



# Designated Substances Survey - Beavermead Gatehouse Building - 2011 Ashburnham Drive, Peterborough, Ontario

2021-08-06

Prepared for:  
City of Peterborough

© Cambium Reference No.: 13516-001

**CAMBIUM INC.**

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cambium-inc.com

Peterborough | Barrie | Oshawa | Kingston



## Executive Summary

Cambium Inc. (Cambium) was retained by the City of Peterborough (Client) to complete a Designated Substances Survey (DSS) of the Beavermead Gatehouse building at 2011 Ashburnham Drive, Peterborough, Ontario.

Cambium understands that the purpose of the DSS was to identify potential designated substances in the building prior to the planned demolition of the building.

The survey was performed by Cambium on July 16, 2021.

## Key Findings and Recommendations

### Asbestos:

- Asbestos-containing materials were not identified.

### Lead

- Lead may be present in wiring connectors, electric cable sheathing, and piping and solder joints on piping.
- Lead-containing materials (i.e., wiring, piping, etc.) should be recycled.

### Mercury

- Mercury is likely to be present in minor quantities as a vapour within all fluorescent lights in the building. Avoid skin contact with mercury and avoid inhalation of mercury vapour. Dispose of mercury following applicable legislative requirements.

### Silica

- Silica is assumed to be present in concrete products observed throughout the building. Any work involving the disturbance of materials that may contain silica should be conducted following recommendations detailed in the Ministry of Labour document "*Guideline – Silica on Construction Projects*", dated April 2011.



## Ozone Depleting Substances

- Ozone depleting substances are presumed to be present as refrigerants in the ice freezer. Remove and recover refrigerants from the freezer prior to disposal.

Complete commentary on each of the designated substances in the building can be found in the body of this report. The executive summary is not intended to substitute for the complete report, nor does it discuss some of the specific issues documented in the report.



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## 1.0 Introduction

Cambium Inc. (Cambium) was retained by the City of Peterborough (Client) to complete a Designated Substances Survey (DSS) of the Beavermead Gatehouse building at 2011 Ashburnham Drive, Peterborough, Ontario.

Cambium understands that the purpose of the DSS was to identify potential designated substances in the building prior to the planned demolition of the building.

The survey was performed by Cambium on July 16, 2021.

Section 30 of the Ontario Occupational Health and Safety Act (OHSA) and Ontario Regulation (O. Reg.) 490/09 requires that all designated substances at a project site or construction project be reported to all construction contractors working at the site; a DSS report identifies the designated substances present, their locations, and their concentrations (when available). Designated substances are defined by OHSA under Section 1 (1) as “a biological, chemical or physical agent or combination thereof prescribed as a designated substance to which the exposure of a worker is prohibited, regulated, restricted, limited or controlled”. Specific regulations have been made to regulate workplace exposure to the following substances:

- Acrylonitrile
- Benzene
- Isocyanates
- Silica
- Arsenic
- Coke Oven Emissions
- Lead
- Vinyl Chloride
- Asbestos
- Ethylene Oxide
- Mercury

In addition to O. Reg. 490/09, O. Reg. 278/05 regulates *Asbestos on Construction Projects and in Building and Repair Operations* in Ontario. Under O. Reg. 278/05, building owners have specific requirements that must be met.

Lastly, although not required under Section 30 of OHSA, O. Reg. 490/09 and/or O. Reg. 278/05, there is the potential for additional hazardous materials to be present within the building. The identification of these hazardous materials will assist contractors with appropriate



waste handling procedures. Cambium surveyed the Site to determine if any hazardous materials were present that would require special handling during demolition activities. The following hazardous materials were noted if present:

- Polychlorinated Biphenyls (PCBs)
- Ozone-Depleting Substances (ODS)
- Urea Formaldehyde Foam Insulation (UFFI)



## **2.0 Methodology**

### **2.1 Visual Inspection**

The visual assessment included the identification of potential friable and non-friable asbestos-containing materials, paints and/or finishes suspected of containing lead, mercury, and other designated substances or hazardous materials within the building. In addition, the condition, quantity, and friability (with regards to asbestos-containing materials) of the materials were noted.

