



Asbestos Reassessment

St. Kateri Tekakwitha
22 Queensbury Drive, Hamilton,
Ontario

Prepared for:

**Hamilton-Wentworth Catholic
District School Board**

90 Mulberry Street
Hamilton, Ontario, L8N 3R9

May 15, 2023

Pinchin File: 320582.001



Asbestos Reassessment

St. Kateri Tekakwitha, 22 Queensbury Drive, Hamilton, Ontario
Hamilton-Wentworth Catholic District School Board

May 15, 2023
Pinchin File: 320582.001

Issued to: Hamilton-Wentworth Catholic District
School Board
Issued on: May 15, 2023
Pinchin File: 320582.001
Issuing Office: Hamilton, ON



Hamilton-Wentworth
Catholic District School Board
Believing. Achieving. Serving

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EXECUTIVE SUMMARY

Hamilton-Wentworth Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at the subject building.

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM), and develop corrective action plans as required for the purposes of long-term management. The results of this reassessment are not intended for construction, renovation, demolition or project tendering purposes.

Summary of Recommendations

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations:

- Perform a reassessment of asbestos-containing materials on an annual basis.
- Perform a pre-construction assessment and remove all asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work.
- Follow appropriate safe work procedures when handling or disturbing asbestos.
- Sample any presumed ACM prior to alteration or maintenance work if presumed ACM may be disturbed by the work.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



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1.0 INTRODUCTION AND SCOPE

Hamilton-Wentworth Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at St. Kateri Tekakwitha located at 22 Queensbury Drive, Hamilton, Ontario.

The reassessment was performed on March 29, 2023.

The objectives of the reassessment were to document the locations, quantities and conditions of previously identified asbestos-containing building materials and develop corrective action plans as required. This reassessment is only to be used for the purposes of long-term management and routine maintenance. The results of this reassessment are not to be used for construction, renovation, demolition or project tendering purposes.

1.1 Scope of Assessment and Methodology

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM) and develop corrective action plans as required.

Pinchin conducted a review of previously identified asbestos-containing materials (ACM) to evaluate the current condition of all accessible ACMs identified in the most recent assessment.

As per the original scope of work, concealed locations such as ceiling spaces above solid ceilings, shafts and chases were accessed via existing access panels. Our investigation did not include demolition of drywall or plaster walls to view concealed conditions. Structural items or exterior building finishes were not removed to determine the presence of concealed materials.

For further details on the methodology including test methods, refer to Appendix VI.

2.0 BACKGROUND INFORMATION

2.1 Building Year of Construction

Item	Details
Year of Construction	1978

2.2 Existing Reports

2.2.1 Review of Previous Reports

Pinchin previously prepared the following report, which has been reviewed and relied upon as part of this assessment:

- Asbestos Reassessment, St. Kateri Tekakwitha, 22 Queensbury Drive, Hamilton, Ontario, August 2022, Prepared by Pinchin Ltd., Pinchin File: 303992.004.



3.0 FINDINGS

The following section summarizes the findings of the reassessment and provides a general description of the asbestos materials identified. The previously identified ACMs were observed to be in good condition.

Previous analytical sample results have been relied upon and were included in the original asbestos assessment report completed by MTE Consultants Inc. Additional samples results were collected by Pinchin have been included in Appendix I.

3.1 Excluded Asbestos Materials


A number of materials which might contain asbestos were not sampled during this reassessment due to limitations in scope and methodology. Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis. These materials are not shown on the drawings in Appendix V. Excluded materials presumed to contain asbestos include:




- Roofing felts and tar, mastics
- Floor levelling compound
- Ceramic tile setting compound
- Electrical components
- Mechanical packing, ropes and gaskets
- Vermiculite
- Adhesives and duct mastics
- Caulking and putties
- Fibre-reinforced paints and coatings
- Paper products
- Soffit and fascia boards
- Fire resistant doors
- Stucco, plaster or other cementitious parge coatings
- Vibration dampers on HVAC equipment
- Terrazzo
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads




3.2 Summary of Building Materials


This section includes a summary of materials that have been confirmed asbestos-containing by sample analysis, presumed asbestos-containing by visual identification, or confirmed non-asbestos by sampling or based on the manufacture date and known end of use of asbestos in these products.

The locations of samples from the historical assessments performed by Pinchin, have been included on the drawings in Appendix V.

Material and Application	Asbestos Type	Photo
Pipes are either uninsulated or insulated with non-asbestos fibreglass or elastomeric insulation (Armaflex).	None	
Ducts are either uninsulated or insulated with non-asbestos fibreglass.	None	
Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.	None	
All ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles (2007).	None	
Textured plaster is present as a ceiling/soffit finish	Chrysotile	
Smooth plaster is present as ceiling finishes	None Detected	
Drywall joint compound is present as a wall and ceiling finish.	None Detected	

Material and Application	Asbestos Type	Photo
Transite pipe is present as rainwater leaders.	Presumed	
Vinyl floor tiles, 12"x12", cream with purple streaks are present.	Chrysotile (tile) None Detected (mastic)	
Vinyl floor tiles, 12"x12", white with grey streaks are present.	Presumed (tile) Presumed (mastic)	

Material and Application	Asbestos Type	Photo
<p>Vinyl floor tiles, 12"x12", beige are present.</p>	<p>Chrysotile (tile) None Detected (mastic)</p>	
<p>Remaining vinyl floor tiles are either non-asbestos based on previous sampling or by the date of installation as reported by the Client.</p> <p>Mastic under non-asbestos vinyl floor tiles is presumed to contain asbestos under sample analysis proves otherwise.</p>	<p>None (tile) Presumed (mastic)</p>	
<p>Gold mastic is present as a sink undercoating.</p>	<p>Presumed</p>	

Material and Application	Asbestos Type	Photo
Silver mastic is present as a sink undercoating.	Presumed	

Additional notes on the drywall joint compound discussed above:

- Drywall (gypsum board) and drywall joint compound is present as a wall and ceiling finish in limited locations in the building. As per the methodology, drywall joint compound is sampled at exterior walls, columns or other locations that are unlikely to have been renovated in an attempt to determine the presence of asbestos in the original drywall compound. A total of 6 samples of drywall joint compound were collected (samples S0006A-C, lab reference no. 51829049 and 0008A-C, lab reference no. b200817) and it was found that all samples do not contain asbestos. Therefore, drywall joint compound present on drywall finishes should be considered to be non-asbestos.

