

ASBESTOS-CONTAINING MATERIALS (ACM) ASSESSMENT REPORT

**3030 Birchmount Road
Scarborough, Ontario**

Prepared for:

**Leon Ramkumar
Manager, Plant and Facilities Operations**

**Scarborough Heath Network
2867 Ellesmere Road
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Prepared by:

Safetech Environmental Limited

A handwritten signature in black ink, appearing to read 'A. Fiume'.

**Anthony J. Fiume, BA, CAPM
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Reviewed by:

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**Peter Milosh, BES, AMRT
Project Manager**

Safetech Project No: 1-S1230013

**Date of Site Work: June 8 and 9, 2023
Date of Issue: July 11, 2023**

TABLE OF CONTENTS

EXECUTIVE SUMMARY	2
1.0 INTRODUCTION.....	1
1.1 Background and Objectives	1
1.2 Scope of Work	2
1.3 Description of Area(s) Assessed.....	2
2.0 REGULATIONS FOR ASBESTOS IN BUILDING MATERIALS	2
3.0 METHODOLOGY.....	3
3.1 Bulk Sampling	3
3.2 Accessible Areas	4
4.0 Assessment of Asbestos-Containing Building Materials.....	4
4.1 Accessibility	4
4.2 Condition.....	4
4.3 Action.....	5
4.4 Quantity.....	6
5.0 Results	6
5.1 Laboratory Analytical Results.....	6
5.2 Assessment for Asbestos-Containing Materials.....	7
6.0 CONCLUSIONS AND RECOMMENDATIONS.....	10
6.1 Summary of Laboratory Analytical Results	10
7.0 LIMITATIONS	11

TABLES

Table 1: Minimum Number of Bulk Samples Required Under Ontario Regulation 278/05
Table 2: Condition Assessment Criteria for Asbestos-Containing Materials
Table 3: Bulk Sample Analytical Results for Determination of Asbestos Content
Table 4: Results of Assessment for Asbestos-Containing Materials

APPENDICES

Appendix A: Laboratory Certificate(s) of Analysis

EXECUTIVE SUMMARY

Safetech Environmental Limited (Safetech) conducted an Asbestos-Containing Materials (ACM) Assessment Survey at the 3030 Birchmount Road, Scarborough, Ontario. The site investigation was conducted on June 8 and 9, 2023.

The objective of this study was to conduct an ACM Assessment Survey to determine the presence of asbestos, a designated substance as defined under the Ontario Occupational Health and Safety Act, RSO 1990 c. 0.1, in the facility surveyed.

The survey included a general review and inspection of common areas, mechanical/electrical spaces and select vacant offices and/or patient areas in order to determine the presence and extent of ACMs (if any).

The survey also included an evaluation of the type of ACM and degree of possible exposure, and assessing requirements for any further investigation or remedial action, if necessary. The survey addressed only accessible areas of the facility. No destructive testing was performed.

No asbestos-containing materials were identified in the subject building. Furthermore, due to the age of construction (1985), asbestos-containing materials are not suspected to be present in building materials that were not sampled as part of this investigation.

This survey satisfies requirements of *Ontario Regulation 278/05, Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations* - made under the Occupational Health and Safety Act. This executive summary is to be read in conjunction with the complete survey document.

Should you have any questions or comments regarding this survey, please do not hesitate to contact our office.

Yours truly,

SAFETECH ENVIRONMENTAL LIMITED



Anthony J. Fiume, BA, CAPM
Project Coordinator

July 11, 2023

Scarborough Health Network
2867 Ellesmere Road
Scarborough, Ontario
M1E 4B9

Attention: Leon Ramkumar
Manager, Plant and Facilities Operations

RE: Assessment Survey of Asbestos-Containing Materials (ACM)
3030 Birchmount Road, Scarborough, Ontario

1.0 INTRODUCTION

1.1 Background and Objectives

Safetech Environmental Limited (Safetech) was commissioned by Scarborough Health Network, to conduct an assessment of asbestos-containing materials (ACM) at 3030 Birchmount Road, Scarborough, Ontario.

