VIA RAIL CANADA

Asbestos Management Program

Niagara Falls Train Station

Re-Inspection Report (2008)

December 7, 2008

O/Ref.: 038-P020503-0100-SG-0007-0A

CANADA'S 50 BEST MANAGED COMPANIES

DESSAU

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Via Rail Canada

Asbestos Management Program

Re-Inspection Report (2008)

Prepared by:

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Appendices

Test results mentioned herein are only valid for the sample(s) stated in this report.

Dessau's subcontractors who may have accomplished work either on site or in laboratory are duly qualified as stated in our Quality Manual's procurement procedure. Should you require any further information, please contact your Project Manager.

REVISION AND PUBLICATION REGISTER		
REVISION NO.	DATE	MODIFICATION AND/OR PUBLICATION DETAILS
0A	2008-12-07	Issued for comments

INTRODUCTION

In 2005, Via Rail mandated Dessau-Soprin (now Dessau) to carry out a Designated Substances Survey in 51 train stations, mainly located in Ontario, Quebec and New Brunswick. Some stations were also located in Manitoba, Saskatchewan and British-Colombia. As asbestos is a designated substance under the Ontario Health and Safety Act and as it is regulated by the Ontario Regulation 278/05 (O.Reg. 278/05), Via Rail mandated Dessau to implement an Asbestos Management Program (AMP) for its train station where asbestos materials are present.

As required under O.Reg. 278/05, an AMP must include the following items:

- prepare and keep on premises a record containing the location of the asbestos containing materials, it state (friable or non-friable), and the type of fibres;
- notice in writing any other persons, employees or other employers working or carrying work in the building of the information in the record;
- establish and maintain a training program and instruction of every worker employed by the worker who work in the building and may do work involving the asbestos materials or do work in close proximity to such material and may disturb it;
- update at least every 12 month the record.

This re-inspection report is part of the Asbestos Management Program (AMP) that Via Rail Canada implemented in all its train stations throughout Ontario.

1 BASELINE INFORMATION

From the Designated Substance Survey, in Niagara Falls ACM was detected on hot water heating pipes located in the basement and suspected in floor tiles and in ceiling tile's adhesive. ACM was not detected in walls and ceiling made of plaster and cement.

In order to manage adequately the asbestos materials in the building, testing was done on samples collected during the initial survey but kept aside for further testing. Three samples were then sent to Bodycote.

Sample ID	Materials	Friable/Non-Friable	Results
NF-SF-FT-1	Beige floor tiles	Non-Friable	No Asbestos
NF-FF-CT-1	Ceiling tile	Non-Friable	No Asbestos
NF-FF-CG-1	Ceiling tile adhesive	Non-Friable	No Asbestos

These results confirm that the only asbestos containing materials in the Niagara Falls Train station consist of the thermal system insulation on hot water piping located in the basement.

The lab results are presented in Appendix 1.

2 RE-INSPECTION - 2008

The Niagara Falls train station was re-inspected on September 3rd, 2008 by Dessau's asbestos field technician Eugenia Manzon.

The thermal insulation on the hot water piping in the basement of the train station is generally in poor condition, however, as a temporary mitigation measure, the insulation was wrapped in polythene membrane as shown on the following picture. In addition, in the initial survey, 9"x9" floor tiles present in the 2nd floor toilet room were suspected to contain asbestos fibre. At the time of the re-inspection these tiles were removed. Lab test confirmed that these tiles did not contain asbestos.

The floor plan showing the location of the ACM is presented in Appendix 2.

Typical temporary jacketing of asbestos containing insulation in the basement

3 RECOMMENDATIONS

Since the only ACM in this building consist of the thermal insulation on the hot water piping in the basement, we recommend to abate it under type 2 work (Glove bags). Considering there is approximately 30 linear meters, the estimated cost of removal is lower than 5000$.

When the thermal insulation will be abated, the Asbestos Management Program will no longer be required for this building.