### **2.2 Asbestos**

Building materials suspected of containing asbestos were identified and representative sampling of these materials was conducted. O. Reg. 278/05 outlines the requirements for the collection of multiple samples of each homogeneous material suspected of containing asbestos. The number of bulk samples was collected in accordance with the requirements presented in O. Reg. 278/05.

Bulk samples of materials suspected of containing asbestos were collected using hand sampling tools. The quantity and condition of the materials suspected of containing asbestos were documented by Cambium.

All samples for asbestos analysis were submitted to Scientific Analytical Institute (SAI) in North Carolina, United States of America. SAI is accredited through the National Voluntary Laboratory Accreditation Program for bulk asbestos fibre by polarized light microscopy (PLM). Samples were analysed following the analytical procedure prescribed by the Regulation 278/05 – U.S. Environmental Protection Agency Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June 1993.

Using the stop positive approach, SAI was instructed to stop analysing samples from any one material if greater than 0.5 percent asbestos was detected in any one of the samples from that material. If no asbestos is detected, all samples were analysed. All samples of identified homogeneous building materials were analysed.





Asbestos-containing materials (ACMs) were evaluated based on their condition in order to make remedial recommendations. In general, an ACM is considered to be in good condition if it shows no signs of damage or deterioration, fair condition if it shows signs of minor damage and poor condition if it shows significant damage.

### 2.3 Lead

Bulk samples of paints and/or finishes suspected of containing lead were collected using a hand held paint scraper. All samples collected for lead analysis were submitted to SAI for analysis in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption. SAI is accredited through AIHA LAP, LLC for environmental lead.

Although no regulations exist in Ontario, the Environmental Abatement Council of Ontario (EACO) has prepared a document entitled "*Lead Guideline for Construction, Renovation, Maintenance or Repair*", and suggests that 0.1% (1,000 ppm) lead in paint represents a de minimis (virtually safe) concentration of lead in paint for construction hygiene purposes and for non-aggressive disturbance of painted finishes (hand powered demolition, chipping, scraping, light sanding, etc.).

### 2.4 Other Designated Substances

Materials suspected of containing any of the other designated substances, other than lead-in-paint or asbestos, were identified by appearance, age, and knowledge of historic applications. This included but not limited to acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, mercury, silica, vinyl chloride, ODS, PCBs and UFFI.

### 2.5 Survey Limitations

Intrusive investigations were conducted into concealed areas where designated substances were suspected of being present.

When conducting an asbestos survey, it is standard practice to assume that certain building materials potentially contain asbestos. Depending on the material, this assumption is generally



undertaken because the material is inaccessible (i.e., underground piping) or there is an inherent danger in sampling the material (i.e., high voltage wires).

Therefore, for the purpose of this survey, Cambium has assumed that the following materials, if present, are asbestos-containing:

- High voltage wiring



## **3.0 Results and Findings**

### **3.1 Asbestos**

Below is a brief summary of building materials identified during the assessment that were suspected of being asbestos-containing. Photographs are included in Appendix A. The laboratory certificate of analysis report for asbestos is included in Appendix B. A drawing with the locations of samples is present in Figure 1.

#### **3.1.1 Thermal Mechanical Insulation (Friable)**

##### **3.1.1.1 Attic Insulation**

Insulation in the attic was observed to be non-asbestos fibreglass batt.

##### **3.1.1.2 Duct Insulation**

Insulated ducts were not found.

##### **3.1.1.3 Pipe Insulation**

Pipes were observed to be insulated with non-asbestos fibreglass or uninsulated.

#### **3.1.2 Drywall Joint Compound (Non-Friable)**

Non-asbestos drywall joint compound is present on the gypsum ceiling in the building (samples ASB-101.1 to ASB-101.3).