4.0 RECOMMENDATIONS

4.1 General

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include; destructive testing (i.e. coring and/or removal of building finishes and components), sampling of other hazardous materials (lead, mercury, PCBs, mould, etc.), and materials not tested in this study (i.e. excluded asbestos materials).

4.2 Remedial Work

There is no remedial work recommended.

4.3 On-going Management and Maintenance

The following recommendations are made regarding on-going management and maintenance work involving the asbestos materials identified.

4.3.1 Asbestos

Maintain the Asbestos Management Program (AMP).



Asbestos Reassessment

St. Kateri Tekakwitha, 22 Queensbury Drive, Hamilton, Ontario
Hamilton-Wentworth Catholic District School Board

May 15, 2023
Pinchin File: 320582.001

Perform a reassessment of asbestos materials on an annual basis.

Remove asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Sample presumed ACM prior to alteration or maintenance work if the presumed ACM may be disturbed by the work.

Update the asbestos inventory report upon completion of any abatement and removal of asbestos-containing materials.

5.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.

\\PIN-HAM-FS02\job\320000s\0320582.000 HWCDSB,Various2023Projects,ASB,CONS\0320582.001 HWCDSB,Various,ReportUpdates,ASB,REASSMT\Deliverables\Reassess\St. Kateri Tekakwitha\Report\320582.001 St Kateri Tekakwitha ACM Reassessment Report HWCDSB May 15 2023.docx

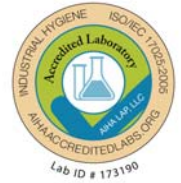
Template: Master Report for Asbestos Reassessment, HAZ, April 23, 2019

APPENDIX I
Asbestos Analytical Certificates



Bulk Asbestos Analysis

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



Customer: Pinchin Ltd.
 6-875 Main St West
 Suite 200
 Hamilton, Ontario L8S 4P9

Attn: Michael Maiorana
 Frank Rossi

Lab Order ID: 51829049
Analysis ID: 51829049_PLM
Date Received: 11/6/2018
Date Reported: 11/9/2018

Project: 230748,22 Queensbury Drive, Hamilton,Hamilton-Wentworth Catholic School Board,WO #031468

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0005A - A	Texture plaster ceiling Vestibule Location 1040	2% Chrysotile		98% Other	White Non Fibrous Homogeneous
51829049PLM_1	textured finish				Crushed
0005A - B	Texture plaster ceiling Vestibule Location 1040	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_12	base				Crushed
0005B - A	Texture plaster ceiling Vestibule Location 1040	2% Chrysotile		98% Other	White Non Fibrous Homogeneous
51829049PLM_2	textured finish				Crushed
0005B - B	Texture plaster ceiling Vestibule Location 1040	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_13	base				Crushed
0005C - A	Texture plaster ceiling Vestibule Location 1040	2% Chrysotile		98% Other	White Non Fibrous Homogeneous
51829049PLM_3	textured finish				Crushed
0005C - B	Texture plaster ceiling Vestibule Location 1040	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_14	base				Crushed
0006A	Drywall joint compound ceiling Location 1026	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_4					Crushed
0006B	Drywall joint compound ceiling Location 1026	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_5					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 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%.

Bethany Nichols (19)

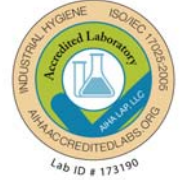
Analyst

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: Pinchin Ltd.
 6-875 Main St West
 Suite 200
 Hamilton, Ontario L8S 4P9

Attn: Michael Maiorana
 Frank Rossi

Lab Order ID: 51829049
Analysis ID: 51829049_PLM
Date Received: 11/6/2018
Date Reported: 11/9/2018

Project: 230748,22 Queensbury Drive, Hamilton,Hamilton-Wentworth Catholic School Board,WO #031468

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0006C	Drywall joint compound ceiling Location 1026	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_6					Crushed
0007A - A	Smooth plaster ceiling Location 1010	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_7	finish				Crushed
0007A - B	Smooth plaster ceiling Location 1010	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_15	base				Crushed
0007B - A	Smooth plaster ceiling Location 1012	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_8	finish				Crushed
0007B - B	Smooth plaster ceiling Location 1012	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_16	base				Crushed
0007C - A	Smooth plaster ceiling Location 1016	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_9	finish				Crushed
0007C - B	Smooth plaster ceiling Location 1016	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_17	base				Crushed
0007D - A	Smooth plaster ceiling Location 1025	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_10	finish				Crushed

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Bethany Nichols (19)

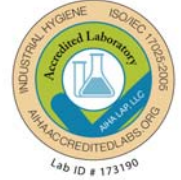
Analyst

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: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Michael Maiorana
Frank Rossi

Lab Order ID: 51829049
Analysis ID: 51829049_PLM
Date Received: 11/6/2018
Date Reported: 11/9/2018

Project: 230748,22 Queensbury Drive, Hamilton,Hamilton-Wentworth Catholic School Board,WO #031468

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0007D - B	Smooth plaster ceiling Location 1025	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_18	base				Crushed
0007E - A	Smooth plaster ceiling Location 1032	None Detected		100% Other	White Non Fibrous Homogeneous
51829049PLM_11	finish				Crushed
0007E - B	Smooth plaster ceiling Location 1032	None Detected		100% Other	Gray Non Fibrous Homogeneous
51829049PLM_19	base				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 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%.

