Designated Substances Survey -Emily-Omemee Community Center –212 Sturgeon Road, Omemee, Ontario

December 10, 2024

Prepared for:
City of Kawartha Lakes

Cambium Reference: 21989-001

CAMBIUM INC.

866.217.7900

cambium-inc.com

Executive Summary

Cambium Inc. (Cambium) was retained by the City of Kawartha Lakes (Client) to complete a Designated Substances Survey (DSS) of the Emily-Omemee Community Center at 212 Sturgeon Road, Omemee, Ontario.

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

The survey was performed by Cambium on November 08, 2024. The survey included the entire building.

Key Findings and Recommendations

Asbestos

- Brown sink coating, containing chrysotile asbestos, is present on the underside of the sinks in the kitchen on the second floor. If affected by planned renovation activities, remove brown sink coating using Type 1 procedures as outlined in O. Reg. 278/05.
- Grey caulking, containing chrysotile asbestos, is present on the north wall of the exterior of the building. If affected by planned renovation activities, remove grey caulking using Type 1 procedures as outlined in O. Reg. 278/05.

Lead

- Lead may be present in structural steel primer, lead-acid batteries for emergency lighting, wiring connectors, electric cable sheathing, and piping and solder joints on piping.
- Lead-containing materials (i.e., wiring, piping, etc.) should be recycled if not in use.

Mercury

- Mercury is likely to be present as a liquid in thermostats and in minor quantities as a vapour within all fluorescent light tubes throughout the building.

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.

PCBs

- Polychlorinated biphenyls (PCBs) may be present in fluorescent light ballasts in the building. Light ballasts confirmed or assumed to contain PCBs must be disposed of following the requirements of the Ontario Environmental Protection Act, Ontario regulation 362: PCB Waste Management and Ontario Regulation 347: General-Waste Management.

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.

Table of Contents

List of Tables

List of Appended Figures

List of Appendices

1.0 Introduction

Cambium Inc. (Cambium) was retained by the City of Kawartha Lakes (Client) to complete a Designated Substances Survey (DSS) of the Emily-Omemee Community Center at 212 Sturgeon Road, Omemee, Ontario.

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

The survey was performed by Cambium on November 08, 2024. The survey included the entire building.

Section 30 of the Ontario Occupational Health and Safety Act 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 the Occupational Health and Safety Act (Act) 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
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Lead
- Mercury
- Silica
- Vinyl Chloride

In addition to O. Reg. 490/09, O. Reg. 278/05 regulates *Asbestos on Construction Projects and in Buildings 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 renovation activities. The following hazardous materials were noted if present:

- Polychlorinated Biphenyls (PCBs)
- Ozone-Depleting Substances (ODS)
- Urea Formaldehyde Foam Insulation (UFFI)
- Mould (visible growth only)

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, mould, 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.

Vermiculite samples for asbestos analysis were submitted to EMC Scientific Inc. (EMC) in Mississauga, Ontario. EMC Scientific Inc. 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.

Vermiculite samples were also sent to EMSL Canada Inc. (EMSL) in Mississauga, Ontario for transmission electron microscopy (TEM) analysis. ESML is accredited through the IRSST for analysis of asbestos by TEM.

For analysis of vermiculite insulation, only the presence of amphibole asbestos is noted. Vermiculite originating from the mine in Libby, Montana was known to be contaminated with asbestos during the mining process, and thus is not uniform within the matrix of the material. The percentage of asbestos varies greatly within vermiculite from the Libby mine and as such, all vermiculite determined to be originating from the mine is reported as asbestos-containing.

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 handheld 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, Environmental Abatement Council of Canada (EACC) 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 Polychlorinated Biphenyls

Three samples of caulking were collected in general accordance with the Ministry of the Environment, Conservation and Parks (MECP) document entitled *Protocol for Sampling and Testing at PCB Storage Sites in Ontario.* A bulk sample of each type of caulking was collected to ensure an accurate representation of the material was obtained.

The PCB samples were submitted to Aevitas Inc. (Aevitas) in Ayr, Ontario for analysis of total PCBs in accordance with the US EPA Method 8082 to a minimum detection limit of 0.5 parts per million (ppm) for bulk samples. Aevitas is accredited by the *Canadian Association for Laboratory Accreditation Inc.* (CALA) for specific environmental tests listed in the scope of accreditation approved by CALA, including US EPA 8082.

Ontario Regulation 362 states that PCB waste is any material with a concentration of 50 ppm or more of PCBs.

2.5 Other Designated Substances and Hazardous Materials

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, mould, ODS and UFFI.

2.6 Survey Limitations

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

When conducting a DSS, 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
- Underground services or piping

3.0 Results and Findings

The following sections provide a summary of the results and findings of the DSS.

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 hatching showing the locations of all asbestos-containing materials and the locations of samples is present in Figure 1 and Figure 2.

3.1.1 Thermal Systems Insulation (Friable)

3.1.1.1 Pipe Insulation

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

3.1.1.2 Duct Insulation

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

3.1.1.3 Mechanical Equipment Insulation

Mechanical equipment throughout the building was observed to be either uninsulated or insulated with non-asbestos fibreglass.

3.1.1.4 Attic Insulation

The attic was observed to be insulated with non-asbestos fibreglass.

