



EMAIL TRANSMISSION

May 11, 2018

Mr. Boyce Parrill

Department of National Defense, Real Properties Operations Detachment
Canadian Forces Base Borden
P.O. Box 1000 Station Main
16 Ramillies Road
Borden, ON
L0M 1C0

RE: Bulk Asbestos Sampling
Building A-243, Paint Booth
Canadian Forces Base Borden
Borden, ON
Our Ref.: 128-P-0015403-0-10-GA-L-0001-00

Further to your request and in accordance with our Public Works and Government Services Canada (PWGSC) Standing Offer/Contract E6TOR-16RM04/001/KIN, Englobe Corp. (Englobe) has prepared this report to document the work which it has completed with respect to the above noted project.

Englobe Corp. ("Englobe") was retained by PWGSC to collect concrete samples from two trenches within the Paint Booth of Building A-243, 17 Hangar Road. The samples were collected on April 23, 2018 at the direction of Mr. Boyce Parrill, on behalf of Real Properties Operations Detachment, Canadian Forces Base Borden (the "Client").

As requested by the Client, Englobe submitted the samples to EMSL Canada Inc. (EMSL) being a NVLAP accredited laboratory located in Mississauga, Ontario. The bulk samples were submitted for determination of asbestos content by Polarized Light Microscopy (PLM) analysis, in accordance with Ontario Regulation 278/05 (Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations). The results of the analysis are presented below in Table 1, and copies of the Certificate of Analysis are attached in Appendix 1.

Table 1: Bulk Sampling Results

Sample ID	Sample Description	Sample Location	Ontario Regulation 278/05 Criteria (% by dry weight)	Result
1A	Trench 1 (Left side Trench)	Base of stairway	0.5%	None Detected
1B		Stairway		None Detected
1C		Top of Wall near Stairway entrance		None Detected

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Sample ID	Sample Description	Sample Location	Ontario Regulation 278/05 Criteria (% by dry weight)	Result
2A	Trench 2 (Right side Trench)	Stairway		None Detected
2B		Stairway		None Detected
2C		Wall of Stairway		None Detected

CONCLUSIONS

Based on the above-noted findings, Englobe concludes the following:

- ▶ As documented in Table 1 above and in the EMSL Certificate of Analysis in Appendix 1, the concrete materials collected by Englobe from the trenches in the Paint Booths of Building A-243 and submitted for analysis were reported to not contain asbestos, as defined in Regulation 278/05 of the Ontario Occupational Health and Safety Act (i.e. asbestos was not detected at concentrations equal to or greater than 0.5% by dry weight).

This letter should be read in conjunction with the statement of limitations provided in Appendix 3.

We trust that this summary letter meets with your approval. If you should require any additional information, please do not hesitate to contact us.



Carla Noseworthy, CET
Project Manager



Mahmood Ghinani, P. Eng
Director, Environmental Services, Ontario

Encl.
Appendix 1 – Laboratory Certificate of Analysis – Bulk Asbestos Sampling
Appendix 2 – Photographs
Appendix 3 – Statement of Limitations

**Appendix 1 Laboratory
Certificate
of Analysis**



EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
<http://www.EMSL.com> / torontolab@emsl.com

EMSL Canada Order 551804693
Customer ID: 55LVMT42
Customer PO: A19949
Project ID:

Attn: CARLA NOSEWORTHY, CET
EnGlobe Corp.
1821 Albion Road, Unit 7
Toronto, ON M9W 5W8

Phone: (416) .21-1060
Fax:
Collected: 4/23/2018
Received: 4/23/2018
Analyzed: 4/30/2018

Proj: P-0015403-0-10-200 (A243) / P.O. # A19949 / Quote 552018329984

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Client Sample ID: 15403-10-1A **Lab Sample ID:** 551804693-0001

Sample Description: Concrete, Trench, LHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	

Client Sample ID: 15403-10-1B

Lab Sample ID: 551804693-0002

Sample Description: Concrete, Trench, LHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	

Client Sample ID: 15403-10-1C

Lab Sample ID: 551804693-0003

Sample Description: Concrete, Trench, LHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	

Client Sample ID: 15403-10-2A

Lab Sample ID: 551804693-0004

Sample Description: Concrete, Trench, RHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	

Client Sample ID: 15403-10-2B

Lab Sample ID: 551804693-0005

Sample Description: Concrete, Trench, RHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	

Client Sample ID: 15403-10-2C

Lab Sample ID: 551804693-0006

Sample Description: Concrete, Trench, RHS

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/30/2018	Gray	0%	100%	None Detected	



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EMSL Canada Order 551804693
Customer ID: 55LVMT42
Customer PO: A19949
Project ID:

Test Report: Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05 via EPA600/R-93/116 Method

Analyst(s):

Michelle Lung PLM (4)
Natalie D'Amico PLM (2)

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. This report 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP of any agency of the U.S. Government.

Samples analyzed by EMSL Canada Inc. Mississauga, ON NVLAP Lab Code 200877-0

Initial report from: 04/30/2018 14:42:30

Appendix 2 Photographs



Photograph 01: Trench 1, left sided trench (from overhead doors)



Photograph 02: Trench 2, right side trench (from overhead doors)

Appendix 3

Statement of
Limitations

STATEMENT OF LIMITATIONS

This report was prepared for the exclusive use of Public Works and Government Services Canada and is based on data and information obtained during a site visit by Englobe on the subject property; and is based solely upon the condition of the property on the date of such inspection, supplemented by information obtained and described herein.

No section of this report can be used as a whole entity. The report must be considered in its entirety. Englobe will not accept any responsibility resulting directly or indirectly from the use of this report by any person or entity other than that to which it is subjected.

The present report represents Englobe's assessment of the conditions prevailing on the Site during the period of time covered by the mandate, or the points in time indicated in this report. The assessment of conditions also depended on the information made available in this period of time. The information presented in our report only applies to the subject site described in this report. All information contained in this report is based essentially on visual observations of the subject site, as well as analytical results for selected parameters and materials, and this within a specific period of time, all of which have been defined in the present report. Unless otherwise specified, the conclusions of this report are not valid for prior or future conditions of the subject site, or for portions of the subject site not made available for direct investigations. If a substance has not been analyzed, this does not exclude the possibility of its presence on the site in concentrations exceeding the background value, the analytical detection limit or the threshold dictated by a by law, policy or ruling.

In the case where changes occur to the conditions prevailing on the Site, or to the set of applicable policies, regulation or criteria, or in the case where additional information was made available following the submittal of this report, the content of the latter may be revised, in the scope of an additional mandate.

When no policy, regulation or criteria was available for the interpretation of data, the comments, recommendations and conclusions expressed in this report were based on the generally recognized rules and practices. The use of this report, as well as of its content by a third party is strictly prohibited without having obtained Englobe's and its client's prior written authorization to do so. Third parties using this report or its content take full responsibility of doing so. Englobe provides no guarantee and disclaims any obligation towards third parties and disclaims any liability whatever it may consist of towards all losses, expenses, damages, fines, penalties and other harm that any other person may suffer by the use of this report and of its content. It is important to note that the opinions expressed in our report are solely technical. These opinions cannot and should not be considered as a legal advice.