The objective of this study was to determine whether asbestos, a designated substance as defined under the Ontario Occupational Health and Safety Act, RSO 1990 c. 0.1, is present in the above noted building. The survey included a review of all accessible common areas, mechanical/electrical spaces and select vacant offices and/or patient areas for the presence and extent of ACM, evaluation of the type of ACM and degree of possible exposure, and assessing requirements for any further investigation or remedial action, if necessary. The survey addressed only accessible areas of the building. No destructive testing was performed.

This assessment satisfies the Owner's requirements under subsection 8 (5) of Ontario Regulation 278/05 (O. Reg. 278/05), "Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations," as made under the Occupational Health and Safety Act.

This report documents findings of our assessment that was conducted on June 8 and 9, 2023 and provides conclusions and recommendations based on our findings.

1.2 Scope of Work

In accordance with our fee proposal, our scope of work included the following activities:

- A review of existing documents, including previous reassessment reports, sample results, floor plans and existing environmental assessment reports, etc., where available.
- Collection, analysis and interpretation of representative bulk samples of suspect asbestos-containing building materials for the determination of asbestos content and material classification.
- Preparation of a report to document findings and provide recommendations regarding any ACM that requires remedial action.

Assessing occupant items such as stored products, furnishings, items and materials used or produced as part of a manufacturing process, etc. were beyond the scope of this assessment. In addition, our assessment did not include an investigation for underground materials or equipment (vessels, drums, underground storage tanks, pipes, cables, etc.). Furthermore, this assessment was limited to the areas investigated.

1.3 Description of Area(s) Assessed

The areas investigated included all accessible common areas and mechanical/electrical spaces of 3030 Birchmount Road, Scarborough, Ontario. Please note areas that were not included as part of the assessment included patient rooms, offices and/or other private occupied spaces.

2.0 REGULATIONS FOR ASBESTOS IN BUILDING MATERIALS

Management of asbestos-containing materials in buildings is regulated under Ontario Regulation 278/05, "Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations", made under the Occupational Health and Safety Act (O. Reg. 278/05). Under this regulation, an asbestos-containing material (ACM) is defined as a material that contains 0.5 percent or more asbestos by dry weight.

If materials are determined to be asbestos-containing, O. Reg. 278/05 requires that specific procedures be followed for ongoing management of these materials in buildings. Specific measures and procedures are also required to be followed during renovation or demolition projects that have the potential to disturb ACM. The extent of measures and procedures necessary are defined in O. Reg. 278/05 as Type 1, Type 2 or Type 3 operations. The Type of operation required to be followed is dependent on several factors such as type of asbestos, friability of the material, quantity of material disturbed and type of work being conducted. In general, the Type of operation required increases as the risk of exposure increases.

For determining whether a material is considered asbestos-containing O.Reg. 278/05 outlines specific requirements for the collection of bulk samples of homogenous building materials. This includes the collection of a minimum number of samples for thermal

system insulation, surfacing material and miscellaneous materials. In order for a building material to be deemed asbestos-containing only one of the samples analyzed within the sample set needs to contain 0.5% percent or more asbestos by dry weight. Therefore, if one sample in a sample set comes back positive the entire area of homogeneous material would then be deemed to be asbestos-containing. Table 1 outlines these bulk sample requirements.

Table 1: Minimum Number of Bulk Samples Required Under Ontario Regulation 278/05

Item	Type of Material	Size of Area of Homogenous Material	Minimum Number of Bulk Material Samples to be Collected
1	Surfacing material including without limitation material that is applied to surfaces by spraying, trowelling or otherwise, such as acoustical plaster on ceilings and fireproofing materials on structural members	<90m ²	3
		>90m ² to <450m ²	5
		>450m ²	7
2	Thermal system insulation, except as described in item 3	Any Size	3
3	Thermal Insulation Patch	< 2 linear metres or 0.5m ²	1
4	Other Material	Any Size	3

Management of asbestos waste is governed by R.R.O. 1990, Regulation 347/90 (as amended), “General – Waste Management”, made under the Environmental Protection Act. Section 17 of this regulation sets out requirements for proper handling, transportation and disposal of asbestos waste to protect those handling and disposing of the waste and to prevent it from becoming airborne.

3.0 METHODOLOGY

3.1 Bulk Sampling

Bulk samples of building materials suspected to contain asbestos were retrieved by Safetech in accordance with Section 3 and Table 1 of O. Reg. 278/05. The number of samples collected for each material was based on the type and quantity of the material present within the area(s) investigated. Each individual sample was placed in a labeled zip-lock bag for transportation to an independent laboratory.

