July 12, 2013

City of Saskatoon
Infrastructure Services Department
1101 Avenue P North
Saskatoon, Sk.
S7L 7K6

ATTENTION: Brent Anderson

SUBJECT: Gordon Howe Campground - Asbestos Registry Report

Please find attached our laboratory's results for the bulk material samples taken from the Gordon Howe Campground located at 1640 Avenue P South, Saskatoon, SK. The samples were analyzed in our laboratory for the identification of asbestos.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client. If any questions arise on the results of the attached information please contact our office. Thank you for this opportunity of service to your firm.

Included is a floor plan of the facility identifying the bulk sample locations. Photos of suspect materials sampled are also included following the floor plans.

Sincerely,

Dustin Fraess
Bersch & Associates Ltd.
File: B67BLE15

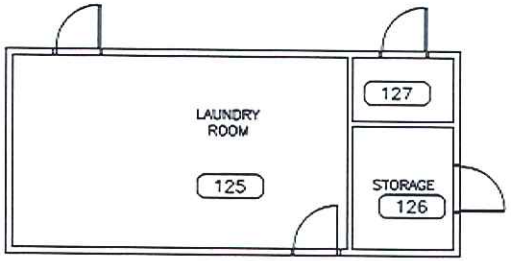
Bersch & Associates Ltd.
Box 3568
Humboldt, Sask. S0K 2A0

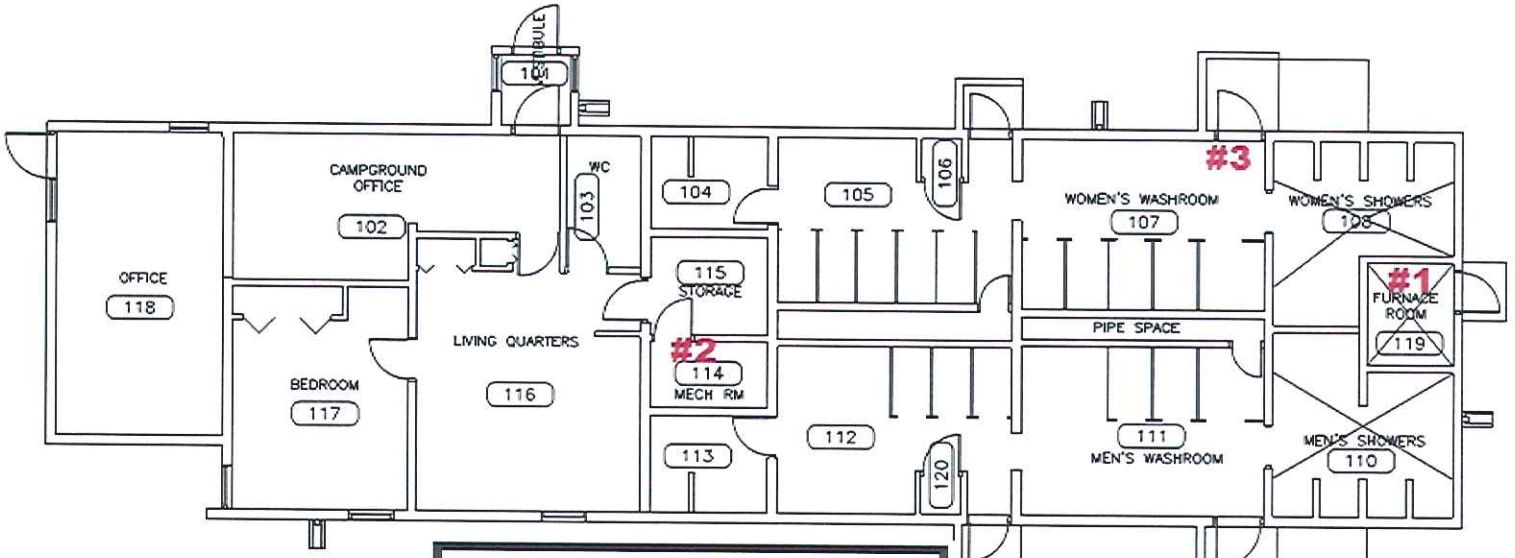
B67BAE15

BULK SAMPLE ANALYSIS REPORT

PROJECT NO. B67.13
CLIENT: City of Saskatoon
Infrastructure Services - Facilities Branch
Contact: Brent Anderson
Location: Gordon Howe Campground - 1640 Avenue P South, Saskatoon, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
B1	15-May-13	119 Furnace Room - Ceiling drywall & insulation	None detected		WB
B2	15-May-13	114 Mechanical - 1' x 1' floor tile	None detected		WB
B3	15-May-13	107 Washroom - Sheet flooring, sandstone	None detected		WB





#__ - Sample # Location

City of Saskatoon

Infrastructure Services Department

Facilities Branch
306-975-3300

GENERAL NOTES:
1. All dimensions are in millimetres
2. Drawings are not to be scaled.
3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
4. Verify site conditions and location of all utilities prior to the start of construction.
5. Report all discrepancies to the Consultant.
6. If in doubt, ask.

