AllPhase Companies, Incorporated

404-A St. Croix Trail North, Lakeland, MN 55043
Phone: 651-436-2930 Fax: 651-436-3918

December 21, 2011

Beth Ulrich
Project Manager
Dept. of Planning and Economic Development
1400 City Hall Annex, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey
656 Bush Avenue, St. Paul, MN
1596-11S-G2

Dear Ms. Beth Ulrich:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a demolition in order to identify asbestos-containing material (ACM). The following report contains the results of the survey performed at the above referenced site.

In summary, 13 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was **not detected the thirteen samples,** contained above 1% asbestos. Analysis results only represent building materials that were collected from the referenced building structure. Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations.

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. If suspect ACM is discovered during the work and is not listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

A. Collect bulk samples of suspect ACMs for laboratory analysis.
B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkins Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neopreneð black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

> According to §61.145 of NESHAPS, friable ACMs must be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friableð that is, Category I & II materialð due to damage or deteriorationð for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.
>
> Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

Rennie Smith, P.G.
Asbestos Inspector (#AI3119)

CAROLINA ENVIRONMENTAL, INC.
107 New Edition Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
ASBESTOS BULK ANALYSIS

AMENDED

Client: **AllPhase Companies, Inc.**
404-A St. Croix Trail, Nort
Lakeland , MN 55043

Project: 656 Bush Ave.; 1596-11S-G2

CEI Lab Code: A11-9680
Received: 12-14-11
Analyzed: 12-16-11
Reported: 12-16-11
Analyst: Megan Brooks

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
Bu-1	A1232139A	PLASTER SKIM COAT Heterogeneous, White, Non-fibrous, Bound PLAS 100 %	ND
	A1232139B	PLASTER BASE COAT Homogeneous, Grey, Non-fibrous, Bound PLAS 100 % HAIR <1 %	ND
Bu-2	A1232140	FLOORING Heterogeneous, Tan, Black, Fibrous, Bound VINYL 30 % CELL 40 % TAR 30 %	ND
Bu-3	A1232141	ROOF SHINGLE Heterogeneous, Black, Fibrous, Bound BIND 30 % CELL 30 % TAR 30 % GRAV 10 %	ND
Bu-4	A1232142A	TEXTURE Heterogeneous, White, Non-fibrous, Bound BIND 60 % CACO 30 % PAINT 10 %	ND
	A1232142B	SHEETROCK Heterogeneous, White, Tan, Fibrous, Bound GYPSUM 80 % CELL 20 %	ND

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Project: 656 Bush Ave.; 1596-11S-G2

Lab Code: A11-9680

AMENDED

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
Bu-5	A1232143	WINDOW GLAZING	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 90 %	
		PAINT 10 %	
Bu-6	A1232144A	TEXTURE	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 60 %	
		CACO 30 %	
		PAINT 10 %	
	A1232144B	PLASTER	ND
	Heterogeneous,	Tan, Non-fibrous, Bound	
		BIND 40 % CELL <1 %	
		SILI 60 %	
Bu-7	A1232145	TEXTURE	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 60 %	
		CACO 30 %	
		PAINT 10 %	
Bu-8	A1232146	SINK MATERIAL	ND
	Heterogeneous,	Off-white, Non-fibrous, Bound	
		BIND 90 %	
		PAINT 10 %	
Bu-9	A1232147	TEXTURE	ND
	Heterogeneous,	Off-white, Non-fibrous, Bound	
		BIND 60 %	
		PAINT 10 %	
		CACO 30 %	
Bu-10	A1232148	INSULATION	ND
	Heterogeneous,	Brown, Fibrous, Bound	
		DEBR 10 % CELL 95 %	

The following definitions apply to the abbreviations used in the ASBESTOS BULK ANALYSIS REPORT:

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	CACO = Calcium Carbonate	SILI = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
N D = None Detected	NTREM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite	FBGY = Fibrous Gypsum	RUBR =Rubber
		VER =Vermiculite

CLIENT: AllPhase Companies, Inc.

PROJECT: 656 Bush Ave.; 1596-11S-G2

CEI LAB CODE: A11-9680 **AMENDED**

Stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, Carolina Environmental, Inc. will discard all bulk samples after 30 days.

Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

It is certified by the signature below that Carolina Environmental, Inc. is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). Carolina Environmental, Inc.'s NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

ANALYST _____

REVIEWED BY _____

Tianbao Bai, Ph.D.
Laboratory Director

End of Report

A11.9680 (10)
A123 2139, A123 2148

CAROLINA ENVIRONMENTAL, INC.
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CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS

Pg 1 of 1

Client: AllPhase Companies, Inc.	**Project Manager:** David Jenkin
Address: 404-A St. Croix Trl N.	**Phone:** 651-436-2930
Lakeland, MN 55043	**Fax:** -3918
EMail: allphase.company@qwestoffice.net	
PO #: 656 Bush Ave.	

PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS: PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk	TEM Air	LEAD PAINT: Lead Paint (Field Test)	Lead Wipe	Lead Soil	Lead Air	Other Analysis
Small Lvg Quarters, 1st Fl., N Wall	Bu-1 Plaster	X										
" " " , 2nd Fl.	2 Flooring											
" " "	3 Roof shingle											
House, 1st Fl., Entryway/hall	4 Wall text./skt frk											
" "	5 Window glazing											
" " , Kitchen (N. end)	6 Ceil. text.											
" 2nd Fl., Bathrm (S. end)	7 Ceil. text.											
" " , Kitchen (N. end)	8 Sink insul.											
" " " (S. end)	9 Ceil. text.											
	10 Attic insul.											

TURN-AROUND TIME
Lead results require 48 Hour TAT or longer.

- ☐ 5 DAYS
- ☐ 3 DAYS
- ☒ 48 HOURS
- ☐ 24 HOURS*
- ☐ 4 HOURS*

CLIENT ID#
1596-115-G2

Samples will be disposed of 30 days after analysis, unless otherwise requested.

REMARKS:

Relinquished By: David Jenkin	**Date / Time:** 12/12/11	**Received By:** Kristy Preuitt	**Date / Time:** DEC 14 2011 1:00PM
Relinquished By:	**Date / Time:**	**Received By:**	**Date / Time:**