Analysis for asbestos content was performed by the independent laboratory in accordance with the U.S. Environmental Protection Agency (EPA) Test Method EPA/600/R-93-116: Method for the Determination of Asbestos in Bulk Building Materials. June 1993. This method identifies the asbestos fibre content of building materials using polarized light microscopy (PLM) analytical techniques, with confirmation of presence and type of asbestos made by dispersion staining optical microscopy. This analytical method meets the requirements set forth in Section 3 of O. Reg. 278/05.

3.2 Accessible Areas

Destructive testing was not conducted as part of this assessment. Concealed locations such as above solid ceilings, within wall cavities, enclosed mechanical/pipe shafts and bulkheads, etc. were not investigated. Similarly, motors, blowers, electrical panels, etc., were not de-energized or disassembled to examine concealed conditions. Building materials that are not detailed within this assessment due to inaccessibility at the time of our site visit and/or uncovered during renovation/demolition activities should be assessed by a qualified person prior to their disturbance.

Boilers, vessels, kilns, sterilizers, chillers, tanks and other mechanical systems were not dissembled or demolished to determine the presence of asbestos within refractory brick, gaskets and other internal liners. Boilers were often constructed with asbestos insulations between the refractory brick and outer steel layer. Any work that will involve the demolition or replacement of these systems should be further investigated using destructive testing techniques prior to the commencement of such projects.

Please be advised that Safetech has made every effort to investigate all areas within the facility. However, in some cases, ACM not previously identified or areas that are not identified on floor plans and/or architectural drawings may not have been included. Safetech should be contacted if this is determined to ensure that the reassessment is complete.

4.0 ASSESSMENT OF ASBESTOS-CONTAINING BUILDING MATERIALS

Accessibility, Condition and Action (Priority) ratings for individual items, or defined areas were developed by Safetech to determine remedial action plans specific to the facility's needs.

4.1 Accessibility

Accessibility has been assessed as: (A) Accessible to all non-maintenance occupants of the building; (B) Accessible to maintenance staff without a ladder; (C) Accessible to maintenance staff with a ladder and exposed to view without moving a building component; (D) Accessible to maintenance staff with a ladder and concealed from view due to a building component; (E) Not accessible without demolition or removal of fixed building components or building systems

4.2 Condition

The condition of asbestos-containing materials identified within the surveyed area(s) was assessed as Good (G), Fair (F) or Poor (P). The assessment criteria used to determine condition is dependent on material characteristics, such as friability. Table 2 summarizes the criteria used by Safetech to evaluate the condition of ACM.

Table 2: Condition Assessment Criteria for Asbestos-Containing Materials

Sprayed Fireproofing, Sprayed Insulation and Sprayed Texture Finishes	
Good	<ul style="list-style-type: none"> ● Surface shows no significant signs of damage, deterioration, or delamination (i.e. <1%). ● Unencapsulated or unpainted fireproofing or texture finishes, where no delamination or damage is observed. ● Encapsulated fireproofing or texture finishes where encapsulation applied after damage or fallout.
Fair	● Not utilized as part of condition assessment for these materials.
Poor	● Greater than 1% damage, delamination, or deterioration to surface.
In areas where damage exists in isolated locations, both Good and Poor may be applicable.	
Mechanical Insulation (boilers, breeching, ductwork, piping, tanks, equipment, etc.)	
Good	<ul style="list-style-type: none"> ● Insulation completely covered in jacketing and exhibits no evidence of damage or deterioration. ● Jacketing may have minor damage (i.e. scuffs or stains), but is not penetrated.
Fair	<ul style="list-style-type: none"> ● Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination). ● Undamaged insulation that had never been jacketed. ● Insulation is exposed but not showing surface disintegration. ● Extent of missing insulation ranges from minor to none. ● Damage that can be repaired.
Poor	<ul style="list-style-type: none"> ● Original insulation jacket is missing, damaged, deteriorated, or delaminated. ● Insulation is exposed and significant areas have been dislodged. ● Damage that cannot be easily repaired.
Non-Friable and Potentially Friable Materials (includes materials such as plaster finishes, drywall compound, ceiling tiles, asbestos cement products, vinyl asbestos tile and asbestos paper backed vinyl sheet flooring, etc., which have the potential to become friable when handled)	
Good	<ul style="list-style-type: none"> ● No significant damage. ● Material may be cracked or broken but is stable and not likely to become friable upon casual contact. ● No friable debris present
Fair	● Not utilized as part of condition assessment for these materials.
Poor	<ul style="list-style-type: none"> ● Material is severely damaged. ● Debris is present or binder has disintegrated to the point where the material has become friable.
Asbestos-Containing Debris (noted separately from the presumed source material)	
Poor	● Debris is always considered to be in Poor condition.