DESIGNED BY:	DRAWN BY:	CHECKED BY:	SUBMITTED BY:
	JB		

SCALE: 1:50
DATE: 29/12/2011

SHEET SIZE: Asbuilt

Main Floor Floor Plan

PROJECT TITLE
779 Campground Office

PROJECT NO.

SHEET NO.

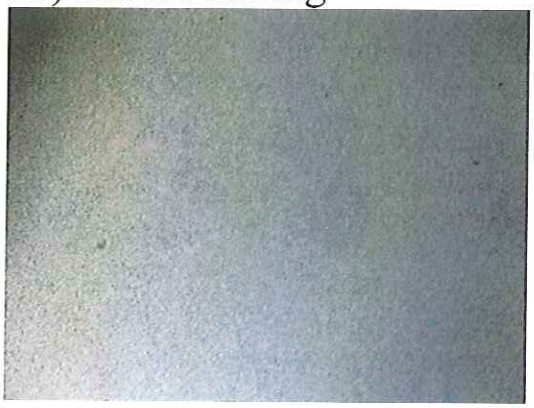
REV. NO.

BULK SAMPLE PHOTOS

#1) Ceiling Drywall

#2) Floor Tile

#3) Sheet Flooring



December 11, 2019

City of Saskatoon
3130 Laurier Drive
Saskatoon, SK
S7L 5J7

ATTENTION: Darrell Wasylowich

SUBJECT: Bulk Sample Analysis Report – Gordon Howe Campground – Living Quarters

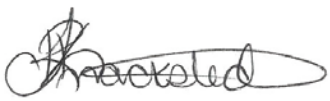
Please find attached the laboratory results for the bulk samples collected on December 4, 2019 from the Gordon Howe Campground located at 1640 Avenue P South, Saskatoon, Saskatchewan. The samples were analyzed for the identification of asbestos. Asbestos **was** detected within one of the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service.

Sincerely,



Tyneal Knackstedt
Bersch Consulting Ltd.
B67BLL04I – GH Campground Living

Bulk Sample Analysis Report

December 11, 2019

Project Number: B67.19

Client: City of Saskatoon

Contact: Darrell Wasylowich

Location: Gordon Howe Campground

File Number: B67BAL04I

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1a	2019/12/04	Floor Tile	Living Quarters Room 116 1' x 1'	Chrysotile	3%	EMSL/WB
1b	2019/12/04	Floor Tile Mastic	Living Quarters Room 116 1' x 1'	No Asbestos Detected		EMSL/WB
1c	2019/12/04	Floor Tile Mastic	Living Quarters Room 116 1' x 1'	No Asbestos Detected		EMSL/WB

Note: The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

Bersch Consulting Ltd.

September 16, 2019

City of Saskatoon
3130 Laurier Drive
Saskatoon, SK
S7L 5J7

ATTENTION: Darrell Wasylowich

SUBJECT: Bulk Sample Analysis Report – Gordon Howe Campground Administration Building

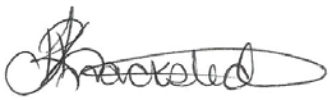
Please find attached the laboratory results for the bulk sample collected on September 9, 2019 from the Gordon Howe Campground located at 1640 Avenue P, Saskatoon, Saskatchewan. The sample was analyzed for the identification of asbestos. Asbestos **was not** detected within the sample.

The results for the sample submitted was obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service.

Sincerely,



Tyneal Knackstedt
Bersch Consulting Ltd.
B67BLI09I – Gordon Howe Campground

Bulk Sample Analysis Report

September 16, 2019

Project Number: B67.19

Client: City of Saskatoon

Contact: Darrell Wasylowich

Location: Gordon Howe Campground

File Number: B67BAI09I

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2019/09/09	Roofing Membrane	Administration Building	No asbestos detected		EMSL/WB

Note: The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

Bersch Consulting Ltd.

