



Halifax
Regional Centre for Education

**RFP# 4258 - Addendum #1
Roof Replacement
Ross Road School**

To: All Bidders
Date: October 3, 2024
From: Nancy Rideout, Purchasing Manager
Office: (902) 464-2000 ext. 2222
Email: nrideout@hrce.ca

The bid documents shall be amended, and new drawings and clauses added, and shall become part of the contract documents as follows:

SPECIFICATIONS

.1 Asbestos and PCB Test Results:

- .1 See attached hazardous materials test report from Pinchin, file #3482523, dated October 1, 2024. Work of abatement is to be completed in accordance with HRCE's management policies as outlined in the front-end specifications.

.2 Reference Section 01 52 00 Construction and Temporary Facilities:

- .1 Provide 5'-0" high temporary fencing, installed 10' away from building in the area of work.
- .2 Provide overhead protection at exterior doors, constructed of scaffold with closed sides.
- .3 Provide stair tower and scaffolding as required for roof access, to meet CAN/CSA-S269.2. Provide plywood on stair tower to 16' above grade. Coordinate location of stair tower with HRCE.

DRAWINGS

.3 Reference Detail 4/A-102 and Drawing A-101 Partial Roof Plan:

- .1 Roof drain and downspout piping is to be revised to 4"

WORK HOURS CLARIFICATION

Working hours are after-hours, weekends and holidays.

After-hours begins at 2:30 pm.

In the event of Excel or other after-hours bookings, hot work will require in internal fire watch until the building has been vacated by staff and students.

EXTENDED CLOSING DATE

The closing date for this RFP has been extended.

New closing date is Wednesday, October 9, 2024 at 2pm ATL.

End of Addendum #1 – RFP# 4258

PLEASE SIGN BELOW AND RETURN WITH BID DOCUMENTS:

Signature

Company Name



October 1, 2024

Halifax Regional Centre for Education
35B Major Street
Dartmouth, Nova Scotia B2X 1A7

Re: Asbestos and PCB Test Results – Ross Road School
336 Ross Road, Westphal, Nova Scotia
Pinchin File: 348252

Asbestos Detected

Pinchin Ltd. (Pinchin) was retained by Halifax Regional Centre for Education to collect bulk samples of building materials for asbestos analysis within the building located at 336 Ross Road, Westphal, Nova Scotia. Sample collection was performed by Pinchin on September 26, 2024.

The purpose of this sample collection was to facilitate renovations to the building. Sample collection included roof cores and mastic present on ventilation ducts. The extent of the assessed area is limited to the roof of the gymnasium.

1.0 METHODOLOGY

1.1 Asbestos

For each homogenous sampling area, a separate set of samples was collected. A homogeneous sampling area is defined by the U.S. Environmental Protection Agency (EPA) as a 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 asbestos analysis for select materials was completed using a stop-positive approach. Stop positive means samples in a homogenous material sample set were analyzed consecutively and when a sample was identified as an ACM, further sample analysis within that sample set was not completed. In some cases, all samples were analyzed in the sample set regardless of result.

Samples of materials were analyzed using polarised light microscopy (PLM) methods in accordance with EPA Test Method 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

1.2 Polychlorinated Biphenyls

Caulking, sealants, or paints were sampled and submitted for PCB analysis following EPA 3550C/8082A.



Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

2.0 RESULTS AND FINDINGS

2.1 Asbestos

Sample No.	Location	Description	Result (Type and %)
S0001A-C	Gym Roof (Location 1)	Roofing Material (Cores)	None Detected
S0002A-C	Gym Roof (Location 1)	Black Mastic, present on exhaust ducts	Asbestos Detected (Chrysotile, 5-10%)

2.2 Polychlorinated Biphenyls

Sample No.	Location	Description	Result (mg/kg)
P0001	Gym Roof (Location 1)	Black Mastic	<0.5

3.0 RECOMMENDATIONS

3.1 General

Provide this report to the contractor prior to bidding or commencing work.

If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.

3.2 Asbestos

Remove and properly dispose of asbestos-containing materials prior to disturbance. Follow appropriate safe work procedures when handling or disturbing asbestos. The specific work procedures, engineering controls and personal protective equipment (risk level) will need to be assessed on a project-by-project basis.

4.0 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.

5.0 CLOSURE

Should you have any questions or concerns regarding the contents of this letter, please contact Shawna McIntyre at 902.222.2650 or slmcintyre@pinchin.com.

Yours truly,

Pinchin Ltd.

Prepared by:

Reviewed by:

Ashley Penney
Project Coordinator, Hazardous Materials

Michael Harrett, C.E.T.
Practice Leader, Hazardous Materials
Ontario and Atlantic

Encl.: Laboratory Report
Photographs

\\pifs01\jobs\348000s\0348252.000 HRCE336RossRd,Westphal,NS,HAZ,ASB\Deliverables\348252 Asb & PCB Bulk Sample Results 336 Ross Rd Westphal NS HRCE Oct 1 2024.docx
Template: Master Asbestos Bulk Sample Results Letter, HAZ, July 2, 2024

APPENDIX I
Laboratory Report



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name: HRCE, Ross Road, NS
Project No.: 0348252.000
Prepared For: A. Penney / S. McIntyre

Lab Reference No.: b324136
Analyst(s): N. Gerrow

Date Received: September 26, 2024 **Samples Submitted:** 3
Date Analyzed: September 27, 2024 **Phases Analyzed:** 9

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of 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 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

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 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.