3.1.2 Vermiculite (Friable)

Non-asbestos vermiculite is present in the concrete block wall between the arena and main floor lobby area, and exterior walls of the building (samples ASB-114.1 to ASB-114.3).

3.1.3 Sink Coating (Non-Friable)

Brown sink coating, containing chrysotile asbestos, is present on the underside of four sinks in the kitchen on the second floor (sample ASB-102.1). There is approximately 4 square feet of asbestos-containing sink coating, and it was observed in good condition.

3.1.4 Mastic (Non-Friable)

The following visually distinct types of mastic were identified:

Table 1 Mastic Sample Locations and Results

Description	Location/Quantity*	Sample ID	Asbestos Content
Bright yellow	Behind vinyl baseboard, kitchen, second floor	ASB-103.1 to ASB-103.3	None Detected
Dark yellow	Beneath carpet, lounge/office space	ASB-106.1 to ASB-106.3	None Detected

** Quantity is only listed for confirmed or assumed asbestos-containing mastic.*

3.1.5 Levelling Compound (Non-Friable)

Non-asbestos floor levelling compound is present on the floor of the storage rooms throughout the building (samples ASB-107.1 to ASB-107.3).

3.1.6 Mortar (Non-Friable)

The following visually distinct types of mortar were identified:

Table 2 Sealants/Caulking Sample Locations and Results

Description	Location/Quantity*	Sample ID	Asbestos Content
Ceramic tile	Shower, changeroom #1	ASB-110.1 to ASB-110.3	None Detected
Concrete block	Concession	ASB-111.1 to ASB-111.3	None Detected

** Quantity is only listed for confirmed or assumed asbestos-containing mortar.*

3.1.7 Drywall Joint Compound (Non-Friable)

Non-asbestos drywall joint compound is present on gypsum wall and ceiling finishes in various areas throughout the building (samples ASB-105.1 to ASB-105.7).

3.1.8 Roofing Materials (Non-Friable)

Non-asbestos steel roofing is present on the roof of the building.

3.1.9 Sealants/Caulking (Non-Friable)

The following visually distinct types of sealants/caulking were identified:

Table 3 Sealants/Caulking Sample Locations and Results

Colour	Location/Quantity*	Sample ID	Asbestos Content
White	Main entrance, interior	ASB-113.1 to ASB-113.3	None Detected
White	East wall, exterior	ASB-115.1 to ASB-115.3	None Detected
Grey	**North wall, exterior / approximately 200 linear feet**	**ASB-116.1**	**3% Chrysotile**

** Quantity is only listed for confirmed or assumed asbestos-containing sealants/caulking.*

Asbestos-containing grey caulking was observed in good condition.

3.1.10 Acoustic Ceiling Tiles (Non-Friable)

The following visually distinct types of ceiling tiles were identified:

Table 4 Acoustic ceiling Tile Sample Locations and Results

Size, Type and Pattern	Location/Quantity*	Sample ID	Asbestos Content
2’ x 4’ plain white	Second Floor Men’s Washroom	ASB-109.1 to ASB-109.3	None Detected
2’ x 4’ white with random fissures and pinholes	Ground floor, throughout	Date Stamped (1997)	N/A
2’ x 4’ white with widthwise fissures	Lobby area, second floor	Date Stamped (1993)	N/A
2’ x 4’ white with pinholes and small grooves	Lobby area, second floor	Date Stamped (2004)	N/A

** Quantity is only listed for confirmed or assumed asbestos-containing acoustic ceiling tiles.*

Non-asbestos acoustic ceiling tiles are present as a ceiling finish throughout the building (date stamped 1993, 1997 and 2004). Ceiling tiles were assumed to be non-asbestos based on the date stamp applied to the back of the tile.

3.1.11 Vinyl Floor Tiles and Mastic (Non-Friable)

The following visually distinct types of vinyl floor tiles were identified:

Table 5 Vinyl Floor Tile Sample Locations and Results

Size and Pattern	Location/Quantity*	Sample ID	Asbestos Content	
			Tile	Adhesive Mastic
12” x 12” white with grey streaks	Second floor kitchen	ASB-101.1 to ASB-101.3	None Detected	None Detected
12” x 12” off-white with faint burgundy streaks	Second floor kitchen	ASB-104.1 to ASB-104.3	None Detected	None Detected
12” x 12” white with black splotches	Second floor washroom	ASB-108.1 to ASB-108.3	None Detected	None Detected
12” x 12” grey with grey streaks	Main floor lobby	ASB-112.1 to ASB-112.3	None Detected	None Detected

** Quantity is only listed for confirmed or assumed asbestos-containing vinyl floor tiles.*

3.1.12 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:

- Sprayed fireproofing
- Thermal systems insulation
- Texture finish
- Plaster
- Vinyl sheet flooring
- Asbestos cement products

3.2 Lead

The following table summarizes the laboratory results for the bulk samples of paint collected for lead analysis. The laboratory certificate of analysis report for lead is included in Appendix C. A drawing with locations of samples is present in Figure 1 and Figure 2.