April 1, 2019

City of Saskatoon
1101 Avenue P North,
Saskatoon, SK
S7L 7K6

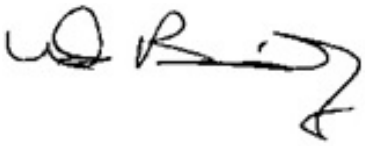
ATTENTION: Chad Thomson

SUBJECT: Gordie Howe Maintenance Building - Asbestos Inspection Report

Bersch Consulting Ltd. conducted a site visit on April 1, 2019, to Gordie Howe Campground – Maintenance Building located at 1640 Avenue P South, Saskatoon, Saskatchewan. The purpose of the visit was to inspect the crawlspaces of the Maintenance Building to identify any concerns regarding suspect asbestos containing material (ACM) within the crawlspace area. The inspection was performed by Wes/Blake Berschiminsky at 09:30hr. As a result, no suspect ACM was identified within the crawlspace, therefore no concerns noted. As a precaution, all persons entering the crawlspace area should be equipped with P100 respirators and disposable coveralls to prevent any exposure to dusts and any other possible contaminants within the space.

If you have any further questions or concerns, please contact our office at (306)978-6665.

Sincerely,



Wes Berschiminsky
Bersch Consulting Ltd.
B67IRD01I – Gordie Howe Campground – Maintenance Building

Bersch Consulting Ltd.

Inspection Report

August 2, 2018

Client: City of Saskatoon
222 3rd Avenue N
Saskatoon, SK
S7K 0J5

Attention: Rod Deans

File Number: B67IRG30H

Project: Gordie Howe Campground Living Quarters– Vermiculite Investigation

Evan Westad and Tyneal Knackstedt of Bersch Consulting Ltd. conducted a site visit on July 30, 2018, to the living quarters at the Gordie Howe Campground located at 1640 Ave P North, Saskatoon, Saskatchewan. The purpose of the visit was to conduct a visual investigation and collect bulk samples to determine the presence/absence of asbestos. One (1) bulk sample was collected and analyzed for the identification of asbestos. Asbestos **was** detected within the sample.

The results for the vermiculite wall insulation sample was obtained by examination in accordance with the EPA/600/R-04/004 Polarized Light Microscope and Filtration Technique. Based on the sample results, the material is classified as a hazardous material.

Occupational Health and Safety, 1996 – Section 330 b.1 “asbestos-containing material means: (.i) vermiculite determined to contain any asbestos when tested according to an approved method”

Reference page 10 of the EACO Vermiculite Guideline 2015 document - 5. Analysis of Vermiculite – “If amphibole asbestos is detected, even at low concentrations by PLM, the material shall be considered as an asbestos-containing material (ACM).”

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

Site Observations and Information

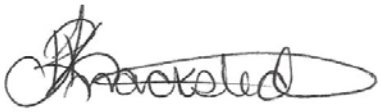
The scope of this investigation included the living quarters adjacent the confectionary and laundry building of the campground. Vermiculite was identified along the west wall of the residence. Vermiculite was not identified in any other areas of the building.

Upon arrival Hub City Contracting Services was HEPA vacuuming and decontaminating the area. Following cleanup Bersch Consulting Ltd. inspected the area and found no remaining vermiculite or debris. All penetrations were sealed using silicon to prevent a reoccurrence. Following the inspection, the area was deemed safe for re-occupancy.

If any questions arise on the results of the attached information, please contact us at (306) 978-6665. Thank you for this opportunity of service.

Sincerely,

Evan Westad
Bersch Consulting Ltd.
File No.: B67PRG30H- Gordie Howe Campground



Tyneal Knackstedt
Bersch Consulting Ltd.

Bulk Sample Analysis Report

August 2, 2018

Project Number: B67.18

Client: City of Saskatoon

Contact: Rod Deans

Location: Gordie Howe Campground Living Quarters

File Number: B67BAG30H

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2018/07/31	Vermiculite	Gordie Howe Campground Living Quarters	Actinolite/ Tremolite	>0.1%	WB

Note: The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

BERSCH & ASSOCIATES LTD.