4.3 Action

Recommended ACTION for compliance and for management of identified asbestos-containing materials has been provided for each condition and component outlined in Table 1. Recommendations have been classified under the following 8 ACTIONS:

1. Action dealing with the immediate cleanup of fallen ACM likely to be disturbed.
2. Action dealing with the need to use Type 2 asbestos procedures to enter an area

(other than a ceiling space).

3. Action dealing with performing asbestos removal for compliance with regulations.
4. Action dealing with Type 2 asbestos procedures for ceiling entry where friable ACM debris is present on the top side of a ceiling system.
5. Action dealing with the removal of asbestos that goes beyond compliance requirements but simplifies the asbestos management.
6. Action dealing with the repair of asbestos.
7. Action dealing with ACM surveillance requirements of the regulation.
8. Action for dealing with material that may contain asbestos but was not conclusively identified in the survey.

4.4 Quantity

The approximate quantity and the units of measure related to the quantity (i.e.: linear feet (LF), square feet (SF) or each (EACH) as appropriate to the item) have only been provided for materials requiring remedial or corrective action (i.e. materials in Fair or Poor condition). In such circumstances any quantities provided should be considered rough estimates only and should not be solely relied upon for bidding purposes. It is the responsibility of the selected Contractor to obtain actual quantities.

5.0 RESULTS

5.1 Laboratory Analytical Results

Results of analysis for the determination of asbestos content are summarized in Table 3. Materials have been classified as “ACM”, “Non-ACM”, “Suspected ACM” or “Presumed Non-ACM” based on analytical results. Materials classified as Suspected ACM or Presumed Non-ACM may require further analysis (depending on site-specific conditions) to verify whether the material should be classified as ACM or Non-ACM. Please refer to the Limitations section of this report (Section 7.0) for additional details. The Laboratory Certificate of Analysis is attached in Appendix B.

Table 3: Bulk Sample Analytical Results for Determination of Asbestos Content

Sample No.	Material Description	Sample Location	Asbestos Content	Material Classification
1a	Texture Coat on Concrete	Stair L 5 th Floor	<0.25% Chrysotile	Non-ACM
1b			<0.25% Chrysotile	
1c			<0.25% Chrysotile	
1d		Stair L 4 th Floor	<0.25% Chrysotile	
1e			<0.25% Chrysotile	
1f		Stair L 3 rd Floor	<0.25% Chrysotile	
1g		Stair L 2 nd Floor	<0.25% Chrysotile	
2a	Drywall Joint Compound	2 nd Floor Corridor by Parking Office Partition Wall	None Detected	Non-ACM

2b	Drywall Joint Compound	Corridor 2023 Partition Wall	None Detected	Non-ACM
2c		Boiler Room 5500 Perimeter Wall		
2d		5 th Floor		
2e		Fitness Centre 5502		
2f		Staff Kitchen 4429		
2g		Patient Room 3313		
3a	Texture Coat on Drywall Ceiling	Workshop Centre 2916	None Detected	Non-ACM
3b		Conference Room 1888		
3c				
4a	Small Marble Pattern Vinyl Sheet Flooring	'S' Level Corridor	None Detected	Non-ACM
4b		5 th Floor Corridor		
4c		Stair L 4 th Floor		
	Mastic			
5a	Large Marble Pattern Vinyl Sheet Flooring	5 th Floor Washroom	None Detected	Non-ACM
5b		Stair 8 1 st Floor		
5c		Vestibule by Mechanical Room 5500		
6a	Concrete Block Mortar	Electrical Room 1512	None Detected	Non-ACM
6b		Room 1503A		
6c		Mechanical Room 5500		




As per O.Reg. 278/05, ACM contains $\geq 0.5\%$ asbestos by dry weight.