Table 6 Lead Bulk Sample Locations and Results

Sample ID	Location	Paint Colour/Substrate	Lead Content (%)
Pb-101	Lounge/office space	White/gypsum	<0.0038
Pb-102	Lounge/office space	Brown/wood	<0.0055
Pb-103	Lounge/office space	Grey/wood	<0.0067
Pb-104	Stairwell	Burgundy/wood	<0.0045
Pb-105	Storage room, office, main floor	Yellow/concrete	0.0037
Pb-106	Arena	Green/metal	0.022
Pb-107	Arena	Bright yellow/concrete	<0.0027
Pb-108	Arena	Black/metal	<0.0047
Pb-109	Storage, beneath viewing stands, arena	Pale pink/concrete	0.0033
Pb-110	South wall, exterior	White/concrete	<0.0044
Pb-111	South wall, exterior	Burgundy/metal	0.059
Pb-112	West side, exterior	Yellow/metal	0.0041

The results of laboratory analysis indicated that all painted finishes 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 structural steel primer, lead-acid batteries in emergency lighting, 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 vapor within all fluorescent light tubes throughout the building.

Mercury is likely to be present as a liquid in thermostats throughout the building.

3.4 Silica

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

3.5 PCBs

The following table summarizes the laboratory results for the bulk samples of caulking for PCB analysis. The laboratory certificate of analysis report for PCBs is included in Appendix D. Building layout drawings with the location of the sample is present in Figure 1 and Figure 2.

Table 7 PCB Bulk Sample Locations and Results

Sample ID	Location	Caulking Colour	PCB Content (ppm)
PCB-101	Interior entrance	White	<0.2
PCB-102	Exterior wall	White	<0.2
PCB-103	Exterior wall	Grey	<0.2

The results of laboratory analysis indicated that the collected bulk samples are not required to be disposed of as PCB waste.

PCBs may be present in fluorescent light ballasts in the building. Light ballasts confirmed or assumed to contain PCBs must be disposed of following the requirements of the Ontario Environmental Protection Act, Ontario regulation 362: PCB Waste Management and Ontario Regulation 347: General-Waste Management.

3.6 Other

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

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

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

- Prior to renovation activities, asbestos-containing materials that have the potential to be disturbed must be removed in accordance with the appropriate removal procedures as outlined in O. Reg. 278/05 and disposed of as asbestos waste under O. Reg. 347
- If affected by planned renovation activities, remove brown sink coating and grey caulking using Type 1 procedures as outlined in O. Reg 278/05.
- Any suspect asbestos-containing material discovered during the course of renovation 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 renovation 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 if not in use.

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 PCBs

- Light ballasts confirmed or assumed to contain PCBs must be disposed of following the requirements of the Ontario Environmental Protection Act, Ontario regulation 362: PCB Waste Management and Ontario Regulation 347: General-Waste Management.

5.0 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 Kawartha Lakes. 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 Kawartha Lakes.

6.0 Closing

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

Respectfully submitted,

Cambium Inc.

DocuSigned by:
C5579BEE355C422...
Jackson Whitter, B. Eng
Technician

DocuSigned by:
10BC5ABA7CC944F...
Chris Moose
Senior Project Manager

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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.

