

Masonry Filler Asbestos Sample Report

PROJECT INFORMATION			
Client:	Trillium Lakelands District School Board	Date on Site:	November 8, 2024
Project Address:	Fenelon Township Public School 50 Cameron Road, Cameron, ON	Date of Report:	December 18, 2024
Project Location:	Construction Phase 1967 and 1974	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 Fenelon Township Public School located at 50 Cameron Road, Cameron, 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 1967 and 1974 construction phases. A total of fifteen (15) 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
1967	S-01A	Room 107	Off White Primer	None Detected
	S-01B	Room 108	Green Primer	0.5% Chrysotile
	S-01C	Room 104	Off White Primer	0.5% Chrysotile
	S-01D	Room 105	Off White Primer	1% Chrysotile
1974	S-01E	Room 131	Off White Primer	None Detected
	S-01F	Room 131	Off White Primer	None Detected
1967	S-01G	Room 127	Off White Primer	0.5% Chrysotile
	S-01H	Room 115	Off White Primer	1% Chrysotile
	S-01I	Room 123	Off White Primer	0.5% Chrysotile
	S-01J	Room 121	Off White and Yellow Primer	<0.5% Chrysotile
1974	S-02A	Room 120C	White Primer	None Detected
	S-02B	Room 119A	White Primer	None Detected
	S-02C	Room 117	White Primer	None Detected
	S-02D	Room 118	White Primer	None Detected
	S-02E	Room 119	White 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.

Samples S-01E and S-01F were originally indicated to be in the 1967 construction phase, however revised information from TLDSB confirmed them to be in the 1974 phase.

1967 Construction Phase:

Asbestos-containing Masonry Filler was observed to be present in various locations within the 1967 construction phase.

A total of eight (8) representative samples (Sample Set S-01) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample S-01B to S-01D and S-01G to S-01I found that the material contains **Chrysotile asbestos**. Samples S-01A and S-01J found not to contain asbestos.

As noted above a discrepancy was identified during the review of the building drawing. The rooms that samples S-01E and S-01F were collected from were listed as being 1968 construction phase. However, confirmation from Trillium Lakelands District School Board revealed that the room was part of the 1974 construction phase. Samples S-01E and S-01F found not to contain asbestos.

1974 Construction Phase:

Non-asbestos Masonry Filler was observed to be present in various locations within the 1974 construction phase.

Five (5) representative samples (Sample Set S-02) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample Set S-02 confirmed that the material does not contain asbestos.

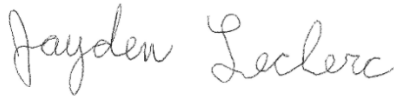
CONCLUSIONS & RECOMMENDATIONS

Based on the results of the sampling, Masonry Filler in the 1967 construction phase was confirmed to contain **Chrysotile asbestos**. At a minimum, all Masonry Filler in the 1967 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.

Based on the results of current sampling, the Masonry Filler in construction Phase 1974 does not contain asbestos. It is recommended that project specific sampling of masonry filler be conducted as part of future designated substance surveys to confirm or deny the presence of asbestos.

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:

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

EMC LAB REPORT NUMBER: A111889
Job/Project Name: Fenelon TWSP PS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Nov 15/24 **Date Analyzed:** Nov 25/24
Analyst: Elizabeth Mierzynski
Reviewed By: Malgorzata Sybydlo

No. of Phases Analyzed: 15
Job No: 22134
Number of Samples: 15
Date Reported: Nov 25/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S01A	A111889-1 ⁵	Masonry filler/ 1967, eBase 107	Off white, primer	ND			100
S01B	A111889-2 ⁵	Masonry filler/ 1967, eBase 108	Green, primer	Chrysotile	0.5		99.5
S01C	A111889-3 ⁵	Masonry filler/ 1967, eBase 104	Off white, primer	Chrysotile	0.5		99.5
S01D	A111889-4 ⁵	Masonry filler/ 1967, eBase 105	Off white, primer	Chrysotile	1		99
S01E	A111889-5 ⁵	Masonry filler/ 1967, eBase 131 main	Off white, primer	ND			100
S01F	A111889-6 ⁵	Masonry filler/ 1967, eBase 131	Off white, primer	ND			100
S01G	A111889-7 ⁵	Masonry filler/ 1967, eBase 127	Off white, primer	Chrysotile	0.5		99.5
S01H	A111889-8 ⁵	Masonry filler/ 1967, eBase 115	Off white, primer	Chrysotile	1		99
S01I	A111889-9 ⁵	Masonry filler/ 1967, eBase 123	Off white, primer	Chrysotile	0.5		99.5
S01J	A111889-10 ⁵	Masonry filler/ 1967, eBase 121	Off white and yellow, primer	Chrysotile	<0.5		100
S02A	A111889-11 ⁵	Masonry filler/ 1974, eBase 120C	White, primer	ND			100
S02B	A111889-12 ⁵	Masonry filler/ 1974, eBase 119A	White, primer	ND			100
S02C	A111889-13 ⁵	Masonry filler/ 1974, eBase 117	White, primer	ND			100
S02D	A111889-14 ⁵	Masonry filler/ 1974, eBase 118	White, primer	ND			100