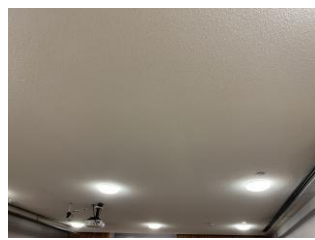



5.2 Assessment for Asbestos-Containing Materials




Materials assessed for asbestos content are summarized in Table 4 based on the type/use of the material. The condition and friability of materials confirmed or suspected to be asbestos-containing (based on our visual assessment or results of bulk sample analysis is provided. Condition (Cond.) ratings are provided as Good (G), Fair (F) or Poor (P) based on our Assessment Criteria provided in Section 4.2. Estimates of quantity have only been provided for confirmed or suspected asbestos-containing materials. Any quantities provided should be considered rough estimates only and should not be relied upon for bidding purposes.

Table 4: Results of Assessment for Asbestos-Containing Materials

Sprayed and Loose Fill Insulating Materials	Location/Description
Sprayed Fireproofing	None identified in subject building.
Sprayed Insulation	None identified in subject building.

Loose Fill / Vermiculite Insulation	None identified in subject building. Interior portions of concrete block walls could not be assessed. However, it is not expected that these walls are insulated with loose fill or vermiculite insulation.	
Thermal System Insulation	Location/Description	
Mechanical Pipe Insulation – Straights & Fittings (elbows, valves, tees, hangars, etc.)	Visible sections of mechanical pipes were observed to be insulated with fibreglass insulation, PVC jacketing with fibreglass, metal jacketing with fibreglass or were not insulated.	
HVAC Duct Insulation	Visible sections of HVAC ducts were observed to be insulated with fibreglass insulation or were not insulated.	
Breeching / Exhaust Insulation	None identified in subject building.	
Tank Insulation	None identified in subject building.	
Boiler Insulation	None identified in subject building.	
Other Mechanical Equipment Insulation	None identified in subject building.	
Architectural Finishes & Finishing Materials	Location/Description	
Texture Coat on Concrete	Texture coat finishes observed on concrete in the subject building were sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing (i.e. less than 0.5% chrysotile asbestos detected). Refer to sample set 1 in Table 3.	

Texture Coat on Drywall	Texture coat finishes observed on drywall in the subject building were sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 3 in Table 3.	
Plaster Finishes	None identified in subject building.	
Drywall Joint Compound	Drywall joint compound associated with drywall finishes observed in the subject building was sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 2 in Table 3.	
Ceiling Tiles	Location/Description	
Lay-in Acoustic Ceiling Tiles	Various lay-in ceiling tiles observed in the subject building had manufacturing date stamps indicating the material was factory-made within the last twenty (20) years and therefore are not asbestos-containing.	
Glued-on Acoustic Ceiling Tiles	None identified in subject building.	
Cement Ceiling Panels	None identified in subject building.	
Flooring	Location/Description	
Vinyl Floor Tiles	Due to the age of construction of the subject building, vinyl floor tiles are not expected to be asbestos-containing as asbestos-containing vinyl floor tiles ceased use in 1980.	
Small Marble Pattern Vinyl Sheet Flooring	<p>Small marble pattern vinyl sheet flooring observed in the subject building was sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 4 in Table 3.</p> <p>Other vinyl sheet flooring observed in the subject building not part of original construction are not expected to be asbestos-containing.</p>	

Large Marble Pattern Vinyl Sheet Flooring	<p>Large marble pattern vinyl sheet flooring observed in the subject building was sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 5 in Table 3.</p> <p>Other vinyl sheet flooring observed in the subject building not part of original construction are not expected to asbestos-containing.</p>	
Mastic	<p>Mastic associated with vinyl sheet flooring observed in the subject building was sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 4 in Table 3.</p>	
Asbestos Cement Products	Location/Description	
Piping	None identified in subject building.	
Roofing, Siding, Wallboard	None identified in subject building.	
Concrete Block Mortar	<p>Mortar associated with concrete block walls observed in the subject building was sampled during the assessment. Results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 6 in Table 3.</p>	

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Summary of Laboratory Analytical Results

As results summarized in Table 3 indicate, bulk samples of texture coat on concrete, drywall joint compound, texture coat on drywall, small marble pattern vinyl sheet flooring, large marble pattern vinyl sheet flooring or concrete block mortar retrieved for analysis. Therefore, these building materials are considered to be Non-ACM and there are no requirements for management, disturbance or removal of these materials under O. Reg. 278/05. Based on the age of the building, no other suspect asbestos-containing materials were observed in the subject building.