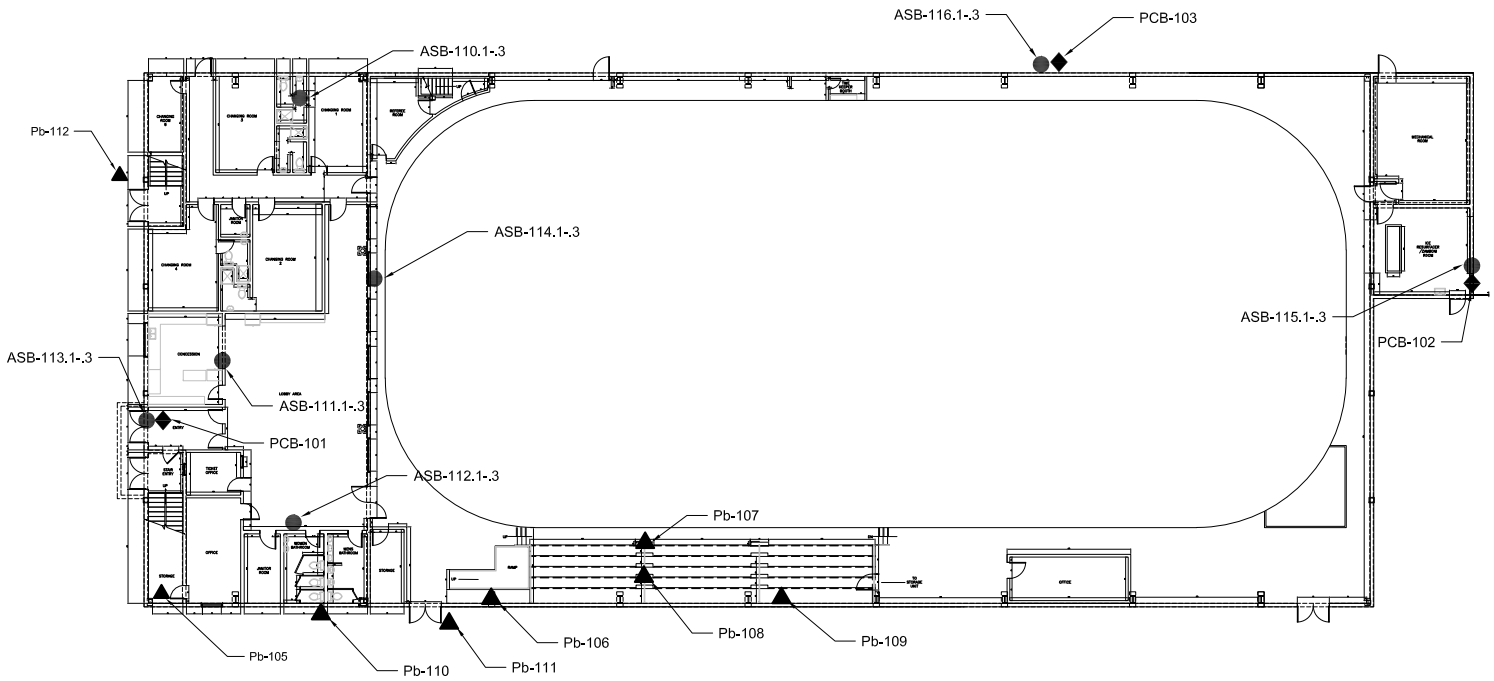
Personal Liability

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.

Appended Figures

DESIGNATED SUBSTANCES SURVEY

CITY OF KAWARTHA LAKES
212 Sturgeon Road
Omemee, Ontario



LEGEND

- Asbestos Sample Location
- Lead Sample Location
- PCB Sample Location

Asbestos-Containing Materials:

- Sink Coating

Notes:
1. Asbestos-containing grey caulking is present at the control joints on the exterior walls of the building.

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Peterborough, Ontario, K9H 1E5
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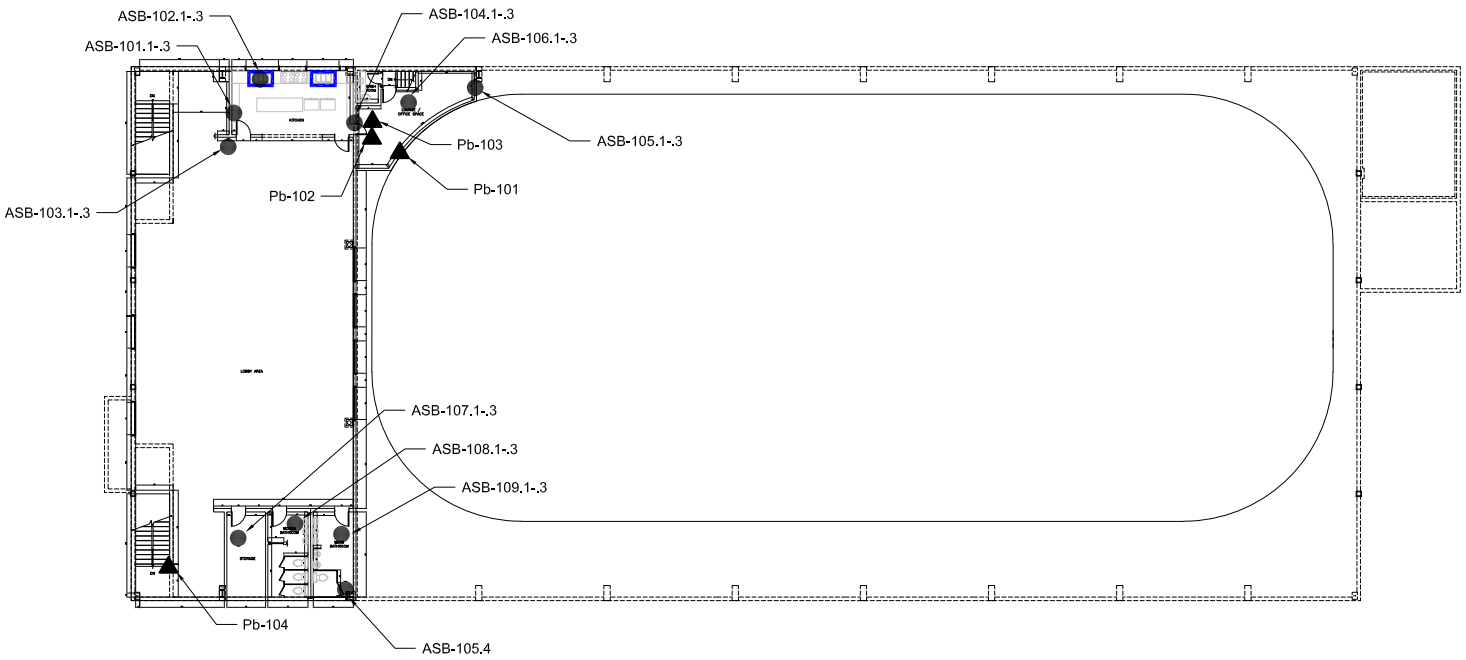
www.cambium-inc.com

GROUND FLOOR PLAN

Project No.: 21989-001		Date: November 2024 Rev.:	
Horizontal Scale: N.T.S		Vertical Scale: N/A	
Drawn By: TLC	Checked By: CM	Figure: 1	

DESIGNATED SUBSTANCES SURVEY

CITY OF KAWARTHA LAKES
212 Sturgeon Road
Omemee, Ontario



LEGEND

- Asbestos Sample Location
- Lead Sample Location
- PCB Sample Location

Asbestos-Containing Materials:

- Sink Coating

Notes:
1. Asbestos-containing grey caulking is present at the control joints on the exterior walls of the building.