February 13, 2015

City of Saskatoon
Facilities Branch
1101 Avenue P North
Saskatoon, Sk
S7L 7K6

ATTENTION: Dale Hrynuik

SUBJECT: Bulk Sample Analysis Report

Please find attached the laboratory results for the bulk sample I picked up from the Avenue P reception area of another subfloor sample from the Gordon Howe Campground located at 1640 Avenue P South, Saskatoon Sk. The sample was analyzed for the identification of asbestos. Asbestos was not detected.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information please contact our office. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky
Bersch & Associates Ltd.
File: B67BLB11

Bersch & Associates Ltd.
Box 3568
Humboldt, Sask. S0K 2A0

B67BAB11

BULK SAMPLE ANALYSIS REPORT

PROJECT NO: **B67.15**
CLIENT: **CITY OF SASKATOON**
FACILITIES BRANCH
CONTACT: **DALE HRYNUIK**
LOCATION: **GORDON HOWE CAMPGROUND - 1640 AVENUE P SOUTH, SASKATOON, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	11-Feb-15	Washroom 103 (reno) - Subfloor (Barker Board) Beneath The 3 Layers Of Existing Flooring Previously Analyzed.	None detected		WB

Bersch & Associates Ltd.

October 9, 2015

City Of Saskatoon
Infrastructure Services Department
1101 Avenue P North
Saskatoon, SK **S7L 7K6**

ATTENTION: Guy Sveinbjornson

SUBJECT: Gordon Howe Campground Inspection

Dear Mr. Sveinbjornson,

Bersch & Associates Ltd. was retained by the City of Saskatoon, Infrastructure Services Department to conduct an inspection of the East Campground Washroom and the Campground Office, Women's Washroom at the Gordon Howe Campground located at 1640 Avenue P South in Saskatoon, Saskatchewan. The purpose of the inspection was to identify any Asbestos Containing Materials (ACM's) which may be impacted during the upcoming East Campground Washroom demolition as well as upcoming renovations scheduled for Women's Washroom of the Campground Office complex.

The inspection and bulk sample collection/analysis of the East Campground Washroom resulted in no ACM's being identified. Therefore, washroom demolition activity may proceed without need for concern of asbestos-containing materials disturbance.

Inspection and bulk sample collection within the Women's Washroom resulted in "Chrysotile" asbestos being identified in the drywall mud compound sampled within Women's Washroom 107. Therefore, all drywall mud compound located within the Women's Washroom and adjoining rooms shall be considered asbestos. If scheduled renovation activity will impact the asbestos drywall mud compound within Washroom 107 and the adjoining rooms, then Low Risk Asbestos Process procedures will need to be implemented. Attached is the Bersch & Associates Ltd., Asbestos Drywall Joint Compound Removal guidelines for your review. Previous asbestos survey activity resulted in the sheet flooring within Washroom 107 being confirmed as non-asbestos.

It should also be noted that vermiculite block wall insulation was observed adjacent the gas meter pipe protruding through the South exterior wall of the office complex. Should future renovation activity impede on the block wall fill insulation, then destructive sampling is recommended to determine whether or not the material contains asbestos.

If any you have any questions regarding the above information, please contact our office at (306) 230-3334. Thank you for this opportunity of service.

Sincerely,

Clint Berschiminsky
Bersch & Associates Ltd.
File: B67ILJ09

Encl 2

BERSCH & ASSOCIATES LTD.

October 8, 2015

City Of Saskatoon
Infrastructure Services Department
1101 Avenue P North
Saskatoon, SK **S7L 7K6**

ATTENTION: Guy Sveinbjornson

SUBJECT: Bulk Sample Analysis Report

Please find attached our laboratory's results for the bulk material samples taken from the Gordon Howe Campground located at 1640 Avenue P South, Saskatoon, SK, October 2, 2015. The samples were analyzed in our laboratory for the identification of asbestos. Chrysotile asbestos was identified in the drywall mud compound sample obtained from Women's Washroom 107 of the Campground Office complex.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client. If any questions arise on the results of the attached information please contact our office. Thank you for this opportunity of service to your firm.

Sincerely,

Clint Berschiminsky
Bersch & Associates Ltd.
File: B67BLJ08

Bersch & Associates Ltd.
Box 3568
Humboldt, Sask. S0K 2A0

B67BAJ02

BULK SAMPLE ANALYSIS REPORT

PROJECT NO. B67.15
CLIENT: City of Saskatoon
Infrastructure Services - Facilities Branch
Contact: Guy Sveinbjornson
Location: Gordon Howe Campground - 1640 Avenue P South, Saskatoon, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	2-Oct-15	East Campground Washroom Men's Washroom Beige Flooring w/Green Flecks	None detected		WB
2	2-Oct-15	East Campground Washroom Men's Washroom, Mechanical Room Area 12" x 12" Beige Floor Tile	None detected		WB
3	2-Oct-15	Campground Office Complex Women's Washroom 107, West Wall Ceiling Drywall Mud Compound	Chrysotile	2	WB

Bersch & Associates Ltd.