7.0 LIMITATIONS

The information and recommendations detailed in this report were carried out by trained professional and technical staff in accordance with generally accepted environmental and industrial hygiene work practices and procedures. Recommendations provided in this report have been generated in accordance with accepted industry guidelines and practices. These guidelines and practices are considered acceptable as of the date of this report.

In preparation of this report, Safetech relied on information supplied by others, including without limitation, information pertaining to the history and operation of the site, test results and reports of other consultants and testing services provided by independent laboratories. Except as expressly set out in this report, Safetech has not made any independent verification of information provided by independent entities.

The collection of samples at the location noted was consistent with the scope of work agreed-upon with the person or entity to whom this report is addressed and the information obtained concerning prior site investigations. As conditions between samples may vary, the potential remains for the presence of unknown additional contaminants for which there were no known indicators.

The analytical method used meets the requirements of O. Reg. 278/05. However, small asbestos fibres may be missed by PLM due to resolution limitations of the optical microscope. Interfering binder/matrix and/or low asbestos content may also hinder positive identification by PLM. These conditions are common for vermiculite attic insulation (VAI) and non-friable organically bound (NOB) materials such as vinyl floor tiles, roofing materials, mastics and caulking and can lead to “false negative” results. If PLM analytical results for these types of materials indicate no asbestos detected they have been reported as “Presumed Non-ACM”. Due to limitations of the analytical method we cannot confirm that low quantities of asbestos are not present in these samples using solely PLM analysis. Additional analytical procedures should be considered for such materials to rule out false negative results.

Table 1 of Ontario Regulation 278/05 indicates the required minimum number of bulk material samples to be collected from a homogeneous material. Depending on the type of material and size of area, typically 3, 5 or 7 samples should be analyzed and all deemed as negative (i.e. less than 0.5% asbestos) prior to confirming that the material sampled is non-asbestos. A single negative sample result is not considered to be sufficient evidence to confirm a material to be non-asbestos-containing.

Conclusions are based on site conditions at the time of inspection and can only be extrapolated to an undefined limited area around inspected locations. The extent of the limited area depends on building construction and conditions. Building materials that are not detailed within this survey due to inaccessibility during the time of survey and/or are uncovered during renovation/demolition activities should be properly assessed by a qualified person prior to their disturbance. Safetech cannot warrant against undiscovered

environmental liabilities. If any information becomes available that differs from the findings in this report, we request that we be notified immediately to reassess the conclusions provided herein.

This report has been prepared for the sole use of the person or entity to who it is addressed. No other person or entity is entitled to use or rely upon this report without the express written consent of Safetech and the person or entity to who it is addressed. Any use that a third party makes of this report, or any reliance based on conclusions and recommendations made, are the responsibility of such third parties. Safetech accepts no responsibility for damages suffered by third parties as a result of actions based on this report.

Appendix A: Laboratory Certificate(s) of Analysis



EMSL Canada Inc.

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Collected: 6/ 9/2023
Received: 6/09/2023
Analyzed: 6/16/2023
Proj: 1-S1230013 - 3030 Birchmount Rd, Scarborough, ON Asbestos Survey

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 1a **Lab Sample ID:** 552308843-0001

Sample Description: Texture Coat on Concrete - Stair L 5th Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.0%	100.0%	<0.25% Chrysotile	

Client Sample ID: 1b **Lab Sample ID:** 552308843-0002

Sample Description: Texture Coat on Concrete - Stair L 5th Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.00%	99.75%	0.25% Chrysotile	

Client Sample ID: 1c **Lab Sample ID:** 552308843-0003

Sample Description: Texture Coat on Concrete - Stair L 5th Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.0%	100.0%	<0.25% Chrysotile	

Client Sample ID: 1d **Lab Sample ID:** 552308843-0004

Sample Description: Texture Coat on Concrete - Stair L 4th Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.0%	100.0%	<0.25% Chrysotile	

Client Sample ID: 1e **Lab Sample ID:** 552308843-0005

Sample Description: Texture Coat on Concrete - Stair L 4th Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.00%	99.75%	0.25% Chrysotile	