194 Sophia Street
Peterborough, Ontario, K9H 1E5
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SECOND FLOOR PLAN

Project No.: 21989-001		Date: November 2024	Rev.:
Horizontal Scale: N.T.S		Vertical Scale: N/A	
Drawn By: TLC	Checked By: CM	Figure: 2	

Appendix A

Photographs

Photo 1 Fibreglass insulated mechanical equipment

Photo 2 Non-asbestos vermiculite.

Photo 3 Asbestos-containing brown sink coating

Photo 4 Non-asbestos drywall joint compound.

Photo 5 Non-asbestos 12” x 12” off-white vinyl floor tiles with faint burgundy streaks.

Photo 6 Asbestos-containing grey caulking.

Photo 7 Mercury containing fluorescent light ballasts.

Appendix B

Laboratory Certificate of Analysis for Asbestos

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-101.1 - A	12" x12" White vinyl floor tile with grey streaks - Second floor kitchen	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0001	*tile*				Dissolved
ASB-101.1 - B	12" x12" White vinyl floor tile with grey streaks - Second floor kitchen	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0050	*mastic*				Dissolved
ASB-101.2 - A	12" x12" White vinyl floor tile with grey streaks	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0002	*tile*				Dissolved
ASB-101.2 - B	12" x12" White vinyl floor tile with grey streaks	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0051	*mastic*				Dissolved
ASB-101.3 - A	12" x12" White vinyl floor tile with grey streaks	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0003	*tile*				Dissolved
ASB-101.3 - B	12" x12" White vinyl floor tile with grey streaks	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0052	*mastic*				Dissolved
ASB-102.1	Brown sink coating - Second floor kitchen	**3% Chrysotile**		**97% Other**	Silver Non-Fibrous Homogeneous
10068095_0004					Dissolved
ASB-102.2	Brown sink coating - Second floor kitchen	**Not Analyzed**			
10068095_0005					

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Jalen Moore (61)
Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-102.3	Brown sink coating - Second floor kitchen	**Not Analyzed**			
10068095_0006					
ASB-103.1	Bright yellow vinyl baseboard mastic - Second floor kitchen	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0007					Dissolved
ASB-103.2	Bright yellow vinyl baseboard mastic - Second floor kitchen	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0008					Dissolved
ASB-103.3	Bright yellow vinyl baseboard mastic - Second floor kitchen	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0009					Dissolved
ASB-104.1 - A	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0010	*tile*				Dissolved
ASB-104.1 - B	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10068095_0053	*mastic*				Dissolved
ASB-104.2 - A	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0011	*tile*				Dissolved
ASB-104.2 - B	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10068095_0054	*mastic*				Dissolved

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Jalen Moore (61)
Analyst

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Bulk Asbestos Analysis

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40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

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194 Sophia Street
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Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-104.3 - A	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10068095_0012	*tile*				Dissolved
ASB-104.3 - B	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10068095_0055	*mastic*				Dissolved
ASB-105.1	Drywall Joint Compound - Lounge/office space	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0013					Dissolved
ASB-105.2	Drywall Joint Compound - Lounge/office space	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0014					Dissolved
ASB-105.3	Drywall Joint Compound - Lounge/office space	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0015					Dissolved
ASB-105.4	Drywall Joint Compound - Second floor washroom	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0016					Dissolved
ASB-105.5	Drywall Joint Compound - Changeroom #5	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0017					Dissolved
ASB-105.6	Drywall Joint Compound - Referee room	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0018					Dissolved

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and
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Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-105.7	Drywall Joint Compound - Referee room	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0019					Dissolved
ASB-106.1	Dark yellow carpet mastic - Lounge/office space	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0020					Dissolved
ASB-106.2	Dark yellow carpet mastic - Lounge/office space	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0021					Dissolved
ASB-106.3	Dark yellow carpet mastic - Lounge/office space	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10068095_0022					Dissolved
ASB-107.1	Floor leveling compound - Second floor storage	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0023					Dissolved
ASB-107.2	Floor leveling compound - Second floor storage	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0024					Dissolved
ASB-107.3	Floor leveling compound - Second floor storage	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0025					Dissolved
ASB-108.1 - A	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0026	*tile*				Dissolved

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Date Received: 11/12/2024
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Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-108.1 - B	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0056	*mastic*				Dissolved
ASB-108.2 - A	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0027	*tile*				Dissolved
ASB-108.2 - B	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0057	*mastic*				Dissolved
ASB-108.3 - A	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0028	*tile*				Dissolved
ASB-108.3 - B	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0058	*mastic*				Dissolved
ASB-109.1	2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	**None Detected**	**60% Cellulose** **20% Mineral Wool**	**10% Perlite** **10% Other**	Beige, White Fibrous Homogeneous
10068095_0029					Ashed
ASB-109.2	2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	**None Detected**	**60% Cellulose** **20% Mineral Wool**	**10% Perlite** **10% Other**	White, Beige Fibrous Homogeneous
10068095_0030					Ashed
ASB-109.3	2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	**None Detected**	**60% Cellulose** **20% Mineral Wool**	**10% Perlite** **10% Other**	White, Beige Fibrous Homogeneous
10068095_0031					Ashed