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.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: HRCE, Ross Road, NS
Project No.: 0348252.000
Prepared For: A. Penney / S. McIntyre

Lab Reference No.: b324136
Date Analyzed: September 27, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001A Roof, Roofing Material, Roof Core, Loc:1, Gym Roof	3 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non- Fibrous Material 50-75%
	c) Homogeneous, black, thick, tar material.	None Detected	Tar Material > 75%
Comments:	Drywall is present on the surface of this sample.		
S0001B Roof, Roofing Material, Roof Core, Loc:1, Gym Roof	3 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non- Fibrous Material 50-75%
	c) Homogeneous, black, thick, tar material.	None Detected	Tar Material > 75%
Comments:	Drywall is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Ross Road, NS
Project No.: 0348252.000
Prepared For: A. Penney / S. McIntyre

Lab Reference No.: b324136
Date Analyzed: September 27, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001C Roof, Roofing Material, Roof Core, Loc:1, Gym Roof	3 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non- Fibrous Material 50-75%
	c) Homogeneous, black, thick, tar material.	None Detected	Tar Material > 75%
Comments:	Drywall is present on the surface of this sample.		

Reviewed by:

Pinchin Ltd.
2024.09.27 11:06:39-03'00'

Reporting Analyst:

Pinchin Ltd.
2024.09.27 10:51:44-03'00'



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name: HRCE, Ross Road, NS
Project No.: 0348252.000
Prepared For: A. Penney / S. McIntyre

Lab Reference No.: b324138
Analyst(s): R. Janssen

Date Received: September 26, 2024 **Samples Submitted:** 3
Date Analyzed: September 27, 2024 **Phases Analyzed:** 1

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of 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 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

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 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.

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.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.



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

Project Name: HRCE, Ross Road, NS
Project No.: 0348252.000
Prepared For: A. Penney / S. McIntyre

Lab Reference No.: b324138
Date Analyzed: September 27, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0002A Duct, Exhaust, Mastic, Black, Loc:1, Gym Roof	Homogeneous, black, tar material.	Chrysotile 5-10%	Mica 0.5-5% Tar and other Non-Fibrous Material > 75%
S0002B Duct, Exhaust, Mastic, Black, Loc:1, Gym Roof			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0002C Duct, Exhaust, Mastic, Black, Loc:1, Gym Roof			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Reviewed by:

Pinchin Ltd.
2024.09.27 10:30:54-03'00'

Reporting Analyst:

Pinchin Ltd.
2024.09.27 09:55:42-03'00'

CLIENT NAME: PINCHIN LTD.
42 Dorey Avenue
Dartmouth, NS B3B0B1
(902) 461-9999

ATTENTION TO: Ashley Penney

PROJECT: 348252

AGAT WORK ORDER: 24X201694

TRACE ORGANICS REVIEWED BY: Ashleigh Dussault, Inorganics Laboratory Supervisor

DATE REPORTED: Sep 30, 2024

PAGES (INCLUDING COVER): 5

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.



Certificate of Analysis

AGAT WORK ORDER: 24X201694

PROJECT: 348252

11 Morris Drive, Unit 122
 Dartmouth, Nova Scotia
 CANADA B3B 1M2
 TEL (902)468-8718
 FAX (902)468-8924
<http://www.agatlabs.com>

CLIENT NAME: PINCHIN LTD.

ATTENTION TO: Ashley Penney

SAMPLING SITE:

SAMPLED BY:

Total Polychlorinated Biphenyls in Paint

DATE RECEIVED: 2024-09-26

DATE REPORTED: 2024-09-30

P0001, BLACK

SAMPLE DESCRIPTION: MASTIC, LOC.1

SAMPLE TYPE: Solid

DATE SAMPLED: 2024-09-26

6175297

Parameter	Unit	G / S	RDL	6175297
Total PCBs	mg/kg		0.5	<0.5

Surrogate	Unit	Acceptable Limits
Decachlorobiphenyl	%	60-140 72

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard
 Analysis performed at AGAT Halifax (unless marked by *)

Certified By:

*Ashleigh
Dussalt*

Quality Assurance

CLIENT NAME: PINCHIN LTD.
PROJECT: 348252
SAMPLING SITE:

AGAT WORK ORDER: 24X201694
ATTENTION TO: Ashley Penney
SAMPLED BY:

Trace Organics Analysis

RPT Date: Sep 30, 2024			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	

Total Polychlorinated Biphenyls in Paint

Total PCBs	1	999	<0.5	0.6	NA	< 0.5	104%	60%	140%	97%	60%	140%	123%	60%	140%
------------	---	-----	------	-----	----	-------	------	-----	------	-----	-----	------	------	-----	------

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.
 If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: _____

*Ashleigh
Dussalt*



Method Summary

CLIENT NAME: PINCHIN LTD.

PROJECT: 348252

SAMPLING SITE:

AGAT WORK ORDER: 24X201694

ATTENTION TO: Ashley Penney

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Total PCBs	ORG-120-5107	EPA SW-846 8082	GC/ECD
Decachlorobiphenyl	ORG-120-5106	EAP SW846 3510C/8080/8010	GC/ECD

APPENDIX II
Photographs



Photo 1 - General view of gymnasium roof



Photo 2 - S0001A-C (None detected) Roof core



Photo 3 - S0002A-C, Confirmed Asbestos, Black duct mastic



Photo 4 - Two exhaust ducts with asbestos-containing black mastic



Photo 5 - S0002A-C, Confirmed asbestos, Black mastic