Bethany Nichols (19)

Analyst

Approved Signatory

51829049

Version 1-15-2012

Client: Pinchin Ltd.
Contact: Michael Maiorana
 875 Main Street W., Unit 11
 Hamilton, ON L8S 4R9
Address:
Phone: 905-577-6206
Fax: 905-577-6207
Email: frossi@pinchin.com
mmaiorana@pinchin.com

Project: 230748,22 Queensbury Drive,
 Hamilton,Hamilton-Wentworth
 Catholic School Board,WO #031468

Client Notes:

P.O. #: 230748

Date Submitted: November 5,2018

Analysis: PLM - Stop Positive EXCEPT Do
 not do stop positive on any
 sample sets
TurnAroundTime: 4days

***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.

Invoice to:



Scientific
 Analytical
 Institute

4604 Dundas Dr.
 Greensboro, NC 27407
 Phone: 336.292.3888

Fax: 336.292.3313
 Email: lab@sailab.com

Sample Number Data 1 (Lab Use Only) Sample Description Data 2 (Lab Use Only)

<<			
0005A		Texture plaster ceiling Vestibule Location 1040	
0005B		Texture plaster ceiling Vestibule Location 1040	
0005C		Texture plaster ceiling Vestibule Location 1040	
0006A		Drywall joint compound ceiling Location 1026	
0006B		Drywall joint compound ceiling Location 1026	
0006C		Drywall joint compound ceiling Location 1026	
0007A		Smooth plaster ceiling Location 1010	
0007B		Smooth plaster ceiling Location 1012	
0007C		Smooth plaster ceiling Location 1016	
0007D		Smooth plaster ceiling/Location 1025	
0007E		Smooth plaster ceiling Location 1032	
>>			

Blahulley 11/6
 1030A

Accepted
 Rejected



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton-Wentworth Catholic School Board, 22 Queensbury Drive, Hamilton, ON		
Project No.:	0230748.000		
Prepared For:	F. Rossi		
Lab Reference No.:	b200817		
Analyst(s):	R. Dacey / K. Cockburn / N. Barinque		
Date Received:	November 20, 2018	# Samples submitted:	3
Date Analyzed:	November 27, 2018	# Phases analyzed:	6

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Alberta	Undefined
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
PEI, NWT, Yukon, Nunavut, Newfoundland and Labrador, and New Brunswick	1%	Manitoba	0.1% friable 1% non-friable

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton-Wentworth Catholic School Board,
22 Queensbury Drive, Hamilton, ON
Project No.: 0230748.000
Prepared For: F. Rossi

Lab Reference No.: b200817
Date Analyzed: November 27, 2018

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0008A Drywall Joint Compound on wall in Gym (Loc 1009) - East Wall	Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
0008B Drywall Joint Compound on wall in Gym (Loc 1009) - North Wall	3 Phases: a) Homogeneous, white, hard, cementitious material. b) Homogeneous, white, drywall joint compound. c) Homogeneous, off-white, caulking material.	None Detected None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase b) is small in size.		
0008C Drywall Joint Compound on wall in Gym (Loc 1009) - West Wall	2 Phases: a) Homogeneous, off-white, hard, cementitious material. b) Homogeneous, grey, hard, cementitious material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required.		

Reviewed by:

Reporting Analyst:

Analyzed by: RR
 Reviewed by: [Signature]
 Report Sent by: [Signature]

Special Instructions:

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton-Wentworth Catholic School Board	Project Address:	22 Queensbury Drive, Hamilton
Portfolio/Building No:	WO #031468	Pinchin File:	230748(WO: 031468)
Submitted by:	Michael Maiorana	Email:	mmaiorana@pinchin.com
CC Results to:	Frank Rossi	CC Email:	frossi@pinchin.com
Invoice to:	Accounts Payable	Invoice Email:	ap@pinchin.com
Date Submitted:	November 19 2018	Required by:	November 26 2018
# of Samples:	3	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):	1978		
Do NOT Stop on Positive (Sample Numbers):	Do not do stop positive on any sample sets		
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	<u>V70087</u>	Time:	24 hour clock
Received by:	<u>NOV 20 2018</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>RR/RC/MB</u>	<u>11/27/18</u>	<u>(6)</u>

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0008	A	Drywall joint compound on wall in Gym (Loc 1009) <u>East wall</u> <u>ND</u>
	0008	B	Drywall joint compound on wall in Gym (Loc 1009) <u>North wall</u> <u>(2)ND (1)ND (1)ND</u>
	0008	C	Drywall joint compound on wall in Gym (Loc 1009) <u>West wall</u> <u>(1)ND (1)ND</u>

APPENDIX II
Location List

Client: Hamilton-Wentworth Catholic District Sch
 Building Name: St. Kateri Tekakwitha
 Survey Date: 2018-07-12
 Building Phases: A: 1978

Site: 22 Queensbury Dr., Hamilton, ON
 Last Re-Assessment: 2023-03-29

Location No.	Name or Description	Area ft ²	Floor No.	Bldg. Phase	Notes
1	Presumed Asbestos-Containing Materials	0	1	A	Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis.
1001	Science Room	0	1	A	
1002	Classroom	0	1	A	
1003	Classroom	0	1	A	
1004	Classroom	0	1	A	
1005	Storage	0	1	A	
1006	Home Economics	0	1	A	
1007	Gymnasium Storage	0	1	A	
1008	Gymnasium	0	1	A	
1009	Stage	0	1	A	
1010	Boys Washroom	0	1	A	
1011	Girls Washroom	0	1	A	
1012	Mechanical Room Stairwell	0	1	A	
1013	Mechanical Room	0	1	A	
1014	Custodian Workroom	0	1	A	
1015	Office	0	1	A	
1016	Womens Washroom	0	1	A	
1017	Mens Washroom	0	1	A	
1018	Special Education	0	1	A	
1019	Guidance Office	0	1	A	
1020	Classroom	0	1	A	
1021	Classroom	0	1	A	
1022	Library	0	1	A	
1023	Open Classrooms	0	1	A	
1024	Kindergarten	0	1	A	
1025	Kindergarten Washroom	0	1	A	
1026	Kindergarten Washroom	0	1	A	
1027	Classroom	0	1	A	
1028	Classroom	0	1	A	
1029	Classroom	0	1	A	
1030	Staff/Copy room	0	1	A	
1031	Principals Office	0	1	A	
1032	Corridor	0	1	A	
1033	Handicap Washroom	0	1	A	
1034	Lounge	0	1	A	
1035	Custodian Storage	0	1	A	
1036	Language Arts	0	1	A	
1037	Principals Washroom	0	1	A	
1038	Open Area	0	1	A	
1039	Storage	0	1	A	
1040	Vestibule	0	1	A	