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Jalen Moore (61)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
ASB-110.1	Ceramic mortar - Changeroom 1 shower	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0032					Dissolved
ASB-110.2	Ceramic mortar - Changeroom 1 shower	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0033					Dissolved
ASB-110.3	Ceramic mortar - Changeroom 1 shower	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0034					Dissolved
ASB-111.1	Concrete block mortar - Concession	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0035					Dissolved
ASB-111.2	Concrete block mortar - Concession	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0036					Dissolved
ASB-111.3	Concrete block mortar - Concession	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0037					Dissolved
ASB-112.1 - A	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10068095_0038	*tile*				Dissolved
ASB-112.1 - B	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0059	*mastic - small sample*				Dissolved

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and
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NVLAP LAB CODE 200664-0

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Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068095**
Analysis: PLM
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Amended: 11/21/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-112.2 - A	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0039	*tile*				Dissolved
ASB-112.2 - B	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0060	*mastic - small sample*				Dissolved
ASB-112.3 - A	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0040	*tile*				Dissolved
ASB-112.3 - B	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10068095_0061	*mastic - small sample*				Dissolved
ASB-113.1	White caulking - Main entrance	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0041					Ashed
ASB-113.2	White caulking - Main entrance	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0042					Ashed
ASB-113.3	White caulking - Main entrance	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0043					Ashed
ASB-115.1	White caulking - Exterior wall	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0044					Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
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Lab ID # 173190

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Peterborough , ON K9H 1G5

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William Bellhouse

Project: 212 Sturgeon Road, Omemee

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Analysis: PLM
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
ASB-115.2	White caulking - Exterior wall	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0045					Ashed
ASB-115.3	White caulking - Exterior wall	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10068095_0046					Ashed
ASB-116.1	Grey caulking - Exterior wall	**3% Chrysotile**		**97% Other**	Gray Non-Fibrous Homogeneous
10068095_0047					Dissolved
ASB-116.2	Grey caulking - Exterior wall	**Not Analyzed**			
10068095_0048					
ASB-116.3	Grey caulking - Exterior wall	**Not Analyzed**			
10068095_0049					

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Jalen Moore (61)
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100680951R
8:38 pm
11/21/24

Version 1-15-2012

Client:	Cambium Inc.
Contact:	William Bellhouse
Address:	194 Sophia Street, Peterborough
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cc:	jackson.whitter@cambium-inc.com
	chris.moose@cambium-inc.com
Project:	212 Sturgeon Road, Omemee
Client Notes:	
P.O. #:	21989-001
Date Submitted:	Nov 11 2024
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.

Scientific Analytical Institute
4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

<<			
ASB-101.1	Analyze tile and mastic separetely	12" x12" White vinyl floor tile with grey streaks - Second floor kitchen	Stop Positive
ASB-101.2	Analyze tile and mastic separetely	12" x12" White vinyl floor tile with grey streaks	Stop Positive
ASB-101.3	Analyze tile and mastic separetely	12" x12" White vinyl floor tile with grey streaks	Stop Positive
ASB-102.1		Brown sink coating - Second floor kitchen	Stop Positive
ASB-102.2		Brown sink coating - Second floor kitchen	Stop Positive
ASB-102.3		Brown sink coating - Second floor kitchen	Stop Positive
ASB-103.1	Analyze mastic only	Bright yellow vinyl baseboard mastic - Second floor kitchen	Stop Positive
ASB-103.2	Analyze mastic only	Bright yellow vinyl baseboard mastic - Second floor kitchen	Stop Positive
ASB-103.3	Analyze mastic only	Bright yellow vinyl baseboard mastic - Second floor kitchen	Stop Positive
ASB-104.1	Analyze tile and mastic separetely	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	Stop Positive
ASB-104.2	Analyze tile and mastic separetely	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	Stop Positive
ASB-104.3	Analyze tile and mastic separetely	12" x 12" Off-white vinyl floor tile with faint burgundy streaks - Second floor kitchen	Stop Positive
ASB-105.1		Drywall Joint Compound - Lounge/office space	Stop Positive
ASB-105.2		Drywall Joint Compound - Lounge/office space	Stop Positive
ASB-105.3		Drywall Joint Compound - Lounge/office space	Stop Positive
ASB-105.4		Drywall Joint Compound - Second floor washroom	Stop Positive
ASB-105.5		Drywall Joint Compound - Changeroom #5	Stop Positive
ASB-105.6		Drywall Joint Compound - Referee room	Stop Positive
ASB-105.7		Drywall Joint Compound - Referee room	Stop Positive
ASB-106.1	Analyze mastic only	Dark yellow carpet mastic - Lounge/office space	Stop Positive
ASB-106.2	Analyze mastic only	Dark yellow carpet mastic - Lounge/office space	Stop Positive
ASB-106.3	Analyze mastic only	Dark yellow carpet mastic - Lounge/office space	Stop Positive
ASB-107.1		Floor leveling compound - Second floor storage	Stop Positive
ASB-107.2		Floor leveling compound - Second floor storage	Stop Positive
ASB-107.3		Floor leveling compound - Second floor storage	Stop Positive
ASB-108.1	Analyze tile and mastic separetely	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	Stop Positive
ASB-108.2	Analyze tile and mastic separetely	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	Stop Positive
ASB-108.3	Analyze tile and mastic separetely	12" x 12" white vinyl floor tile with black splotches - Second floor washroom	Stop Positive

