



Mr. Larry Henderson
Public Works Director
City of Gatlinburg
1230 Parkway East, P. O. Box 5
Gatlinburg, TN 37738

March 29, 2017

**Report of Building Asbestos Survey and
Paint Coating Sampling
Building at 226 Circle Dr.
Gatlinburg, Tennessee
PC&D Proposal PA-017-018**

Dear Mr. Henderson:

Professional Consulting & Development, Inc., (PC&D) has completed an asbestos survey and paint coating sampling at the subject site. This survey was conducted at your request and in general accordance with our Proposal PA-017-018 dated February 28, 2017. The purpose of the services was to identify, sample, and assess friable and non-friable asbestos containing materials (ACM) and lead-based paint (LBP) in the building on site.

Building Description

The building on the subject site is currently unoccupied, with portions having sustained fire damage. The building was reportedly constructed in the 1970s. Building plans were not available for our review prior to the survey.

The building is one-story structure pre-engineered steel building on a concrete slab on-grade foundation. The building has steel framed windows and steel doors. The roof over the building was not sampled during this survey, but visible portions were observed to be a standing seam metal roof. Interior finishes were observed consisting of plastic covered fiberglass insulation and wooden partitions. No operating HVAC systems were observed on the site. We understand the building is schedule for renovation, including removal of all interior finishes, metal siding and roofing, windows and doors.

Asbestos and Lead Surveys

The asbestos survey and paint coating sample collection were conducted by Mr. Eduardo J. Padron on March 21, 2017. Mr. Padron is a State of Tennessee Accredited Asbestos Management Planner.

Asbestos

The survey approach included a visual assessment of the building to locate, as far as practicable, suspect ACM. No suspect asbestos containing materials were observed in the building and no bulk materials samples were collected for laboratory analysis. PC&D is a State of Tennessee Accredited Asbestos Firm. Accreditation certificates for Mr. Padron and PC&D are provided in Appendix B.

Lead

Five (5) samples were collected and expressed mailed under chain-of-custody protocol to Accurate Analytical Testing, LLC located in Romulus, Michigan for laboratory analysis. Accurate Analytical is accredited by the Environmental Lead Laboratory Accreditation Program (ELLAP). The samples obtained were submitted for testing to determine if the paint coatings were lead-based paint (LBP). The samples were analyzed to determine LBP using flame atomic absorption spectrometry (AAS) by EPA Method SW 846, 7420 and 3050B.

Findings

Asbestos - Based on our observations, no suspect asbestos containing materials (ACM) were present in the building.

Lead Based Paint - Based on the analytical data from the samples collected, LBP was identified associated with one (1) of the bulk paint chip samples collected from the building. This bulk sample was collected from the paint coating on the window frame (see picture below). LBP is defined by the EPA (40 CFR Part 745) and HUD (24 CFR Part 35) as paint containing greater than 0.5% lead by weight as confirmed by paint chip laboratory analysis. Details regarding the location of each sample collected are provided in the Lead Chain of Custody and Certificate of Analysis report included in Appendix A.



Picture of window with LBP on frame

Recommendations

The LBP identified in the site building is well adhered and in good condition. This paint coating may remain in place during demolition. However, the demolition contractor and disposal facility should be made aware of the presence of this material for them to comply with any regulations regarding the handling and disposal of LBP that may apply to their activities.

If other suspect materials that are not referenced in this report are discovered or identified during renovation or demolition activities, PC&D recommends that the materials be sampled and analyzed to confirm the absence, presence and quantity of asbestos and/or lead prior to their disturbance. No further bulk sampling is recommended at this time for asbestos-containing materials or lead-based paint.

Please note that prior to the renovation of this building, a 10-Day Notification Form must be submitted to the Tennessee Department of Environment & Conservation. A copy of this report should be attached to the notification to provide a complete submission.

===

We appreciate the opportunity to have provided these services. If you have any questions relative to this report please contact Mr. Padron at 239.825.0044.

Sincerely,

Professional Consulting & Development, Inc.