Asbestos Drywall Joint Compound Removal

The following procedures will be implemented for the removal or demolition of drywall where the joint compound contains or is suspected to contain asbestos. This work is classified as "Low Risk" meaning an asbestos process activity where exposure is intermittent and infrequent. All work will be conducted in accordance with the Saskatchewan Occupational Health & Safety Act - 1993, and the Occupational Health & Safety Regulations – 1996. As with any Low Risk asbestos procedure, power tools must not be used. Suspect materials must be kept damp to keep dust controlled, but care should be exercised not to create a situation that may cause water accumulation and promote future mould growth in or on remaining building materials.

Procedures:

1. Enclose or Isolate the Work Area

a. Use barrier tape or similar isolation material to isolate the work area to a distance of 5 meters (15 feet) from the asbestos process activity.

b. Alternately, placing warning signs at all entries to the work area informing of an asbestos process taking place and the danger to health if exposed to asbestos fibres is recommended in order to prevent any unauthorized access by building occupants.

c. Place a drop sheet on the surface below the asbestos joint compound/drywall removal area.

d. Ensure all tools and equipment necessary to conduct the removal are within the work area.

2. Worker Protection

a. Workers will be provided with a Category 3 Half Face-piece Respirator equipped with High Efficiency Particulate Air (HEPA) filter cartridges.

b. The workers will be trained in the use of the Half Face-piece Respirator and fit tested by the use of an irritant smoke or banana oil if a combination Organic/HEPA filter is used.

c. Tyvek disposable coveralls with elasticized hoods and disposable boot covers will be worn during the asbestos process. On exiting the work area the worker will remove his/her coveralls as well as boot covers and dispose of them into a 6 mil yellow asbestos disposal bag. Also prior to leaving the asbestos process area, ensure that no pieces of visible debris are on your clothing or foot wear.

d. On leaving the asbestos process area the worker will remove his/her respirator and at the earliest opportunity wash face and hands.

3. Minimize Fiber Production

a. Shutdown the HVAC system affecting the work area. Cover all HVAC vents and diffusers with polyethylene..

b. Install certified HEPA filtered negative air fan/air scrubber in order to capture dust which may be released during the asbestos drywall joint compound removal process. Positioning the negative air fans along one wall where they can be placed directly in a window/door opening and vented outdoors or attaching a duct to each unit and vent outdoors is recommended. The negative air pressure need not reach 0.02"H_2O that is required for high risk asbestos processes. Merely obtaining an inward draw into the enclosure is required to aid in dust suppression and/or mouse feces cleanup.

c. For larger areas, erect a change room/clean room at the entrance to the room or building equipped with an overlapping poly doorway at the entry into the work area.

d. For areas in which both the walls and ceilings house asbestos drywall joint compound, start the drywall removal (walls only at this time) at the opposite end of the building, opposite the negative air fan location.

e. The same applies to the final cleaning process, start in the building directly opposite the negative air fans and work towards them.

f. Once all drywall has been removed from the walls, start on the ceiling directly opposite the negative air fans.

g. Mist the drywall to be removed concentrating on the corners and any areas where seams are visible or suspected to be present. Cutting or grinding of the material may create unacceptable fibre levels.

h. Continue to dampen with a fine mist of amended water (water mixed with detergent soap) as the work progresses.

i. Control dust in area by misting fallen debris.

j. During removal, immediately place materials in 6-mil asbestos disposal bags.

k. Drywall/asbestos joint mud compound debris should not be allowed to accumulate. Immediately place materials in 6-mil asbestos disposal bags.

4. Cleanup

a. All materials removed, along with the drop sheet if applicable, will be placed in 6 mil asbestos disposal bags. Double bagging and sealing with duct tape is required to contain asbestos during transport..

b. Following area cleanup, conducting a thorough HEPA filtered vacuuming of the immediate asbestos joint compound abatement area is required to ensure all traces of asbestos, dust and debris are cleaned from the various surfaces.

c. Following work area cleanup, application of a post-removal encapsulant for the asbestos joint compound is recommended. For those locations where gross accumulations of mouse feces are present, applying a disinfectant is also recommended.

d. The double-bagged asbestos waste will be disposed of as per Province of Saskatchewan Occupational Health & Safety Regulations and transported in accordance with the Federal Regulations respecting the Transportations of Dangerous Goods.

Wes Berschiminsky,
Bersch & Associates Ltd.