Accepted ☑
Rejected ☐

ASB-109.1		2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	Stop Positive
ASB-109.2		2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	Stop Positive
ASB-109.3		2' x 4' plain white acoustic ceiling tile - Second floor men's washroom	Stop Positive
ASB-110.1		Ceramic mortar - Changeroom 1 shower	Stop Positive
ASB-110.2		Ceramic mortar - Changeroom 1 shower	Stop Positive
ASB-110.3		Ceramic mortar - Changeroom 1 shower	Stop Positive
ASB-111.1		Concrete block mortar - Concession	Stop Positive
ASB-111.2		Concrete block mortar - Concession	Stop Positive
ASB-111.3		Concrete block mortar - Concession	Stop Positive
ASB-112.1	Analyze tile and mastic separetely	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	Stop Positive
ASB-112.2	Analyze tile and mastic separetely	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	Stop Positive
ASB-112.3	Analyze tile and mastic separetely	12" x 12" Grey vinyl floor tile with grey streaks - Main floor lobby	Stop Positive
ASB-113.1		White caulking - Main entrance	Stop Positive
ASB-113.2		White caulking - Main entrance	Stop Positive
ASB-113.3		White caulking - Main entrance	Stop Positive
ASB-115.1		White caulking - Exterior wall	Stop Positive
ASB-115.2		White caulking - Exterior wall	Stop Positive
ASB-115.3		White caulking - Exterior wall	Stop Positive
ASB-116.1		Grey caulking - Exterior wall	Stop Positive
ASB-116.2		Grey caulking - Exterior wall	Stop Positive
ASB-116.3		Grey caulking - Exterior wall	Stop Positive

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INCORPORATED

Laboratory Analysis Report

To:

William Bellhouse
Cambium Environmental Inc.
194 Sophia Street
Peterborough, Ontario
K9H 1E5

EMC LAB REPORT NUMBER: A111679
Job/Project Name: 212 Sturgeon Road
Analysis Methods: Polarized Light Microscopy – EPA 600
Date Received: Nov 12/24 **Date Analyzed:** Nov 19/24
Analyst: Jayoda Perera
Reviewed By: Malgorzata Sybydlo

Job No: 21989-001
Number of Samples: 3
Date Reported: Nov 19/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	Amphibole Asbestos	Comments
ASB-114.1	A111679-1	Vermiculite/ interior arena wall	Grey, beige and brown, loose, mica-like, material	**ND**	
ASB-114.2	A111679-2	Vermiculite/ interior arena wall	Grey, beige and brown, loose, mica-like, material	**ND**	
ASB-114.3	A111679-3	Vermiculite/ interior arena wall	Grey, beige and brown, loose, mica-like, material	**ND**	

Note:
1. Vermiculite samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. Vermiculite contaminated with amphibole asbestos is mainly known to originate from Libby, Montana.
3. The results are only related to the samples analyzed. **ND =** None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
4. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

EMSL Canada Inc.
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http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552419562
CustomerID:	55EMCS78
CustomerPO:	21989-001
ProjectID:	

Attn: **Alister Haddad**
EMC Scientific, Inc.
5800 Ambler Drive
Suite 100
Mississauga, ON L4W 4J4

Phone:	(905) 629-9247
Fax:	(905) 629-2607
Received:	11/28/2024 05:50 PM
Analysis Date:	12/3/2024
Collected:	11/28/2024

Project: **Omemee Arena / 21989-001**

Test Report:Qualitative Asbestos Analysis by Transmission Electron Microscopy (TEM) and Filtration Technique

Sample	Description	TEM Result	Notes
ASB-114.1 *552419562-0001*	Vermiculite / Dividing Wall	**None Detected**	
ASB-114.2 *552419562-0002*	Vermiculite / Dividing Wall	**None Detected**	
ASB-114.3 *552419562-0003*	Vermiculite / Dividing Wall	**None Detected**	

Analyst(s)

Sarah De Frias (3)

Matthew Davis or other approved signatory
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This is a presence/absence screen only

Samples analyzed by EMSL Canada Inc. Mississauga, ON

Report Amended: 12/10/2024 12:31:18 Replaces the Inital Report 12/03/2024 15:16:01. Reason Code: Client-Change to Sample ID

