodney Clark <rclark@southerngeotech.com>
Date: 04/05/2016 5:18 PM (GMT-05:00)
To: "Hamby, Kevin" <KHamby@chacompanies.com>
Subject: jrc-Blairsville Civic Center Asbestos Roof Survey



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