APPENDIX III
Hazardous Materials Summary / Sample Log Report

Client: Hamilton-Wentworth Catholic District Sch

Site: 22 Queensbury Dr., Hamilton, ON

Building Name: St. Kateri Tekakwitha

Survey Date: 2018-07-12

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 A	Floor Vinyl Floor Tile And Mastic 12x12 White With Light Fleck (previously Sampled, 11-apr-14)	1024	A	0	0	0	100	None Detected	No	
Asbestos	V0002	Floor Vinyl Floor Tile And Mastic 12x12 Beige Marble (mte Sample S02, Sampled 11-apr-14)	1021,1022,1023,1024,1027	A	0	0	0	100	None Detected	No	
Asbestos	S0004 A	Floor Vinyl Floor Tile And Mastic 12x12 Grey With Brown Marbling (mte Sample, 11-apr-14)	1027	A	0	0	0	100	None Detected	No	
Asbestos	S0005 ABC	Ceiling Plaster Textured Plaster	1040	A	0	0	0	100	Chrysotile	Yes	PF
Asbestos	S0006 ABC	Ceiling Drywall And Joint Compound	1026	A	0	0	0	100	None Detected	No	
Asbestos	S0007 ABCDE	Ceiling Plaster	1010,1011,1012,1016,1017,1025,1032,1035,1037,1039	A	0	0	0	100	None Detected	No	
Asbestos	S0008 ABC	Wall Drywall And Joint Compound	1008,1009	A	0	0	0	100	None Detected	No	
Asbestos	V9000	Floor Vinyl Floor Tile 12x12 Beige (hwcdsb Sample, Paracel Labs #2302346), 12x12 Cream With Purple Streaks (hwcdsb Sample, Paracel Labs #2302346)	1008,1009	A	0	50	0	100	Confirmed Asbestos	Yes	NF
Asbestos	V9500	Floor Mastic	1015,1020,1033,1034,1036	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Floor Vinyl Floor Tile And Mastic 12x12 Beige, 12x12 Cream With Purple Streaks, 12x12 White With Black Streaks, 12x12 White With Grey Streaks	1001,1002,1003,1004,1005,1006,1007,1014,1018,1022,1023,1028,1029,1030,1031,1037,1039	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other Sink Mastic, Gold Undercoating	1002,1003,1006,1028,1029,1030	A	0	0	9	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other Sink Mastic, Silver Undercoating	1001	A	0	0	11	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other N/a Roofing Felts And Tar, Mastics, Floor Levelling Compound, Ceramic Tile Setting Compound, Electrical Components, Mechanical Packing, Ropes And Gaskets, Vermiculite, Adhesives And Duct Mastics, Caulking And Putties, Fibre-reinforced Paints And Coatings, Paper Products, Soffit And Fascia Boards, Fire Resistant Doors, Stucco, Plaster Or Other Cementitious Parge Coatings, Vibration Dampers On Hvac Equipment, Ropes And Gaskets In Cast-iron Bell And Spigot Joints, Sealants On Pipe Threads	1	A	0	0	0	100	Presumed Asbestos	Yes	NF

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V9500	Piping Rain Water Leader Cement Product	1008,1009,1032	A	115	0	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling Ceiling Tiles (lay-in) 2' X 4' Small And Irregular Pinhole (2007)	1001,1002,1003,1004,1005,1006,1015,1021,1032	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling Ceiling Tiles (lay-in) 2007	1011	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling Acoustic Tile Ceiling Tiles (lay-in) 24x48 Pinhole With Fleck (new Install)	1036	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling Ceiling Tiles (lay-in) 2x4 Small And Irregular Pinhole (2007)	1019,1020,1022,1023,1024,1027,1028,1029,1033,1034,1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling Ceiling Tiles (lay-in) 2x4 Small And Irregular Pinhole.	1030,1031	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Duct Fibreglass	1001,1002,1003,1004,1005,1006,1015,1019,1020,1021,1022,1023,1024,1027,1028,1029,1030,1031,1033,1034,1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Carpet	1018	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Ceramic Tiles	1035	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Concrete (poured)	1012	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Concrete (poured) Concrete Unfinished.	1013	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Mastic Hwcdsb Sample, Parcel Labs #2302346	1009	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor Mastic Hwcdsb Sample, Parcel Labs #2302346	1008	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor Terrazzo	1010,1016,1017,1032,1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Terrazzo Terrazzo Floor.	1011	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile 12x12 Beige With Multi-coloured Streaks (post-2011 Install)	1005,1015,1033,1034	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile 12x12 Brown With Dark Brown And White Streaks (post-2018 Install)	1028	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile 12x12 Grey With Dark Grey And White Streaks (post-2018 Install)	1029	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile 12x12 Pink Marble (post-2011 Install)	1020	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile (no Mastic) 12x12 Pink Marble (post-2011 Install)	1036	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Vinyl Floor Tile And Mastic 12x12 Grey With Dark Grey Fleck (post-2020 Install)	1035	A	0	0	0	0	Non Asbestos	No	

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0000	Floor Vinyl Floor Tile And Mastic 12x12 Pink Marble (post-2011 Install)	1019	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor Wood	1009	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Piping Fibreglass	1001,1002,1003,1004,1005,1006,1007,1008,1009 1013,1014,1015,1018,1019,1020,1021,1022,1023 1024,1027,1028,1029,1030,1031,1033,1034,1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Structure Deck Steel	1007,1008,1009,1012,1013,1014,1018	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall Ceramic Tiles	1035	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall Masonry	1001,1002,1003,1004,1005,1006,1007,1009,1010 1011,1012,1013,1014,1015,1016,1017,1018,1019 1020,1021,1022,1023,1024,1025,1026,1027,1028 1029,1030,1031,1032,1033,1034,1035,1036,1037 1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall Steel	1012	A	0	0	0	100	Non Asbestos	No	

Legend:

Sample number		Units			
S####	Asbestos sample collected	SF	Square feet	NF	Non Friable material.
L####	Paint sample collected	LF	Linear feet	F	Friable material
P####	PCB sample collected	EA	Each	PF	Potentially Friable material
M####	Mould sample collected	%	Percentage		
V####	Material visually similar to numbered sample collected				
V0000	Known non Hazardous Material				
V9000	Material is visually identified as Hazardous Material				
V9500	Material is presumed to be Hazardous Material				
[Loc. No.]	Abated Material				

APPENDIX IV
All Data Report

Client: Hamilton-Wentworth Catholic District Sch
Location: #1 : Presumed Asbestos-Containing Materials
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Other		N/A, Roofing felts and tar, mastics, Floor levelling compound, Ceramic tile setting compound, Electrical components, Mechanical packing, ropes and gaskets, Vermiculite, Adhesives and duct mastics, Caulking and putties, Fibre-reinforced paints and coatings, Paper products, Soffit and fascia boards, Fire resistant doors, Stucco, plaster or other cementitious parge coatings, Vibration dampers on HVAC equipment, Ropes and gaskets in cast-iron bell and spigot joints, Sealants on pipe threads			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF

Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis.