Appendix C

Laboratory Certificate of Analysis for Lead

Analysis for Lead Concentration in Paint Chips

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

Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068093**
Analysis: PBP
Date Received: 11/12/2024
Date Reported: 11/19/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Mass (g)	Reporting Limit (ppm)	Concentration (ppm)	Concentration (% by weight)
Pb-101	**White paint on gypsum - Lounge/office space**	0.1066	38	<38	**<0.0038%**
10068093_0001					
Pb-102	**Brown paint on wood - Lounge/office space**	0.0724	55	<55	**<0.0055%**
10068093_0002					
Pb-103	**Grey paint on wood - Lounge/office space**	0.0599	67	<67	**<0.0067%**
10068093_0003					
Pb-104	**Burgundy on wood - Stairwell**	0.0885	45	<45	**<0.0045%**
10068093_0004					
Pb-105	**Yellow on concrete - Main floor office room storage**	0.1542	26	37	**0.0037%**
10068093_0005					
Pb-106	**Green paint on metal - Arena**	0.1757	23	220	**0.022%**
10068093_0006					
Pb-107	**Bright yellow on concrete - Arena**	0.1500	27	<27	**<0.0027%**
10068093_0007					
Pb-108	**Black on metal - Arena**	0.0859	47	<47	**<0.0047%**
10068093_0008					

Disclaimer: 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). All sample dried before preparation and analysis.

Athena Summa (12)
Analyst

Approved Signatory

Analysis for Lead Concentration in Paint Chips

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

Customer: Cambium Inc.
194 Sophia Street
Peterborough , ON K9H 1G5

Attn: Chris Moose
Jackson Whitter
William Bellhouse

Project: 212 Sturgeon Road, Omemee

Lab Order ID: **10068093**
Analysis: PBP
Date Received: 11/12/2024
Date Reported: 11/19/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Mass (g)	Reporting Limit (ppm)	Concentration (ppm)	Concentration (% by weight)
Pb-109	**Pale pink on concrete storage room beneath stands - Arena**	0.1950	21	33	**0.0033%**
10068093_0009					
Pb-110	**White exterior paint on concrete - South wall**	0.0899	44	<44	**<0.0044%**
10068093_0010					
Pb-111	**Burgundy exterior paint 07 metal - South wall**	0.0660	61	590	**0.059%**
10068093_0011	*Bag unlabeled*				
Pb-112	**Yellow exterior paint on metal - West side**	0.1064	38	41	**0.0041%**
10068093_0012					

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Athena Summa (12)
Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

100680 93

Client:	Cambium Inc.
Contact:	William Bellhouse
Address:	194 Sophia Street, Peterborough
Phone:	(705)742-7900
Fax:	(705)742-7907
Email:	william.bellhouse@cambium-inc.com
cc:	chris.moose@cambium-inc.com
	jackson.whitter@cambium-inc.com
Project:	212 Sturgeon Road, Omemee
Client Notes:	
P.O. #.	21989-001
Date Submitted:	Nov 11 2024
Analysis:	Paint Chips by Flame AA
TurnAroundTime:	5 Days

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.

Version 1-15-2012

Scientific Analytical Institute
4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
Pb-101		White paint on gypsum - Lounge/office space	
Pb-102		Brown paint on wood - Lounge/office space	
Pb-103		Grey paint on wood - Lounge/office space	
Pb-104		Burgundy on wood - Stairwell	
Pb-105		Yellow on concrete - Main floor office room storage	
Pb-106		Green paint on metal - Arena	
Pb-107		Bright yellow on concrete - Arena	
Pb-108		Black on metal - Arena	
Pb-109		Pale pink on concrete - Storage room beneath stands - Arena	
Pb-110		White exterior paint on concrete - South wall	
Pb-111		Burgundy exterior paint on metal - South wall	
Pb-112		Yellow exterior paint on metal - West side	
>>			

YH 11-12 10:30am

☐ Accepted

☐ Rejected

Appendix D

Laboratory Certificate of Analysis for PCBs

aevitas (AYR)

AEVITAS INC. (AYR)
ANALYTICAL CHEMISTRY DEPARTMENT
75 WANLESS COURT, AYR, ONTARIO, N0B 1E0, CANADA
WWW.AEVITAS.CA

ilac-MRA CALA Testing Accreditation No. A3494

Certificate of Analysis

William Bellhouse

Cambium Inc. (Peterborough)
194 Sophia St., Peterborough, ON K9H 1E5

Date of Issue: Nov 18, 2024

Report Description: ***3 solid samples were submitted for the following chemical analysis***

Project Name:	212 Sturgeon Road, Omemee	**Date Sampled:**	Nov 08, 2024
Project No.:	21989-001	**Date Tested:**	Nov 15, 2024
Site Location:	212 Sturgeon Road, Omemee	**Sampled by:**	William B

Report Number: 24-1464

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	*Sample ID.:* ***PCB-101***					
	PCBs in Solid	**<0.2**	mg/Kg	0.2	White Interior Caulking	LAB-M06 (EPA 3550C/8082A modified)
2	*Sample ID.:* ***PCB-102***					
	PCBs in Solid	**<0.2**	mg/Kg	0.2	White Exterior Caulking	LAB-M06 (EPA 3550C/8082A modified)
3	*Sample ID.:* ***PCB-103***					
	PCBs in Solid	**<0.2**	mg/Kg	0.2	Grey Exterior Caulking	LAB-M06 (EPA 3550C/8082A modified)

Results apply to the sample(s) as received.

Approved By:

Son C.H. Le, *(Chem.)*
Lab Manager
Phone: (519) 740-1333 Ext.: 1030
Fax: (519) 740-2320
Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.