Eduardo J. Padron
TN Accredited Asbestos Management Planner



Kenneth E. Johnson, Jr., P.G.
Principal

Attachments

Appendix A

Revised

Certificate of Analysis: Lead In Paint by EPA SW-846 7420 and 3050B*

Client : PC&D
 PO Box 52131
 KNOXVILLE, TN 37950

Attn : Ed Padron Email : ejpadron@gmail.com
 Phone : 239.825.0044 Fax :

AAT Project : 335056
 Sampling Date : 03/21/2017
 Date Received : 03/23/2017
 Date Analyzed : 03/24/2017
 Date Reported : 3/28/2017 7:23:57AM

Client Project : PA-017-018

Project Location : 226 Circle Dr Gatlinburg TN 37738

Lab Sample ID	Client Code	Sample Description	PPM	Result Lead (% by weight)	Calculated R L (% by weight)
3171604	1A	METAL SIDING COATING	1081	0.1081	0.0379
3171605	1B	METAL SIDING COATING	1158	0.1158	0.0087
3171606	1C	METAL SIDING COATING	616	0.0616	0.0556
3171607	2A	DOOR FRAME COATING	1088	0.1088	0.0368
3171608	2B	WINDOW FRAME COATING	8494	0.8494	0.0676

Analyst Signature



Ricky Perez

RL= Reporting Limit * For true values assume (2) significant figures. The method and batch QC is acceptable unless otherwise stated. Current EPA/HUD Interim Standard for lead in paint samples is: 5000 PPM (parts per million) or ug/g which is equivalent to 0.5% by weight. AAT internal sop S203. The laboratory operates in accord with ISO 17025 guidelines and holds limited scopes of accreditation under AIHA-LAP and NY State DOH ELAP programs. These results are submitted pursuant to AAT LLC current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. Analytical results relate to the samples as received by the lab. AAT will not assume any liability or responsibility for the manner in which the results are used or interpreted. Reproduction of this document other than in its entirety is not permitted. All Quality control requirements for the samples this report contains have been met. AAT does not blank correct reported values. Sample data apply only to items analyzed. *= Validated modified method

AIHA LAP- Lab ID #100986, NY State DOH ELAP -Lab ID #11864, State of Ohio- Lab ID # 10042

Date Printed: 03/28/2017 7:26AM

AAT Project: 335056





30105 Beverly Road
 Romulus, MI 48174
 Ph: 734-629-8161; Fax: 734-629-8431

To : PC&D
 PO Box 52131
 KNOXVILLE, TN 37950

Attn : Ed Padron

Email : ejpadron@gmail.com

Phone : 239.825.0044

Project Location : 226 Circle Dr Gatlinburg TN 37738

AAT Project : 335056
 Client Project : PA-017-018
 Date Reported : 3/28/2017 7:23:57AM

Sample	Client Code	Analysis Requested	Completed	Analyst
3171604	1A	Lead Paint	03/24/2017	Ricky Perez
3171605	1B	Lead Paint	03/24/2017	Ricky Perez
3171606	1C	Lead Paint	03/24/2017	Ricky Perez
3171607	2A	Lead Paint	03/24/2017	Ricky Perez
3171608	2B	Lead Paint	03/24/2017	Ricky Perez

Reviewed By

Quality Assurance Coordinator - Robert A Theys

Revision History

Job #	Sample	Revision Date	Revised By	Comment
335056	3171604	03/28/2017	Lauren Groff	client wants reported both ways

This report is intended for use solely by the individual or entity to which it is addressed. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify AAT immediately. Thank you.