#### **3.1.3 Mortar (Non-Friable)**

Non-asbestos mortar is present on the block and stone walls in the building (samples ASB-103.1 to ASB-103.3).

#### **3.1.4 Roofing (Non-Friable)**

Non-asbestos black shingles (two layers) and tar paper are present on the roof of the building (samples ASB-102.1 to ASB-102.3).



### 3.1.5 Sealants (Non-Friable)

All windows were observed to have a date stamp of 2002. All caulking is presumed to be non-asbestos based on the date of installation.

### 3.1.6 Suspect Building Materials Not Identified

The following types of building materials which historically have been known to contain asbestos were not identified during the assessment:

- Mechanical equipment insulation
- Sprayed fireproofing
- Texture finish
- Plaster
- Vermiculite (loose fill), intrusive testing was performed on concrete block walls
- Acoustic ceiling tiles
- Vinyl sheet flooring
- Vinyl floor tiles
- Asbestos cement products

## 3.2 Lead

The following table summarizes the laboratory results for the bulk samples of paint collected for lead analysis. Photographs are included in Appendix A. The laboratory certificate of analysis report for lead is included in Appendix C.

### ***Lead Bulk Sample Locations and Results***

Sample ID	Location	Paint Colour/Substrate	Lead Content (%)
Pb-101	Interior	Off-white paint on block	<0.0062



Sample ID	Location	Paint Colour/Substrate	Lead Content (%)
Pb-102	Exterior	Brown paint on wood	<0.0034

Results of the laboratory analysis indicated that all painted finishes were found to contain low levels of lead and are not considered to be lead-based.

No other major sources of lead or lead-containing products were observed during the survey; however, lead may be present in wiring connectors, electric cable sheathing, and piping and solder joints on piping.

### 3.3 Mercury

Mercury is likely to be present in minor quantities as a vapour within all fluorescent lights. Avoid skin contact with mercury and avoid inhalation of mercury vapour. Dispose of mercury following applicable legislative requirements.

### 3.4 Silica

Silica is assumed to be present in concrete products observed throughout the building.

### 3.5 Ozone Depleting Substances

Ozone depleting substances are presumed to be present as refrigerants in the ice freezer. Remove and recover refrigerants from the freezer prior to disposal.

### 3.6 Other

The following other potential designated substances were not identified during the survey.

- Acrylonitrile
- Benzene
- Vinyl Chloride
- Arsenic
- Coke Oven Emissions
- UFFI
- Isocyanates
- Ethylene Oxide
- PCBs



---

No other potential sources of designated substances were identified during the survey.



## **4.0 Recommendations**

Based on our findings, the following recommendations were made.

### **4.1 Asbestos**

- Any suspect asbestos-containing material discovered during the course of demolition activities not included herein shall be considered asbestos-containing until proven otherwise by bulk sampling and analysis in accordance with O. Reg. 278/05.

### **4.2 Lead**

- Any paints discovered during the course of demolition activities that are not mentioned in this report shall be considered to be lead-based until sampling and analysis indicates otherwise.
- Lead-containing materials (i.e., wiring, piping, etc.) should be recycled.

### **4.3 Mercury**

- The presence of mercury within assembled units (e.g. fluorescent light bulbs) should not be considered a hazard provided that the assembled units remain sealed and intact. Avoid skin contact with mercury and avoid inhalation of mercury vapour. Dispose of mercury following applicable legislative requirements.

### **4.4 Silica**

- Any work involving the disturbance of materials that may contain silica should be conducted following recommendations detailed in the Ministry of Labour document *"Guideline – Silica on Construction Projects"*, dated April 2011.

### **4.5 Ozone Depleting Substances**

- Remove and recover refrigerants from the freezer prior to disposal.



## 5.0 DSS Limitations

The information provided in this report with respect to the designated substances survey is limited to the specific scope of work and is solely for the exclusive use of the City of Peterborough. Cambium is not responsible for the use of this report by any third party. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties.