EMC LAB REPORT NUMBER: A111889

Client's Job/Project Name/No.: 22134

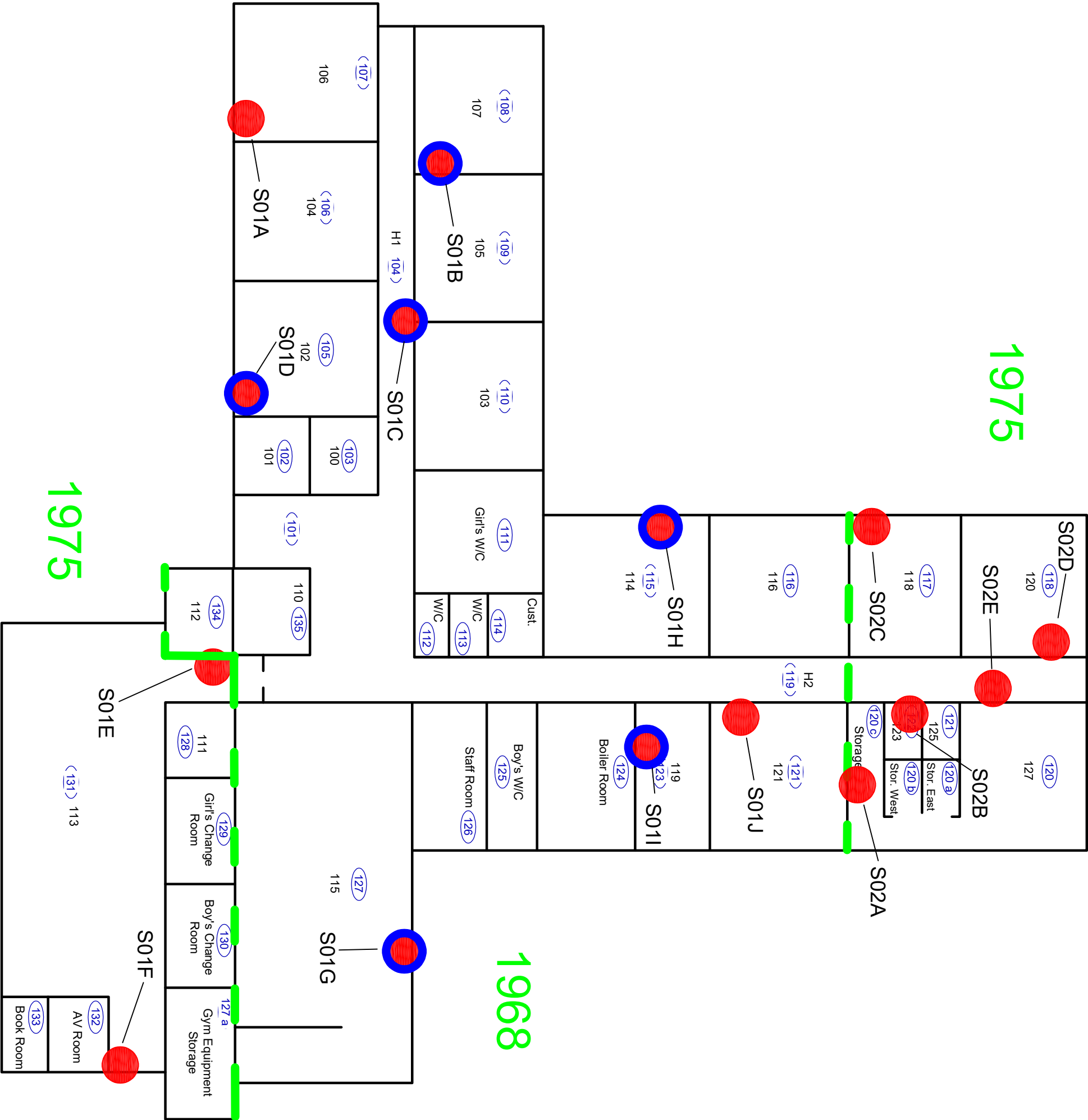
Analyst: Elizabeth Mierzynski

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S02E	A111889-15	Masonry filler/ 1974, eBase 119	White, 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%.
5. Another phase is present but was not analyzed as requested.

ATTACHMENT B:
DRAWINGS



LEGEND

#	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.

Fenelon Township Public School

50 Cameron Road,
Cameron, Ontario

First Floor Plan

Asbestos Masonry Filler Sampling

CLIENT:

Trillium Lakelands District School Board

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