AIHA LAP- Lab ID #100986. NY State DOH ELAP -Lab ID #11864. State of Ohio- Lab ID # 10042

Date Printed: 03/28/2017 7:26AM

AAT Project: 335056



30105 BEVERLY RD.
ROMULUS MI 48174
(734) 699-LABS (5227)
FAX: (734) 699-8407
www.accurate-test.biz



CONTACT INFORMATION

Office:
Fax:
Cell: 239.825.0044
Email: ed@pcdtn.com

SUBMITTING COMPANY

PC&D, Inc.
PO Box 52131
Knoxville, TN 37950-2131

PO # _____

PROJECT NUMBER 9A-017-018 SAMPLING DATE: 3/21/17
PROJECT ADDRESS 226 Circle Dr, Gatlinburg, TN 37738
SAMPLE START TIME _____ SAMPLE END TIME _____

REQUESTED ANALYSIS LEAD
SINGLE WIPE DUST () ()
COMPOSITE SOIL () ()
PAINT CHIP % By Wt. () mg/cm² ()

Request Turnaround time (please check one)
SAME DAY () 24 Hour ()
48 Hour () 72 hours ()
If not indicated, default is 72 hours

RISK ASSESSOR _____
CLIENT SAMPLE ID _____ DESCRIPTION _____ WS, WT, F _____ WIPE AREA (e.g. 12in X 12in) _____

LAB ID	DESCRIPTION	WS, WT, F	WIPE AREA (e.g. 12in X 12in)
1A	Metal siding caulk		1' X 1'
1B	↓ ↓ ↓ ↓		X
1C	↓ ↓ ↓ ↓		X
2A	Door Frame Caulk		X
2B	Window Frame Caulk		X
			X
			X
			X
			X
			X
			X
			X
			X

CUSTOMER COMMENTS
Risk Assessor: _____ Eduardo Padron
Samples shipped 5

SAMPLE CONDITION
SEALS INTACT Y N
PRESERVATIVES Y N
CONTAINERS LABELED Y N

LAB REMARKS
Ed Padron
PC&D
LAB PROJECT NUMBER _____

Date		TIME
<i>Ed Padron</i>	<i>3-21-17</i>	AM
<i>Ed Padron</i>	<i>3-21-17</i>	AM
<i>Ed Padron</i>	<i>3-21-17</i>	AM

SAMPLES RELINQUISHED BY _____
SAMPLES RECEIVED BY *Ed Padron*
3-21-17

Date		TIME
<i>Ed Padron</i>	<i>3-21-17</i>	AM
<i>Ed Padron</i>	<i>3-21-17</i>	AM
<i>Ed Padron</i>	<i>3-21-17</i>	AM

By submitting samples to AAT, the client agrees to AAT's terms and conditions.

Appendix B

THE STATE OF TENNESSEE

Department of Environment and Conservation
Division of Solid Waste Management
Toxic Substances Program

43508-30851



Photo issued: 10/27/2016

Re-Accreditation

Eduardo J. Padron

DOB	Sex	HGT	WGT
09-May-1963	M	6'1"	187

Discipline	Accreditation	Expiration
Management Planner	A-MP-44271-51483	Aug-31-2017

Asbestos Accreditation



THE STATE OF TENNESSEE

Department of Environment and Conservation Division of Solid Waste Management
Toxic Substances Program

William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 14th Floor Nashville TN 37243

By virtue of the authority vested by the Division of Solid Waste Management, the Company named below is hereby accredited to offer and/or conduct Asbestos activities pursuant to Rule 1200-01-20:

Professional Consulting & Development, Inc

5990 Westmore Dr Knoxville TN, 37909

to conduct ASBESTOS ACTIVITIES in schools or public and commercial buildings in Tennessee.
This firm is responsible for compliance with the applicable requirements of Rule 1200-01-20.

Discipline	Type	Accreditation Number	Effective Date	Expiration Date
Accreditation	Re-Accreditation	A-F-2886-48383	February 19, 2016	March 31, 2017



Given under the Seal of the State of Tennessee in Nashville.

This 19th Day of February 2016

Division of Solid Waste Management
Toxic Substance Program

CN-1324 (Rev 6/13)

RDA-3020



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Accurate Analytical Testing, LLC

30105 Beverly Road, Romulus, MI 48174

Laboratory ID: 100986

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
 - ENVIRONMENTAL LEAD
 - ENVIRONMENTAL MICROBIOLOGY
 - FOOD
 - UNIQUE SCOPES
- Accreditation Expires:
 - Accreditation Expires: 07/01/2017
 - Accreditation Expires:
 - Accreditation Expires:
 - Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald R. Schultz

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 05/28/2015