The field observations and analysis are considered sufficient in detail and scope to form a reasonable basis for the findings presented in this report. Cambium warrants that the findings and conclusions contained herein have been made in accordance with generally accepted industry evaluation methods and applicable regulations at the time of the performance of the designated substances survey. However, due to the nature of building construction, it is possible that conditions may exist which could not be reasonably identified within the scope of the investigation or which were not evident during the survey.

Cambium believes that the information collected during the survey is reliable but reserves the right to review and comment on any interpretation of the data or conclusions derived from this report by the City of Peterborough.





## 6.0 Closing

Cambium trusts that the above meets the requirements of the City or Peterborough. If you have questions or comments regarding the details within this report, please do not hesitate to contact the undersigned at (705) 742-7900 ext. 230.

Respectfully submitted,

**Cambium Inc.**

Liam Wynne, B.A. Env.  
Technologist

Chris Moose, EP  
Project Manager



## 7.0 Standard Limitations

### Limited Warranty

In performing work on behalf of a client, Cambium relies on its client to provide instructions on the scope of its retainer and, on that basis, Cambium determines the precise nature of the work to be performed. Cambium undertakes all work in accordance with applicable accepted industry practices and standards. Unless required under local laws, other than as expressly stated herein, no other warranties or conditions, either expressed or implied, are made regarding the services, work or reports provided.

### Reliance on Materials and Information

The findings and results presented in reports prepared by Cambium are based on the materials and information provided by the client to Cambium and on the facts, conditions and circumstances encountered by Cambium during the performance of the work requested by the client. In formulating its findings and results into a report, Cambium assumes that the information and materials provided by the client or obtained by Cambium from the client or otherwise are factual, accurate and represent a true depiction of the circumstances that exist. Cambium relies on its client to inform Cambium if there are changes to any such information and materials. Cambium does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Cambium will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Cambium during the provision of services, work or reports.

Facts, conditions, information and circumstances may vary with time and locations and Cambium's work is based on a review of such matters as they existed at the particular time and location indicated in its reports. No assurance is made by Cambium that the facts, conditions, information, circumstances or any underlying assumptions made by Cambium in connection with the work performed will not change after the work is completed and a report is submitted. If any such changes occur or additional information is obtained, Cambium should be advised and requested to consider if the changes or additional information affect its findings or results.

When preparing reports, Cambium considers applicable legislation, regulations, governmental guidelines and policies to the extent they are within its knowledge, but Cambium is not qualified to advise with respect to legal matters. The presentation of information regarding applicable legislation, regulations, governmental guidelines and policies is for information only and is not intended to and should not be interpreted as constituting a legal opinion concerning the work completed or conditions outlined in a report. All legal matters should be reviewed and considered by an appropriately qualified legal practitioner.

### Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

Only conditions at the site and locations chosen for study by the client are evaluated; no adjacent or other properties are evaluated unless specifically requested by the client. Any physical or other aspects of the site chosen for study by the client, or any other matter not specifically addressed in a report prepared by Cambium, are beyond the scope of the work performed by Cambium and such matters have not been investigated or addressed.

### Reliance

Cambium's services, work and reports may be relied on by the client and its corporate directors and officers, employees, and professional advisors. Cambium is not responsible for the use of its work or reports by any other party, or for the reliance on, or for any decision which is made by any party using the services or work performed by or a report prepared by Cambium without Cambium's express written consent. Any party that relies on services or work performed by Cambium or a report prepared by Cambium without Cambium's express written consent, does so at its own risk. No report of Cambium may be disclosed or referred to in any public document without Cambium's express prior written consent. Cambium specifically disclaims any liability or responsibility to any such party for any loss, damage, expense, fine, penalty or other such thing which may arise or result from the use of any information, recommendation or other matter arising from the services, work or reports provided by Cambium.

### Limitation of Liability

Potential liability to the client arising out of the report is limited to the amount of Cambium's professional liability insurance coverage. Cambium shall only be liable for direct damages to the extent caused by Cambium's negligence and/or breach of contract. Cambium shall not be liable for consequential damages.

