

Masonry Filler Asbestos Sample Report

PROJECT INFORMATION			
Client:	Trillium Lakelands District School Board	Date on Site:	October 10, 2024
Project Address:	Haliburton highlands Secondary School 5358 Haliburton County Road 21, Haliburton, ON	Date of Report:	November 11, 2024
Project Location:	Construction Phase 1970, 1952 and 1989	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 Haliburton highlands Secondary School located at 5358 Haliburton County Road 21, Haliburton, 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 1970, 1952 and 1989 construction phases. Samples were not collected from the 1997 phase. 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
1970	S-01A	Room 102a	White Primer	None Detected
	S-01B	Room 105	White Primer	None Detected
	S-01C	Room 102a	White Primer	None Detected
	S-01D	Room 145	Grey Primer	1% Chrysotile
	S-01E	Room 133	Grey Primer	1% Chrysotile
	S-01F	Room 127	Light Green Primer	None Detected
1952	S-02A	Room 181	Masonry Primer	Not present
	S-02B	Room 181	Grey primer	None Detected
	S-02C	Room 181	White Primer	None Detected
1989	S-03A	Room 106	White Primer	None Detected
	S-03B	Room 107	White Primer	None Detected
	S-03C	Room 107	White Primer	None Detected
	S-03D	Room 154	White Primer	None Detected
	S-03E	Room 155	White Primer	None Detected
	S-03F	Room 156	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.

1970 Construction Phase:

Asbestos-containing Masonry Filler was observed to be present in various locations within the 1970 construction phase.

A total of six (6) representative samples (Sample Set S-01) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample S-01D and S-01E found that the material contains **1% Chrysotile asbestos**. Samples S-01A to S-01C and S-01F were found not to contain asbestos.

1952 Construction Phase:

Non-asbestos Masonry Filler was observed to be present in various locations within the 1952 construction phase.

Three (3) 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.

1989 Construction Phase:

Non-asbestos Masonry Filler was observed to be present in various locations within the 1989 construction phase.

Three (3) representative samples (Sample Set S-03) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample Set S-03 confirmed that the material does not contain asbestos.

CONCLUSIONS & RECOMMENDATIONS

Based on the results of the sampling, Masonry Filler in the 1970 construction phase was confirmed to contain **Chrysotile asbestos**. As such, all Masonry Filler in the 1970 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 1952 and 1989 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.

In addition, further sampling should be considered prior to undertaking projects that would disturb masonry filler in construction phases that preceded the construction phase identified as containing asbestos in the event there was overlap of scope during that construction phase.

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: A110577
Job/Project Name: Haliburton Highland SS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Oct 15/24 **Date Analyzed:** Oct 22/24
Analyst: Katelyn Stolte
Reviewed By: Malgorzata Sybydlo

No. of Phases Analyzed: 14
Job No: 22134
Number of Samples: 15
Date Reported: Oct 22/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S01A	A110577-1 ²	Masonry filler/ 1970, room 102a	White, primer	ND			100
S01B	A110577-2 ⁵	Masonry filler/ 1970, room 105	White, primer	ND			100
S01C	A110577-3 ⁵	Masonry filler/ 1970, room 102a	White, primer	ND			100
S01D	A110577-4 ⁵	Masonry filler/ 1970, room 145	Grey, primer	Chrysotile	1	1	98
S01E	A110577-5 ⁵	Masonry filler/ 1970, room 133	Grey, primer	Chrysotile	1	1	98
S01F	A110577-6 ⁵	Masonry filler/ 1970, room 127	Light green, primer	ND			100
S02A	A110577-7 ⁵	Masonry filler/ 1952, room 181	Primer - not present				
S02B	A110577-8 ⁵	Masonry filler/ 1952, room 181	Grey, primer	ND			100
S02C	A110577-9 ⁵	Masonry filler/ 1952, room 181	Grey, primer	ND			100
S03A	A110577-10 ⁵	Masonry filler/ 1989, room 106	White, primer	ND			100
S03B	A110577-11 ⁵	Masonry filler/ 1989, room 107	White, primer	ND			100
S03C	A110577-12 ⁵	Masonry filler/ 1989, room 107	White, primer	ND			100
S03D	A110577-13 ⁵	Masonry filler/ 1989, room 154	White, primer	ND			100
S03E	A110577-14 ⁵	Masonry filler/ 1989, room 155	White, primer	ND			100

EMC LAB REPORT NUMBER: A110577

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

Analyst: Katelyn Stolte

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S03F	A110577-15 ⁵	Masonry filler/ 1989, room 156	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.

WWW.BID2WIN.TENDER2.COM - ORIGINAL DOCUMENT SOURCE
TO DOWNLOAD AN UNMARKED VERSION OF THIS FILE
YOU MUST BE A REGISTERED B2W USER

BREVIEW

ATTACHMENT B: DRAWINGS

LEGEND	
#	Ebase Number
S-xxx	Masonry Filler Sample Number

CONFIRMED ACM	
SYMBOL	DESCRIPTION



Masonry Filler Containing Asbestos

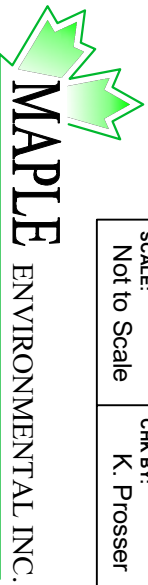
For Detailed Information as to Location, Type, Quantity, Condition and Access to ACM, Please Refer to the Room-by-Room Sheets Provided in the Report.	
---	--

Haliburton Highlands Secondary School HWY 121 at CTY Road 1 Haliburton, Ontario	
--	--

First Floor Plan Asbestos Masonry Filler Sampling	
---	--

CLIENT: Trillium Lakelands District School Board	
--	--

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



MAPLE ENVIRONMENTAL INC.
ENVIRONMENT, HEALTH & SAFETY CONSULTANTS