Appendix 1 Certificates of analysis

(2 pages)

Bodycote

TESTING GROUP
www.bodycote.com
www.bodycotetesting.com

N° de projet : P020503-100
Réception
Date : 16 OCT. 2008
E DOMINGUE 3 est Initial

Mr. Éric Domingue
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Gatineau (Québec)
J8Y 6T5

CERTIFICATE OF ANALYSIS

CERTIFICATE 08-1567 VERSION 1.1

Client :	Dessau Inc. – É. Domingue	**P.O. Number :**	148450
Our Project:	08-314518	**Your Project :**	P020503-100 – Via
Date Received :	October 10th 2008	**Date Analysed:**	October 15th 2008

MINERALOGICAL CHARACTERISATION BY POLARISED LIGHT MICROSCOPY AND DISPERSION STAINING COLOURS EPA/600/R-93/116 METHOD

Four (4) samples were submitted for analysis by polarised light microscopy and dispersion staining colours. The samples were prepared and observed using the following procedure :

A fragment of each sample was isolated. If needed in order to extract the fibres, the samples are submitted to light mechanical crushing. The particles and fibres produced are transferred to a glass slide, covered with a cover glass and immersed in the appropriate refractive index liquids in order to observe the dispersion staining colours. The orthoscopic and conoscopic optical properties of the samples are also used if they permit further characterisation of the samples. The results are summarised as follows :

1 NF-SF-FT-1 *	
Beige floor tile and white plaster, presence of adhesive	
Floor tile phase	
Asbestos fibres	**None detected**
Naturally occurring organic fibres (cellulose)	Traces
Angular particles, fragments and other	> 95 %
Plaster phase	
Asbestos fibres	**None detected**
Angular particles, fragments and other	> 95 %

* This sample contains two (2) phases analysed separately.

1 NF-FF-CT-1	
Brown acoustic tile	
Asbestos fibres	**None detected**
Synthetic fibres	< 1 %
Naturally occurring organic fibres (wood)	> 95 %
Angular particles, fragments and other	1 – 5 %

Bodycote

Client :	Dessau Inc. – E. Domingue	**P.O. Number :**	148450
Our Project:	08-314518	**Your Project :**	P020503-100 – Via
Date Received :	October 10th 2008	**Date Analysed:**	October 15th 2008

1 NF-FF-CG-1	
Brown adhesive, presence of cardboard and cement	
Asbestos fibres	**None detected**
Synthetic fibres	Traces
Angular particles, fragments and other	> 95 %

1 NF-FF-CP-1	
Brown material	
Asbestos fibres	**None detected**
Naturally occurring organic fibres (wood)	> 95 %
Angular particles, fragments and other	1 – 5 %

Analysed by : Marie Lacroix, Technician

Verified by : Martin Gravelle, B.Sc., Chemist

CHIMISTE Martin Gravelle 2000-107 QUÉBEC

Notes : PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore negative PLM results cannot be guaranteed. This analytical method is semi-quantitative. The applicability of this method varies between < 1 % and 100 % (v/v). Bodycote Materials Testing Canada Inc. suggests that samples reported as « None detected », « trace » or « < 1% » be analysed by TEM. The present certificate relates only to the samples analysed. The present certificate may not be reproduced, except in full, without written approval by Bodycote Materials Testing Canada Inc. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyse layered samples. The laboratory is not responsible for the representativeness of the samples submitted for analysis. Samples will be kept for a period of 60 days or according to the written request of the client.

BODYCOTE MATERIALS TESTING CANADA INC. PARTICIPATES IN THE AIHA PAT PROGRAM FOR BULK ASBESTOS.