### Personal Liability

The client expressly agrees that Cambium employees shall have no personal liability to the client with respect to a claim, whether in contract, tort and/or other cause of action in law. Furthermore, the client agrees that it will bring no proceedings nor take any action in any court of law against Cambium employees in their personal capacity.

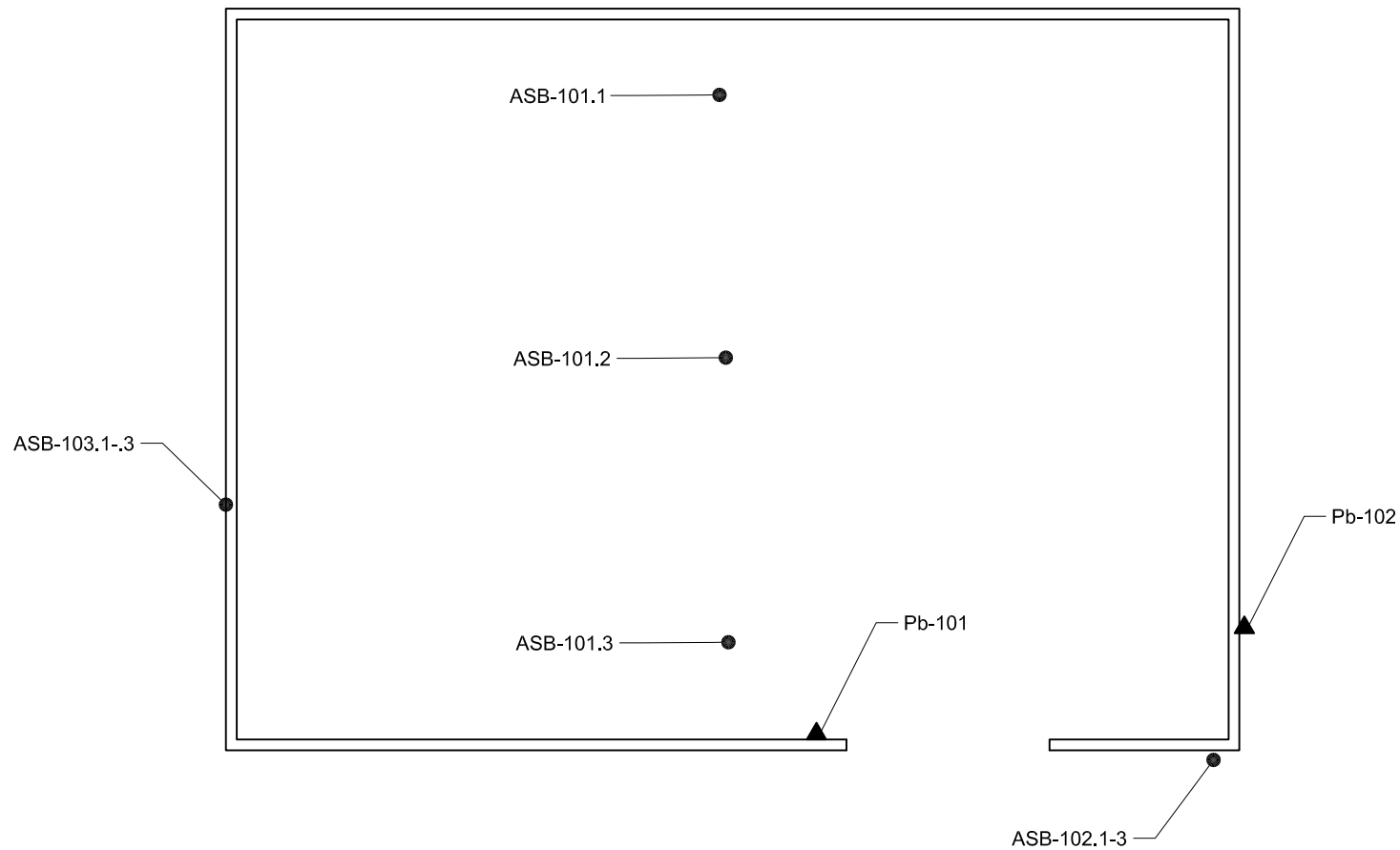


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## Appended Figures

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P:\1350 to 1359\13516-001 City of Peterborough - DSS - Beavermead Gatehouse Entry Building\Graphics\Drawings\CAD\2021-08-04 DSS.dwg



