

Blake

Corcan Repointing Project

Schedule A



WHS

Western Health & Safety

1636 12 Avenue SW
Calgary, Alberta
Canada T3C 0R2
Tel. 403.241.6889
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September 8, 2015

SENT VIA E-MAIL

Harry.ruzycski@csc-scc.gc.ca

Public Service of Canada
Bowden Institution
Highway #2
Innisfail, Alberta
T4G 1V1

Attention: Mr. Jim Ruzycski

Re: Asbestos Testing Summary Letter
Bowden Institution
WHS Project #: W6184

Dear Mr. Ruzycski,

On August 27, 2015, Mr. Scott Blake, B.Sc., Health & Safety Specialist, of Western Health & Safety (WHS) conducted an assessment of the exterior of three buildings for asbestos-containing materials (ACM) at the Bowden Institute located at 35022 Range Road 10, Innisfail, Alberta.

WHS understands that the purpose of the sampling was to identify suspected asbestos-containing materials (ACM) that may be present on the exterior of the Multicultural Center, Chapel and the Administration Building so that they can be effectively managed during renovation/demolition activities.

A total of twenty two bulk samples of suspected ACM was collected and forwarded to IATL, located in Mt. Laurel, NJ – for analysis. The samples were analyzed by IATL in accordance with the EPA 600/R93-116 Analysis Method. Results indicate that asbestos was found in five of the twenty two samples.

ACM was identified in the caulking materials around the windows of all three of the buildings sampled. The caulking which tested positive for asbestos was described as grey and/or white at the time of the assessment. All the caulking matching this description should be treated as asbestos-containing. Any disturbance of the material must be done by a qualified abatement contractor using procedures for low-risk asbestos abatement outlined in the Alberta Asbestos Abatement Manual (2012).

Please refer to the attached Laboratory Report, dated September 1, 2015. Table I below summarizes the asbestos bulk sampling results.

Table I: Summary of Bulk Asbestos Sample Results

Sample #	Location	Material	Type of Asbestos	Percent Asbestos (%)
1	Cultural Center – North Face	Mortar	ND	ND
2	Cultural Center – East Face	Mortar	ND	ND
3	Cultural Center – South Face	Mortar	ND	ND
4	Cultural Center – West Face	Mortar	ND	ND
5	Cultural Center – East Face	Grey Caulking	Chrysotile	PC 1.8
6	Cultural Center – East Face	Grey Caulking	Chrysotile	PC 2.0
7	Cultural Center – West Face	Grey Caulking	Chrysotile	PC 1.9
8	Cultural Center – West Face	Black Tar/Mastic	ND	ND
9	Chapel – South Face	Light Grey Mortar	ND	ND
10	Chapel – South Face	Dark Grey Mortar	ND	ND
11	Chapel – South Face	Beige Stucco	ND	ND
12	Chapel – South Face	Peach Stucco	ND	ND
13	Chapel – South Face Lattice	Mortar	ND	ND
14	Chapel – Northeast corner	Mortar	ND	ND
15	Chapel – North Face	Grey Caulking	Chrysotile	PC 1.5
16	Chapel – North Face Door	Brown Caulking	ND	ND
17	Admin – East Face	Light Grey Mortar	ND	ND
18	Admin – East Face	Dark Grey Mortar	ND	ND
19	Admin – North Face	Lower Grey Mortar	ND	ND
20	Admin – North Face	Brown Caulking	ND	ND
21	Admin – North Face	Grey Mortar	ND	ND
22	Admin – North Face	White Caulking	Chrysotile	PC 0.75

Notes:

- DWJC = Drywall Joint Compound
- ND = None detected.
- PC = Stratified Point Count Method used.
- All samples were sent to, and analyzed by, IATL Analytical, in Calgary, Alberta.

Please note that prior to any disturbance of this material, WHS recommends that controls be put in place to minimize the potential release of, and possible exposure to, asbestos fibres. The extent of the controls required will depend upon the type of disturbance. Procedures to control potential exposures are outlined in the Alberta Asbestos Abatement Manual (2012) published by Alberta Human Resources and Employment – Workplace Health and Safety. For a copy of this document, please refer to the following link:

<http://www.humanservices.alberta.ca/documents/Asbestos-Abatement-Manual.pdf>

If you have any questions or require any additional information please feel free to contact the undersigned at (403) 241-6889.

Sincerely,



Scott Blake, B.Sc.
Health and Safety Specialist
Western Health & Safety

Attachments:

Laboratory Reports – IATL – Dated September 1, 2015

CERTIFICATE OF ANALYSIS

Client: Western Health & Safety Spec.
 1636 12 Avenue SW
 Calgary AB T3C 0R2

Report Date: 9/1/2015
Report No.: 372590
Project: Bouden Institute
Project No.: W6184

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726302	Description / Location: Grey Mortar		
Client No.: 1	Multi C North Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726303	Description / Location: Grey Mortar		
Client No.: 2	Multi C East Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726304	Description / Location: Grey Mortar		
Client No.: 3	Multi C South Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726305	Description / Location: Grey Mortar		
Client No.: 4	Multi C West Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Accreditations: NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
 This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.I where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Approved By: 

Date: 9/1/2015

Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Western Health & Safety Spec.
 1636 12 Avenue SW
 Calgary AB T3C 0R2

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726306	Description / Location: Grey Glazing			
Client No.: 5	Window, Multi C East Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

Lab No.: 5726307	Description / Location: Grey Glazing			
Client No.: 6	Window, Multi C East Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.0	Chrysotile	None Detected	None Detected	98

Lab No.: 5726308	Description / Location: Grey Glazing			
Client No.: 7	Multi C West Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.9	Chrysotile	None Detected	None Detected	PC 98.1

Lab No.: 5726309	Description / Location: Black Tar			
Client No.: 8	Multi C West Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations: NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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Date: 9/1/2015

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726310	Description / Location: Grey Mortar		
Client No.: 9	Chapel, South Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726311	Description / Location: Grey Mortar		
Client No.: 10	Chapel, South Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726312	Description / Location: Tan/White Stucco		
Client No.: 11	Chapel, South Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726313	Description / Location: Tan Stucco		
Client No.: 12	Chapel, South Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Accreditations: NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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1636 12 Avenue SW
Calgary AB T3C 0R2

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Project: Bouden Institute
Project No.: W6184

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726314		Description / Location: Grey Mortar	
Client No.: 13		Chapel, South Face	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726315		Description / Location: Grey Mortar	
Client No.: 14		Chapel, NE Corner	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726316		Description / Location: Off-White Glazing	
Client No.: 15		Chapel, North Face	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.5	Chrysotile	None Detected	None Detected
			PC 98.5

Lab No.: 5726317		Description / Location: Brown Caulk	
Client No.: 16		Chapel, Door 1115	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726318	Description / Location: Grey Mortar		
Client No.: 17	Admin, East Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726319	Description / Location: Grey Mortar		
Client No.: 18	Admin, East Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726320	Description / Location: Grey Mortar		
Client No.: 19	Admin, North Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5726321	Description / Location: Brown Caulk		
Client No.: 20	Window, Admin, North Face		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5726322	Description / Location: Grey Mortar			
Client No.: 21	Admin, North Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5726323	Description / Location: Grey Caulk			
Client No.: 22	Admin, North Face			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.75	Chrysotile	None Detected	None Detected	PC 99.25

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Date: 9/1/2015