Client: Hamilton-Wentworth Catholic District Sch
Location: #1001 : Science Room
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Sink	Mastic, Silver, undercoating			A	N		11(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1002 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with black streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Sink	Mastic, Gold, undercoating			A	N		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1003 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with black streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Sink	Mastic, Gold, undercoating			A	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1004 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1005 : Storage
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 beige with multi-coloured streaks (post-2011 install)			A	Y						V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1006 : Home Economics
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Sink	Mastic, Gold			A	N		4(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1007 : Gymnasium Storage
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Vinyl Floor Tile and Mastic, 12x12 beige			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1008 : Gymnasium
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mastic, HWCDSB sample, Paracel Labs #2302346		Vinyl Floor Tile	D	N						V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile, 12x12 beige (HWCDSB sample, Paracel Labs #2302346)			A	Y		100(7)			%	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 cream with purple streaks (HWCDSB sample, Paracel Labs #2302346)			A	Y		100(7)			%	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		100			%	V0000	Non-Asbestos		None	
Piping	Rain Water Leader	Cement Product			C	Y		60(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			C	Y		100			%	S0008C	None Detected		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch
Location: #1009 : Stage
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Wood			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic, HWCDSB Sample, Paracel Labs #2302346		Vinyl Floor Tile	D	N						V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile, 12x12 beige (HWCDSB sample, Paracel Labs #2302346)			A	Y		50(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Piping ¹	Rain Water Leader	Cement Product			B	Y		40(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			C	Y		100			%	S0008AB	None Detected		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

1 - In wall hatch and presumed covered with fibreglass at elevated heights

Client: Hamilton-Wentworth Catholic District Sch
Location: #1010 : Boys Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	S0007A	None Detected		None	
Floor		Terrazzo			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1011 : Girls Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2007			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Plaster, plaster ceiling			C	Y		100			%	V0007	None Detected		None	
Floor		Terrazzo, Terrazzo floor.			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Not Insulated			C	Y										
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1012 : Mechanical Room Stairwell
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster, Vestibule and bottom landing.			C	Y		100			%	S0007B	None Detected		None	
Floor		Concrete (poured)			B	Y		100			%	V0000	Non-Asbestos		None	
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Steel		Paint	B	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			B	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1013 : Mechanical Room
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Fibreglass			B	Y										
Floor		Concrete (poured), concrete unfinished.			B	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			B	Y		100			%	V0000	Non-Asbestos		None	
Piping	Rain Water Leader	Metal		Not Insulated	B	Y										
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			B	Y		100			%	V0000	Non-Asbestos		None	
Wall		Metal			A	Y										

Client: Hamilton-Wentworth Catholic District Sch
Location: #1014 : Custodian Workroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			A	Y		100			%	V0000	Non-Asbestos		None	
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1015 : Office
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 beige with multi-coloured streaks (post-2011 install)			A	Y						V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1016 : Womens Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	S0007C	None Detected		None	
Floor		Terrazzo			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1017 : Mens Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	V0007	None Detected		None	
Floor		Terrazzo			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1018 : Special Education
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Carpet			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	Y		100			%	V0000	Non-Asbestos		None	
Structure	Deck	Steel			C	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1019 : Guidance Office
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with light fleck (previously sampled, 11-Apr-14)			A	Y		100			%	S0001A	[None]	N.D.	[Abated]	
Floor		Vinyl Floor Tile and Mastic, 12x12 pink marble (post-2011 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y					%					
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1020 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 pink marble (post-2011 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1021 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige marble (MTE sample S02, sampled 11-Apr-14)			A	Y						V0002	None Detected		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1022 : Library
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige marble (MTE sample S02, sampled 11-Apr-14)			A	Y						V0002	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with grey streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1023 : Open Classrooms
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12x12 white with grey streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12x12 beige marble (MTE sample S02, sampled 11-Apr-14)			A	Y						V0002	None Detected		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1024 : Kindergarten
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with light fleck (previously sampled, 11-Apr-14)				Y		100			%	S0001A	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige marble (MTE sample S02, sampled 11-Apr-14)			A	Y		100			%	V0002	None Detected		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1025 : Kindergarten Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	S0007D	None Detected		None	
Floor		Ceramic Tiles			A	Y					%					
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1026 : Kindergarten Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	S0006ABC	None Detected		None	
Floor		Ceramic Tiles			A	Y					%					
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1027 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 grey with brown marbling (MTE sample, 11-Apr-14)			A	Y		100			%	S0004A	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige marble (MTE sample S02, sampled 11-Apr-14)			A	Y		100			%	V0002	None Detected		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1028 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with grey streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 brown with dark brown and white streaks (post-2018 install)			A	Y						V0000	Non-Asbestos		None	
Other	Sink	Mastic, Gold, undercoating			A	N		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1029 : Classroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white with grey streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 grey with dark grey and white streaks (post-2018 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Other	Sink	Mastic, Gold, undercoating						1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1030 : Staff/Copy room
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole.			A	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Sink	Mastic, Gold			A	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1031 : Principals Office
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole.			A	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1032 : Corridor
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2' x 4' small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling ¹		Plaster			C	Y		100			%	S0007E	None Detected		None	
Floor		Terrazzo			A	Y		100			%	V0000	Non-Asbestos		None	
Piping ²		Cement Product			B	N		15(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

1 - Vestibules

2 - Visible behind wall hatch.