Client Sample ID: 1f **Lab Sample ID:** 552308843-0006

Sample Description: Texture Coat on Concrete - Stair L 3rd Floor

TEST	Analyzed	Color	Non-Asbestos		Asbestos	Comment
	Date		Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/15/2023	White	0.0%	100.0%	<0.25% Chrysotile	



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EMSL Canada Order 552308843
Customer ID: 55SELI62
Customer PO: 1-S1230013
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 1g **Lab Sample ID:** 552308843-0007

Sample Description: Texture Coat on Concrete - Stair L 2nd Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	White	0.0%	100.0%	<1% Chrysotile	
400 PLM Pt Ct	6/16/2023	White	0.0%	100.0%	<0.25% Chrysotile	

Client Sample ID: 2a **Lab Sample ID:** 552308843-0008

Sample Description: Drywall Joint Compound - 2nd Floor Corridor by Parking Office Partition Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2b **Lab Sample ID:** 552308843-0009

Sample Description: Drywall Joint Compound - Corridor 2023 Partition Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2c **Lab Sample ID:** 552308843-0010

Sample Description: Drywall Joint Compound - Boiler Room 5500 Perimeter Wall

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2d **Lab Sample ID:** 552308843-0011

Sample Description: Drywall Joint Compound - 5th Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2e **Lab Sample ID:** 552308843-0012

Sample Description: Drywall Joint Compound - Fitness Centre 5502

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2f **Lab Sample ID:** 552308843-0013

Sample Description: Drywall Joint Compound - Staff Kitchen 4429

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 2g **Lab Sample ID:** 552308843-0014

Sample Description: Drywall Joint Compound - Patient Room 3313

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	White	0.0%	100.0%	None Detected	



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Customer PO: 1-S1230013
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 3a **Lab Sample ID:** 552308843-0015

Sample Description: Texture Coat on Drywall Ceiling - Workshop Centre 2916

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 3b **Lab Sample ID:** 552308843-0016

Sample Description: Texture Coat on Drywall Ceiling - Workshop Centre 2916

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 3c **Lab Sample ID:** 552308843-0017

Sample Description: Texture Coat on Drywall Ceiling - Conference Room 1888

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	White	0.0%	100.0%	None Detected	

Client Sample ID: 4a **Lab Sample ID:** 552308843-0018

Sample Description: Small Marble Pattern VSF - 'S' Level Corridor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Tan	14.0%	86.0%	None Detected	

Client Sample ID: 4b **Lab Sample ID:** 552308843-0019

Sample Description: Small Marble Pattern VSF - 5th Floor Corridor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Brown/Tan	14.0%	86.0%	None Detected	

Client Sample ID: 4c-Vinyl Sheet Flooring **Lab Sample ID:** 552308843-0020

Sample Description: Small Marble Pattern VSF - Stair L 4th Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	Tan	12.0%	88.0%	None Detected	

Client Sample ID: 4c-Mastic **Lab Sample ID:** 552308843-0020A

Sample Description: Small Marble Pattern VSF - Stair L 4th Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 5a-VSF **Lab Sample ID:** 552308843-0021

Sample Description: Large Marble Pattern VSF - 5th Floor Washroom

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Brown/Tan	18.0%	82.0%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 5b

Lab Sample ID: 552308843-0022

Sample Description: Large Marble Pattern VSF - Stair 8 1st Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Brown/Tan	20.0%	80.0%	None Detected	

Client Sample ID: 5c

Lab Sample ID: 552308843-0023

Sample Description: Large Marble Pattern VSF - Vestibule by Mechanical Room 5500

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	Brown/Tan	20.0%	80.0%	None Detected	

Client Sample ID: 6a

Lab Sample ID: 552308843-0024

Sample Description: Concrete Block Mortar - Electrical Room 1512

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 6b

Lab Sample ID: 552308843-0025

Sample Description: Concrete Block Mortar - Room 1503A

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/15/2023	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 6c

Lab Sample ID: 552308843-0026

Sample Description: Concrete Block Mortar - Mechanical Room 5500

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/16/2023	Gray	0.0%	100.0%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Analyst(s):

Derick Jiron PLM (7)
Mary Hamel PLM (20)
400 PLM Pt Ct (7)

Reviewed and approved by:

Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 06/16/2023 12:16:14