

Masonry Filler Asbestos Sample Report

PROJECT INFORMATION			
Client:	Trillium Lakelands District School Board	Date on Site:	November 27, 2024
Project Address:	Bobcaygeon Public School 30 Balaclava Street, Bobcaygeon, ON	Date of Report:	December 18, 2024
Project Location:	Construction Phase 1969	Project No.:	22134
Maple Representative:	Jayden Leclerc	Page:	1 of 3 +attachment

REPORT DISTRIBUTION:		
Company	Contact	Issued To
TLDSB	Darren Lambert	darren.lambert@tldbs.on.ca

SITE REPORT TYPE		
<input type="checkbox"/> Type 1 Work Area	<input type="checkbox"/> Type 2 Work Areas	<input type="checkbox"/> Glove Bag Methods
<input type="checkbox"/> Clean Site Preparation	<input type="checkbox"/> Upper Seals	<input type="checkbox"/> Prior to Bulk Removal
<input type="checkbox"/> Bulk Removal	<input type="checkbox"/> Visual Clearance	<input type="checkbox"/> Air Monitoring
<input type="checkbox"/> Dismantle	<input type="checkbox"/> Waste Transfer	<input checked="" type="checkbox"/> Bulk Sampling

BACKGROUND

Maple Environmental Inc. (Maple) was retained by the Trillium Lakelands District School Board to perform environmental consulting services associated with Bobcaygeon Public School located at 30 Balaclava Street, Bobcaygeon, Ontario ('the Site').

The scope of the project included the collection and analysis of Masonry Filler for the determination of asbestos content. Samples were collected from representative locations in each pre-1996 construction phase in the building as requested by Trillium Lakelands District School Board in an attempt to delineate asbestos versus non-asbestos locations.

Masonry Filler is a cementitious sealant or primer that is typically applied to masonry products such as concrete blocks to enable the masonry to accept a paint finish.

ASBESTOS BULK SAMPLING

Representative samples were collected from each of the 1969 construction phases. A total of ten (10) bulk samples were collected and submitted for the determination of asbestos content.

The asbestos bulk samples were analysed by EMC Scientific, an independent accredited laboratory. The analytical method follows the Ontario Ministry of Labour Code for the Determination of Asbestos from Bulk Samples. A summary of the laboratory results are provided in Table 1 below. Attachment A presents the detailed final analytical results.

**TABLE 1:
ASBESTOS BULK SAMPLE RESULTS**

Building Phase	Sample Number	Sample Location	Sample Description	Results
1969	S-01A	Room 135	Off White Primer	None Detected
	S-01B	Room 160	Off White Primer	1% Chrysotile
	S-01C	Room 137	Blue Primer	None Detected
	S-01D	Room 140	Off White Primer	None Detected
	S-01E	Room 142	Off White Primer	<0.5% Chrysotile
	S-01F	Room 157	White Primer	<0.5% Chrysotile
	S-01G	Room 155	Off White Primer	None Detected
	S-01H	Room 149	Off White and Grey Primer	None Detected
	S-01I	Room 144	Off White and Grey Primer	None Detected
	S-01J	Room 147	Off White and Grey Primer	None Detected

DISCUSSION OF ASBESTOS RESULTS

The following is a brief description of the materials currently sampled for the determination of asbestos content. Refer to drawings in Attachment B for sample locations.

1969 Construction Phase:

Asbestos-containing Masonry Filler was observed to be present in various locations within the 1969 construction phase.

A total of ten (10) representative samples (Sample Set S-01) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of sample S-01B found that the material contains **1% Chrysotile asbestos**. Samples S-01A, S-01C, S-01D and S-01G to S-01J found not to contain asbestos. Analysis of Sample S-01E and S-01F confirmed that the material contains <0.5% Chrysotile asbestos. Ontario Regulation 278/05 determines that a material is asbestos-containing if it contains 0.5% or greater asbestos concentration. Therefore, the sample analyzed are not considered to be asbestos-containing.

CONCLUSIONS & RECOMMENDATIONS

Based on the results of the sampling, Masonry Filler in the 1969 construction phase was confirmed to contain **Chrysotile asbestos**. At a minimum, all Masonry Filler in the 1969 construction phase should be considered as asbestos-containing. Removal or disturbance of asbestos-containing masonry filler requires the use of Type 1, Type 2 or Type 3 asbestos procedures depending on the scope of work and the work procedures being utilized by the contractor.

End of Report

MAPLE ENVIRONMENTAL INC.
Environment, Health and Safety Consultants



Jayden Leclerc
Project Technologist

ATTACHMENT A:

ANALYTICAL REPORT FOR ASBESTOS BULK SAMPLES

Laboratory Analysis Report

To:

Jayden Leclerc
Maple Environmental Inc.
482 South Service Road East, Suite 116
Oakville, Ontario
L6J 2X6

EMC LAB REPORT NUMBER: A112384
Job/Project Name: Bobeaygeon PS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Nov 28/24 **Date Analyzed:** Dec 9/24
Analyst: Elizabeth Mierzynski
Reviewed By: Malgorzata Sybydlo

No. of Phases Analyzed: 10
Job No: 22134
Number of Samples: 10
Date Reported: Dec 9/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S01A	A112384-1	Masonry Filler / 1969, Ebase 135	Off white, primer	ND		2	98
S01B	A112384-2	Masonry Filler / 1969, Ebase 160	Off white, primer	Chrysotile	1		99
S01C	A112384-3	Masonry Filler / 1969, Ebase 137	Blue, primer	ND			100
S01D	A112384-4	Masonry Filler / 1969, Ebase 140	Off white, primer	ND			100
S01E	A112384-5	Masonry Filler / 1969, Ebase 142	Off white, primer	Chrysotile	<0.5		100
S01F	A112384-6	Masonry Filler / 1969, Ebase 157	White, primer	Chrysotile	<0.5		100
S01G	A112384-7	Masonry Filler / 1969, Ebase 155	Off white, primer	ND		2	98
S01H	A112384-8	Masonry Filler / 1969, Ebase 149	Off white and grey, primer	ND			100
S01I	A112384-9	Masonry Filler / 1969, Ebase 144	Off white and grey, primer	ND			100
S01J	A112384-10	Masonry Filler / 1969, Ebase 147	Off white and grey, primer	ND			100

Note:

1. Bulk 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. 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).
3. 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.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.

ATTACHMENT B:
DRAWINGS

LEGEND

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Ebase Number

S-xxx

Masonry Filler Sample Number

CONFIRMED ACM

SYMBOL	DESCRIPTION
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Masonry Filler Containing Asbestos

For Detailed Information as to Location, Type, Quantity, Condition and Access to ACM, Please Refer to the Room-by-Room Sheets Provided in the Report.

Bobcaygeon Public School

30 Balacלאava Street
Bobcaygeon, Ontario

First Floor Plan

Asbestos Masonry Filler Sampling

CLIENT: Trillium Lakelands District School Board

PROJECT NUMBER: 22134-29	DATE: December 2024	DRW BY: J. Leclerc
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SCALE: Not to Scale	CHK BY: K. Prosser
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