Appendix 2 Floor Plans

(1 page)

LEGEND:

ACM (ASBESTOS CONTAINING MATERIAL)

NF-FF-WI-1 1st FLOOR OFFICE WALL PLASTER AND CEMENT NO ASBESTOS

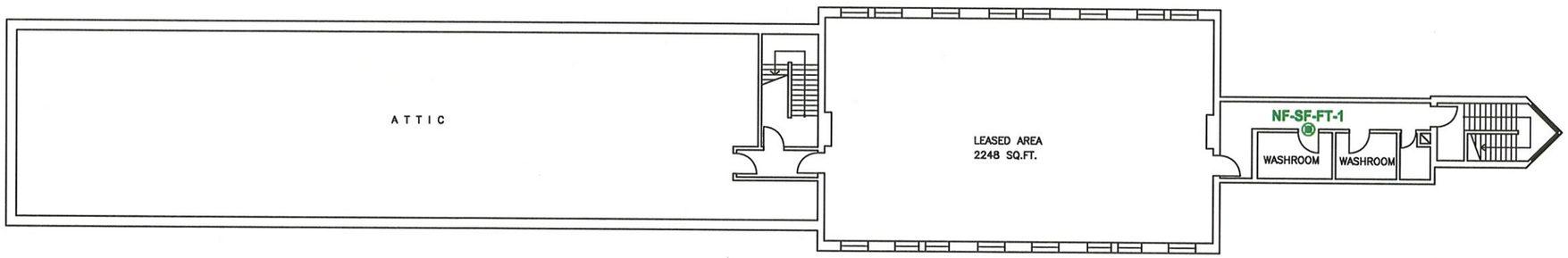
NF-BS-PI-1 BASEMENT FRIABLE INSULATION AND CARDBOARD INSULATION ON HOT WATER PIPES CONTAINS ASBESTOS

NF-SF-FT-1 2nd FLOOR TOILET FLOOR TILES NO ASBESTOS

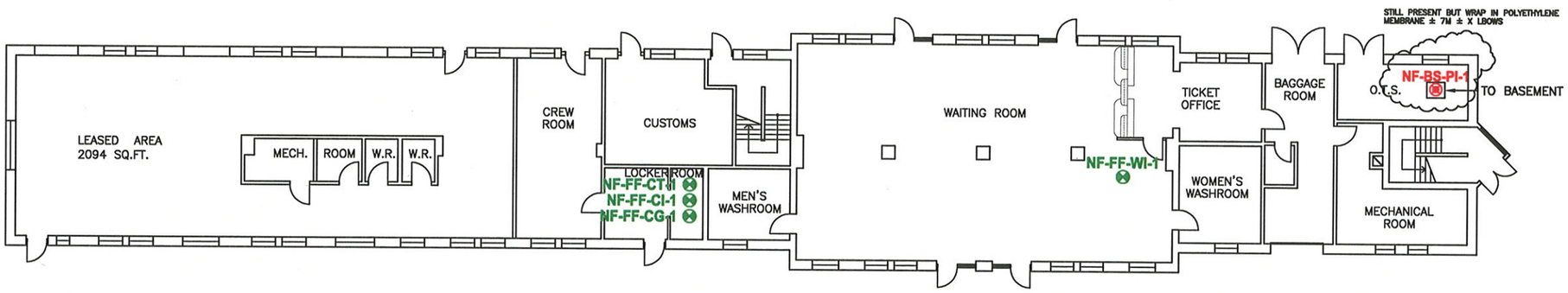
NF-FF-CT-1 LOCKER ROOM CEILING TILES NO ASBESTOS

NF-FF-CI-1 LOCKER ROOM CEILING PLASTER AND CEMENT

NF-FF-CG-1 LOCKER ROOM CEILING TILES ADHESIVES NO ASBESTOS



SECOND FLOOR PLAN



FIRST FLOOR PLAN

SOURCE :
– DRAWING «NIAFA1.dwg» PROVIDED BY VIA RAIL CANADA.

Project

VIA RAIL CANADA
ASBESTOS MANAGEMENT PROGRAM

Title

ASBESTOS CONTAINING MATERIAL AND SAMPLING POINT LOCATION NIAGARA FALLS STATION

DESSAU

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Drawn R. Frenette	Scale 1" = 20'	Extract from:	Rev.:
Checked É. Domingue	Date 2008		

M. dept.	Project	Work pckg.	Sub-w.p.	Disc.	Drawing no.	Rev.
038	P020503	0100	000	SG	0137	0A

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