## DESIGNATED SUBSTANCES SURVEY

CITY OF PETERBOROUGH  
2011 Ashburnham Drive,  
Peterborough, Ontario

### LEGEND

- Asbestos Sample Location
- ▲ Lead Sample Location



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Peterborough, Ontario, K9H 1E5  
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## GATEHOUSE BUILDING - SITE PLAN

Project No.:	13516-001	Date:	August 2021
Horizontal Scale:	N.T.S.	Rev.:	N/A
Vertical Scale:	N/A	Drawn By:	MAT
Checked By:	CM	Figure:	1



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## **Appendix A**

## **Photographs**

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***Photo 1 – Non-asbestos fibreglass insulation in the attic.***



***Photo 2 – Non-asbestos fibreglass insulation on pipes.***



***Photo 3 – Non-asbestos drywall joint compound.***



***Photo 4 – Freezer adjacent to building.***



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## **Appendix B**

# **Laboratory Certificate of Analysis for Asbestos**

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# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,  
App.E



**Customer:** Cambium Inc.  
52 Hunter Street East  
Peterborough, ON K9H1G5

**Attn:** Chris Moose

**Lab Order ID:** 71970742  
**Analysis ID:** 71970742\_PLM  
**Date Received:** 7/21/2021  
**Date Reported:** 7/27/2021  
**Date Amended:** 7/28/2021

**Project:** Beavermead Gatehouse

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
ASB-101.1	Drywall Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71970742PLM_1					Crushed
ASB-101.2	Drywall Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71970742PLM_2					Crushed
ASB-101.3	Drywall Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71970742PLM_3					Crushed
ASB-102.1 - A	Tar Paper and Two Layers of Shingles	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
71970742PLM_4	tar paper				Ashed
ASB-102.1 - B	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Tan, Black Non Fibrous Heterogeneous
71970742PLM_10	shingle 1				Dissolved
ASB-102.1 - C	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Heterogeneous
71970742PLM_11	shingle 2				Dissolved
ASB-102.2 - A	Tar Paper and Two Layers of Shingles	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
71970742PLM_5	tar paper				Ashed
ASB-102.2 - B	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Tan, Black Non Fibrous Heterogeneous
71970742PLM_12	shingle 1				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Yanelis Delgado (15)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,  
App.E



**Customer:** Cambium Inc.  
52 Hunter Street East  
Peterborough, ON K9H1G5

**Attn:** Chris Moose

**Lab Order ID:** 71970742  
**Analysis ID:** 71970742\_PLM  
**Date Received:** 7/21/2021  
**Date Reported:** 7/27/2021  
**Date Amended:** 7/28/2021

**Project:** Beavermead Gatehouse

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
ASB-102.2 - C	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Heterogeneous
71970742PLM_13	shingle 2				Dissolved
ASB-102.3 - A	Tar Paper and Two Layers of Shingles	None Detected	60% Cellulose	40% Other	Black Fibrous Homogeneous
71970742PLM_6	tar paper				Ashed
ASB-102.3 - B	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Tan, Black Non Fibrous Heterogeneous
71970742PLM_14	shingle 1				Dissolved
ASB-102.3 - C	Tar Paper and Two Layers of Shingles	None Detected	10% Fiber Glass	90% Other	Black Non Fibrous Heterogeneous
71970742PLM_15	shingle 2				Dissolved
ASB-103.1	Mortar	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71970742PLM_7					Crushed
ASB-103.2	Mortar	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71970742PLM_8					Crushed
ASB-103.3	Mortar	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71970742PLM_9					Crushed