Client: Hamilton-Wentworth Catholic District Sch
Location: #1033 : Handicap Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 beige with multi-coloured streaks (post-2011 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1034 : Lounge
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 beige with multi-coloured streaks (post-2011 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1035 : Custodian Storage
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			A	Y		100			%	V0007	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 grey with dark grey fleck (post-2020 install)			A	Y						V0000	Non-Asbestos		None	
Floor		Ceramic Tiles			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile, 12x12 cream with purple streaks (HWCDSD sample AGAT 19H424899)			A	Y		100			%	V9000	[None]		[Abated]	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Ceramic Tiles			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1036 : Language Arts
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	V0007	[None]		[Abated]	
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 24x48 pinhole with fleck (new install)			C	Y						V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 pink marble (post-2011 install)			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1037 : Principals Washroom
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	V0007	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1038 : Open Area
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x4 small and irregular pinhole (2007)			C	Y		100			%	V0000	Non-Asbestos		None	
Duct		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Floor		Terrazzo			A	Y		100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth Catholic District Sch
Location: #1039 : Storage
Survey Date: 2018-07-12

Site: Elementary
Floor: 1

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y		100			%	V0007	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 cream with purple streaks			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	Y										
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch
Location: #1040 : Vestibule
Survey Date: 2018-07-12

Site: Elementary
Floor: Basement (0)

Building Name: St. Kateri Tekakwitha
Room #:
Last Re-Assessment: 2023-03-29

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster, Textured plaster			C	Y		100(7)			%	S0005ABC	Chrysotile	0.5-5%	Confirmed Asbestos	PF
Floor		Terrazzo			A	Y										
Wall		Masonry			A	Y										

Legend:



Sample number		Units		Other	
S####	Asbestos sample collected	SF	Square feet	A	Access
V####	Material visually similar to numbered sample collected	LF	Linear feet	V	Visible
V0000	Known non-asbestos material	EA	Each	AP	Air Plenum
V9000	Visually identified as an asbestos material	%	Percentage	F	Friable material
V9500	Material is presumed to be an asbestos material			NF	Non Friable material
				PF	Potentially Friable material

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is known to contain regulated concentrations of asbestos; either by analytical results or visible identification (use of the V9000 code).
	The material is presumed to contain asbestos; based on visual appearances; typically a material known to historically contain asbestos; however, not sampled due to limited access or the destructive nature of the sampling.

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair
(7)	Management program and surveillance				

APPENDIX V
Drawings

NOT ALL KNOWN OR SUSPECTED ASBESTOS-CONTAINING BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE ASBESTOS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED ASBESTOS-CONTAINING BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



905-577-6206

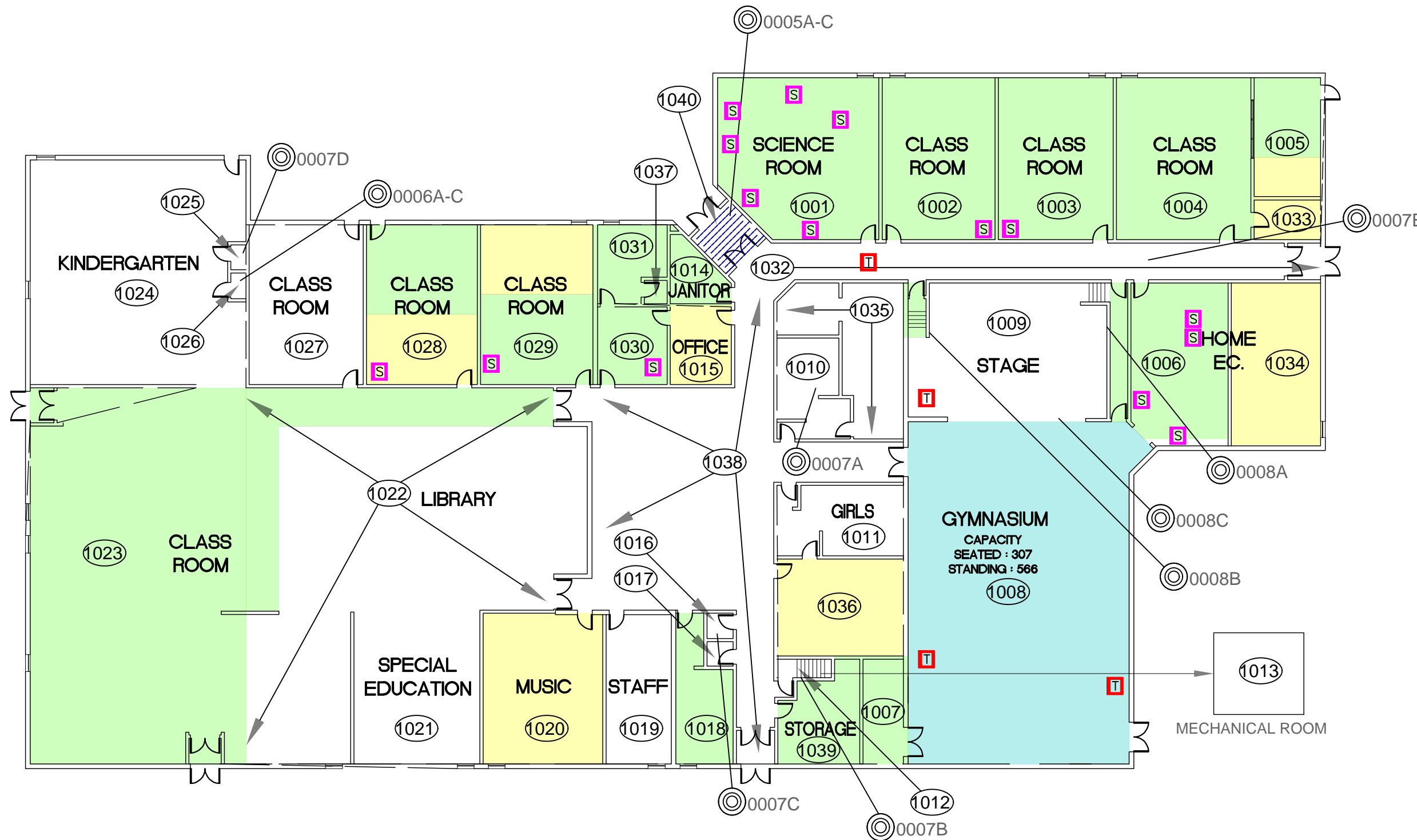
www.pinchin.com

LEGEND:

- (X) LOCATION NUMBER
- (◎) ASBESTOS BULK SAMPLE

ASBESTOS-CONTAINING MATERIALS:

- (T) TRANSITE PIPE
- (S) SINK UNDERCOATING
- VINYL FLOOR TILES & MASTIC
- MASTIC UNDER VINYL FLOOR TILE
- VINYL FLOOR TILES
- TEXTURE FINISH



CLIENT:



Hamilton-Wentworth
Catholic District School Board
Believing. Achieving. Serving

LOCATION:

ST. KATERI TEKAKWITHA
22 QUEENSBURY DRIVE
HAMILTON, ONTARIO

TITLE:

ASBESTOS REASSESSMENT
FLOOR LEVEL 1

DATE:

MAY 2023

PROJECT # :

320582.001

DRAWN BY:

EB

DRAWING:

CHECKED BY:

EB

1 OF 1

SCALE:

NTS

APPENDIX VI
Methodology



1.0 GENERAL

Pinchin conducted an inspection of previously identified asbestos-containing materials (ACM) to evaluate the current condition of all accessible ACM identified in the most recent assessment.

The surveyor made reference to any existing assessment or abatement reports (as provided by the Client).

Materials listed as exclusions in the previous reports have remained as exclusions. Sampling, assessment or verification of excluded materials was not conducted.

Existing sampling data, where available, was reviewed and relied upon.

Where sampling was conducted, sample collection was conducted in accordance with our Standard Operating Procedures.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

The following summarizes the criteria of asbestos definitions.



Jurisdiction	Friable	Non-Friable
Ontario	0.5%	0.5%

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

Asbestos materials are evaluated in order to make recommendations regarding remedial work. The priority for remedial action is based on several factors:

- Friability (friable or non-friable).
- Condition (good, fair, poor, debris).
- Accessibility (ranking from accessible to all building users to inaccessible).
- Visibility (whether the material is obscured by other building components).
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

For a complete description of the Evaluation Criteria and Basis of Recommendations, refer to Annex A.

Template: Methodology for Asbestos Reassessment, HAZ, July 27, 2021

METHODOLOGY ANNEX A EVALUATION CRITERIA

1.0 EVALUATION CRITERIA AND BASIS OF RECOMMENDATIONS

The detailed asbestos assessment provides information regarding the location, condition, accessibility and friability of the asbestos-containing materials (ACM). In order to make recommendations for compliance with current regulations, Pinchin developed the following criteria.

2.0 EVALUATION OF CONDITION

2.1 Friable Sprayed or Trowelled Fireproofing, Thermal Insulation and Texture Finishes (Surfacing Materials)

To evaluate the condition of ACM sprayed or trowelled on fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes, the following criteria are applied:

Good	Surface of material shows no significant signs of damage, deterioration or delamination. Good condition includes unencapsulated or unpainted fireproofing or texture finishes, where no or limited delamination or damage is observed, or encapsulated fireproofing or texture finishes where the encapsulant or paint has been applied after the damage or fallout occurred.
Poor	A sprayed material that shows signs of significant damage or is significantly delaminating or deteriorating. This may be limited to surface delamination or some portion of the substrate may be exposed.

In Locations where damage exists in isolated areas, both good and poor condition may be applicable. The extent of each condition will be recorded. Fair condition is not utilized in the evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes.

The evaluation of the above products above ceilings may be limited by the number of observations and by building components such as ducts or full height walls that obstruct the above ceiling observations.

2.2 Friable Mechanical or Thermal System Insulation (TSI)

To evaluate the condition of mechanical insulation on vessels, boilers, breeching, ducts, pipes, fan units, equipment etc. the following criteria are applied:

Good	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor damage (i.e. scuffs or stains), but the jacketing is not penetrated.
Fair	Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that has never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges from minor to none. Damage can be repaired.

Poor	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired. Includes components where insulation may have been removed incompletely.
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The evaluation of mechanical insulation may be limited by the number of observations made and building components such as ducts or full height walls that obstruct observations. It is often not possible to observe each foot of mechanical insulation from all angles.

2.3 Potentially Friable Materials and Miscellaneous Friable Materials

Potentially friable ACM are products that are basically non-friable while in place but have the potential to generate friable dust upon removal or if significantly disturbed without appropriate procedures. These products may become friable if damaged. Potentially friable materials include materials such as acoustic ceiling tiles and plaster. To evaluate the condition of potentially friable materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.
Fair	Showing signs of some cracking or breakage, but is not deteriorating (e.g. cracked plaster, broken but in place ceiling tile, missing tile or section of plaster etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material has deteriorated to a point it has become friable. Normally potentially friable ACM in Poor condition is not repairable and requires at least localized removal and replacement.

2.4 Non-Friable Materials

Non-friable ACM cover a wide range of products with a wide variation in their tendency to release dust or asbestos fibres to the air. Many of these materials, (particularly where the matrix is an unweathered bitumen, asphalt or tar material) do not release fibres except in very unusual circumstances or during significant disturbance (e.g. use of abrasive power tools). Others with a cementitious matrix (asbestos-cement products) can more readily release dust due to abrasion, demolition, weathering, etc. The potential for asbestos release from non-friable ACM is always lower than from friable ACM. To evaluate the condition of non-friable Materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.
-------------	--

Fair	Showing signs of some cracking or breakage but is not deteriorating (e.g. cracked vinyl floor tile, missing piece of tile or transite, etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material to the point at which it cannot be repaired, and it will require at least local removal. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material may have deteriorated to a point where traffic or disturbance may cause it to become friable.

2.5 Evaluation of ACM Debris

The identification of the exact location or presence of debris on the top of ceiling tiles is limited by the number of observations made and the presence of building components such as ducts or full height walls that obstruct observations.

The presence of fallen or dislodged ACM is noted separately from the ACM source and is referred to as Debris. Debris may be friable if from a friable ACM source or a badly deteriorated non-friable ACM source. Debris may also be non-friable (such as fallen pieces of transite sheet or mastic fittings, or broken, dislodged floor tiles).