**Disclaimer:** Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Yanelis Delgado (15)

Analyst

Approved Signatory

1190742

Version 1-15-2012

**Client:** Cambium Inc.  
**Contact:** Chris Moose  
**Address:** Peterborough, Ontario  
**Phone:** (705)742-7900  
**Fax:** (705)742-7907  
**Email:** chris.moose@cambium-inc.com  
**cc:**  
**Project:** Beavermead Gatehouse  
**Client Notes:**  
**P.O. #** 13516-001  
**Date Submitted:** 7/20/21 0:00  
**Analysis:** PLM  
**TurnAroundTime:** 5 Day

**\*Instructions:**  
 Use Column "B" for your contact info

To See an Example Click the  
 bottom Example Tab.

Enter samples between "<<" and ">>"  
 Begin Samples with a "<<" above the first sample  
 and end with a ">>" below the last sample.  
 Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional  
 fields that do not show up on the official  
 report, however they will be included  
 in the electronic data returned to you  
 to facilitate your reintegration of the report data.



4604 Dundas Drive |  
 Greensboro, NC 27401  
 Phone: 336.292.3888  
 Fax: 336.292.3313  
 Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
ASB-101.1		Drywall Joint Compound	Stop Positive
ASB-101.2		Drywall Joint Compound	Stop Positive
ASB-101.3		Drywall Joint Compound	Stop Positive
ASB-102.1		Tar Paper and Two Layers of Shingles	Stop Positive
ASB-102.2		Tar Paper and Two Layers of Shingles	Stop Positive
ASB-102.3		Tar Paper and Two Layers of Shingles	Stop Positive
ASB-103.1		Mortar	Stop Positive
ASB-103.2		Mortar	Stop Positive
ASB-103.3		Baseboard adhesive	Stop Positive

Accepted ☒

Rejected ☐

Y. Limundo 7.21  
 10:30A



---

## **Appendix C**

### **Laboratory Certificate of Analysis for Lead**

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# Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy  
EPA SW-846 3050B/6010C/7000B



**Customer:** Cambium Inc.  
52 Hunter Street East  
Peterborough, ON K9H1G5

**Attn:** Chris Moose

**Lab Order ID:** 71970741

**Analysis ID:** 71970741\_PBP

**Date Received:** 7/21/2021

**Date Reported:** 7/28/2021

**Project:** Beavermead Gatehouse

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
Pb-101	Off-White Paint on Block	0.0641	< 62	< 0.0062%
71970741PBP_1				
Pb-102	Exterior Brown Paint on Wood	0.1170	< 34	< 0.0034%
71970741PBP_2				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb). Unless indicated, areas and volumes were provided by the customer.

Xaviera Watkins (2)

**Analyst**

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**Laboratory Director**

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Version 1-15-2012

**Client:** Cambium Inc.  
**Contact:** Chris Moose  
**Address:** Peterborough, Ontario  
**Phone:** (705)742-7900  
**Fax:** (705)742-7907  
**Email:** [chris.moose@cambium-inc.com](mailto:chris.moose@cambium-inc.com)  
  
**Project:** Beavermead Gatehouse  
  
**Client Notes:**  
  
**P.O. #.** 13516-001  
**Date Submitted:** 7/20/21 0:00  
  
**Analysis:** Paint Chips by Flame AA  
**TurnAroundTime:** 5 Day

**\*Instructions:**

Use Column "B" for your contact info

To See an Example Click the  
bottom Example Tab.

Enter samples between "<<" and ">>"  
 Begin Samples with a "<<" above the first sample  
 and end with a ">>" below the last sample.  
 Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional  
 fields that do not show up on the official  
 report, however they will be included  
 in the electronic data returned to you  
 to facilitate your reintegration of the report data.


Scientific  
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Sample Number	Data 1	Sample Description	Data 2
<<			
Pb-101		Off-white paint on block	
Pb-102		Exterior brown paint on wood	

Accepted ☒Rejected ☐

 7-21  
 10:30A