Debris	Debris may be friable or non-friable but is always identified as debris.
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2.6 Evaluation of Presumed Asbestos-Containing Material (PACM)

Presumed asbestos-containing materials (PACM), are building materials that may contain asbestos but were not sampled or analyzed due to inaccessibility or the need to perform destructive testing to obtain a reasonable sample set. Evaluation of these materials is based on the assumption that these PACM are asbestos-containing.

A list of PACM is provided in the report and they are generally not included in the detailed room by room reports. Typically, they are excluded because they are inaccessible or present in very small quantities. If PACM are evaluated, Pinchin uses the criteria that correspond with the type (and friability) of the material listed above.

3.0 EVALUATION OF ACCESSIBILITY

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

Access (A)	Common areas of the building within reach of all building users (approximately 8' - 9' from floor or standard ceiling height). Includes other areas where occupant activities may result in disturbance of material that is not normally within reach from floor level, but may be disturbed by common activities (e.g. gymnasiums, workshops)
Access (B)	Areas of the building accessed primarily by Maintenance/Caretaking/Janitorial Staff and within reach without use of a ladder. Includes areas within reach in Boiler Rooms, Electrical Rooms, Janitors Closets, Elevator Rooms, Mechanical Rooms, etc. Includes materials within reach from fixed ladders or catwalks, mezzanines, and accessible pipe chases.
Access (C) and Visible	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Only includes ACM that are visible to view without the removal or opening of other building components such as ceiling tiles or service access panels. Visible column on HMIS sheets will say YES.
Access (C) and not Visible	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Includes ACM that are not visible to view and require the removal of a building component to see, such as ceilings tiles or access panels to view and access. Includes rarely entered crawl spaces, attic spaces, etc. Observations will be limited to the extent visible from the access points. Visible column on HMIS sheets will say NO.
Access (D)	Areas of the building behind inaccessible solid ceiling systems, walls or equipment etc. where demolition of the ceiling, wall or equipment etc. is required to reach the ACM. Material inaccessible due to height or location or is only accessed under unusual situations. Evaluation of condition and extent of ACM is limited or impossible, depending on the surveyor's ability to visually examine materials in Access D.

4.0 ACTION MATRIX AND DEFINITIONS

Pinchin's evaluation of the viability of a specific asbestos control option is based on the consideration of the friability, condition, accessibility and visibility of a material. The logic used is that damaged ACM located in an area frequently accessed by all building occupants is of a higher priority than damaged ACM located in an infrequently accessed service area. The action matrix considers the potential for fibre release (primarily from friable ACM) and the possible concerns from regulatory bodies and many building occupants to all damaged ACM (including non-friable).

In any building with asbestos, many current regulations require an Asbestos Management Program be implemented. Depending on the condition and the accessibility, more active measures such as repair or removal may be recommended. The following matrix provides guidance for recommended Actions in the absence of renovation or demolition. In the event of construction or maintenance activity which will disturb ACM more aggressive control or removal will be required.

4.1 Action Matrix

The following tables outline the action decisions based on the relationship of assessed factors. Table I applies to friable ACM. Table II applies to non-friable ACM.

Table I Decision Matrix for Friable ACM

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 5 ¹	Action 5 ²	Action 3	Action 1
(B)	Action 7	Action 6 ³	Action 3	Action 1
(C) Visible	Action 7	Action 6	Action 3	Action 2
(C) Not Visible	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

Table II Decision Matrix for Potentially Friable and Non-Friable ACM

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 7	Action 7 ⁴	Action 3	Action 1
(B)	Action 7	Action 7	Action 3	Action 1
(C) Visible	Action 7	Action 7	Action 4	Action 2
(C) Not Visible	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

4.2 Action Definitions

The following are the definitions in the Action Matrix Table presented above:

Action Definitions	
Action 1	Clean-Up of ACM Debris Restrict access that is likely to cause a disturbance of the ACM Debris and clean up ACM Debris. Utilize appropriate asbestos precautions.

¹ If friable ACM in access (A)/Good condition is not proactively removed Action 7 (Manage) is recommended.

² If friable ACM in access (A)/Fair condition is not proactively removed repair is recommended.

³ If friable ACM in access (B)/Fair condition is likely to be disturbed after repair proactive removal is recommended.

⁴ Action 7 is recommended for all non-friable ACM in Fair condition however some clients may wish to repair or take some action primarily for cosmetic reasons



Action Definitions

Action 2	<p>Precautions for Access Which may Disturb ACM Debris</p> <p>Use appropriate means to isolate the debris or to limit entry to the area which may disturb the material. At locations where ACM Debris can remain in place in lieu of removal or clean-up (e.g. Debris on top of ceiling tiles or behind lockable door), Utilize appropriate asbestos precautions to enter the area if this will disturb debris. The precautions will be required until the ACM Debris has been cleaned up.</p>
Action 3	<p>ACM Removal</p> <p>Remove ACM. Utilize asbestos procedures appropriate to the scope of the removal work. Until it is removed, restrict access to the material so it is not disturbed.</p>
Action 4	<p>Precautions for Work Which may Disturb ACM in Poor Condition. Utilize appropriate asbestos precautions if ACM may be disturbed by work on or near ACM. This does not require restricting access to the area, only control of work which may contact or disturb the ACM. Removal is the only viable option if work will disturb ACM.</p>
Action 5	<p>Proactive ACM Removal</p> <p>Remove friable ACM where the presence of friable asbestos in Good condition is not desirable. If friable ACM in Fair condition is not removed, then Repair friable ACM.</p>
Action 6	<p>ACM Repair</p> <p>Repair friable ACM in Fair condition which is not likely to be damaged again or disturbed by normal use of the area or room. Pinchin recommends proactive removal if friable ACM is likely to be damaged or disturbed during normal use of the area or room</p>
Action 7	<p>Asbestos Management Program with Routine Surveillance Implement an Asbestos Management Program, including routine surveillance of ACM. Reassess materials regularly (typically once per year).</p>

Master Template: Methodology Annex A to Appendix I Evaluation Criteria, HAZ, January 10, 2020