



## **Field House Asbestos Survey Report**



**January 2015**

**Prepared For: City of Saskatoon Infrastructure Services - Facilities Branch**  
3130 Laurier Drive, Saskatoon, SK.  
Attn: Brent Anderson

**Prepared By: Bersch & Associates Ltd.**  
**Project No. : B67SRJ08**

## 1.0 EXECUTIVE SUMMARY

The survey of the Field House located at 2020 College Drive in Saskatoon, Saskatchewan entailed the inspection of all accessible suspect asbestos containing material (ACM) located throughout the facility. Materials inspected included mechanical insulating material, vinyl floor covering, plaster material, drywall mud compound, roof drain pipe, ceiling tile, ceramic tile, stipple textured ceiling and gasket material.

Bulk sample analysis results indicate the presence of “Chrysotile” asbestos within the Field House located in Saskatoon, SK. Please refer to **Appendix I for Bulk Sample Analysis** results. The recommended actions to be implemented in reference to the ACM identified are Clean-up, Encapsulate and Management. Please refer to section 5 Asbestos Abatement Discussion for definitions. It should be noted that the recommendation of “Management” as part of the asbestos action plan is based upon the premise that renovations are not scheduled throughout the area that would impact the asbestos containing material present. ***Prior to any major renovation/demolition activity, a destructive investigation is recommended to identify any inaccessible ACM that is physically concealed or isolated in areas such as enclosed wall/ceiling/floor cavities and pipe chases. Further testing of drywall mud compound may also be required prior to renovation.*** Asbestos was detected in the following forms throughout the facility:

- **Vinyl Asbestos Floor Tile** is located in Meeting Room 151(walkway to track area) and Meeting Room 207. The Asbestos Floor Tile is identified on the **Floor Plans** in **Appendix III** of this report. It is suspected that the vinyl asbestos tile is present beneath the new layer of flooring throughout the facility. ***Further testing of any flooring beneath the top layer is recommended prior to renovations.***
- **Fire-Stop Material** is located at pipe penetrations into walls/ceilings/floors within various rooms throughout the facility. The Fire-Stop Material has been identified with a “red” dot of paint. In some cases the fire-stop material was too deep into the pipe penetration and inaccessible to label.
- **Mud Compound** is located on a large water tank within the mechanical room and at pipe penetrations within various rooms throughout the facility. The Mud Compound has been identified with a “red” dot of paint or a red “**ASBESTOS**” stencil.
- **Rope Gasket** is located at pipe penetrations into walls/ceilings/floors and around upper walls surrounding the perimeter of the room within various rooms throughout the facility. The Rope Gasket has been identified with a “red” dot of paint. In some cases the rope gasket was too deep into the pipe penetration and inaccessible to label.
- **Transite Roof Drain Pipe** is located within various rooms throughout the facility. Where accessible the Transite Drain Pipe has been identified with an “**ASBESTOS**” stencil.

- **The Block Walls** throughout the facility were inspected for Vermiculite content as some forms of Vermiculite do contain asbestos. No Vermiculite was observed during the asbestos inspection activity. However, a thorough destructive investigation is recommended prior to building demolition to ensure the absence of vermiculite asbestos material.

Throughout the survey of the Field House the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with Priority One being the items requiring the most immediate attention. See the **Survey Spreadsheet Database** in *Appendix II* for a room-by-room account.

Bersch & Associates Ltd. implemented the use of doorjamb labels that are applied to all the doorjamb of the rooms containing asbestos within the facility. This permits anyone accessing the room to easily identify the ACM present without having to reference the written report. Legends providing explanation of the abbreviations used on doorjamb were placed on the backside of all maintenance/custodial doors within the facility. Employees and contractors will use the legend as a reference to identify ACM within the areas they are working.

## 2.0 INTRODUCTION

Bersch & Associates Ltd. was retained by the City of Saskatoon to conduct an Asbestos Survey and Hazard Assessment of the Field House located in Saskatoon, SK. The survey entailed the inspection of all accessible areas of the facility; including ceiling spaces and pipe chases. The purpose of the survey was to locate, identify and assess the condition of all Asbestos Containing Materials (ACM) located throughout the facility. This report gives a detailed account of the inspection results and our firm's recommendations on control options to be implemented to bring the facility in compliance with the Province of Saskatchewan Occupational Health and Safety Act and Regulations. Bersch & Associates Ltd. conducted the survey in January 2015. A review of this report shall be conducted with all trades that are entering the facility to perform maintenance or renovation activity. This will ensure they are familiar with the types and locations of asbestos-containing materials present and prevent any uncontrolled disturbance and/or possible exposure to asbestos.

## 3.0 METHODOLOGY

Bersch & Associates Ltd. conducted the survey of the Field House in Saskatoon, SK in January of 2015. The primary documents for guidance and criteria in this survey were the Province of Saskatchewan "Occupational Health and Safety Act and Regulations, 1996", Province of Saskatchewan "Managing Asbestos", and the U.S. Environmental Protection Agency "Guidance for Controlling Asbestos Containing Materials in Buildings". The USEPA document identifies factors associated with the "condition" and the "potential for disturbance or erosion" of asbestos containing materials (ACM). These factors help to determine potential for exposure to ACM and were used to make a qualitative evaluation of the material. It should be noted that the recommendation of "Management" Asbestos Abatement Action is based upon the premise that

renovations are not scheduled in that area that will require disturbing or violating the asbestos containing material. In the event that renovations are scheduled that impact upon the areas of asbestos containing material then pre-removal of the asbestos containing materials may be necessary.

In total, fifty-three (53) bulk samples of suspect asbestos-containing materials were collected throughout the facility. Chrysotile asbestos was identified within seven (7) of the samples collected. Refer to Appendix I for a copy of the Bulk Sample Analysis Report. All bulk samples collected were analyzed by Bersch & Associates Ltd. laboratory 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 <1% by volume.

## 4.0 RECOMMENDATIONS:

Throughout the survey of the Field House the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with Priority One being the items requiring the most immediate attention. As a result, "Priority One" items were identified in the forms of damaged fire-stop and mud compound material within the corridors of the facility. Future planning should begin to address these areas as per the recommendations provided in the attached **Asbestos Survey Database found in Appendix II**. Priority Ratings for all other ACM identified is also found in the database on a room-by-room account.

## 5.0 ASBESTOS ABATEMENT DISCUSSION

Asbestos is a known carcinogen and is listed in the Province of Saskatchewan under the Occupational Health and Safety Appendix, Part V as a Hazardous Chemical Substance and any release of asbestos fibres into the atmosphere creates a potential health hazard. Although the mechanism and epidemiology of asbestos carcinogenesis is not yet well defined, accumulating evidence suggests the significance of exposure at even very low fibre concentrations and hence human exposure should be kept to a minimum. It should be noted however that asbestos is a natural mineral and a measurable background concentration can be detected in any location sampled (inside buildings, outside buildings, urban, rural, etc.). The recommendations of the report are therefore intended to keep the potential exposure to an absolute minimum with the knowledge that a zero exposure is not possible.

Asbestos containing materials have been used in a wide variety of applications. Of particular concern, is the group of so called friable products. A friable product is one that can be crumbled or reduced to powder or smaller fragments by hand pressure. Publications from the U.S.E.P.A. as early as 1977 have indicated the potential hazard of asbestos exposure in buildings containing these friable products. The two main uses of friable asbestos products are as spray insulation (thermal, acoustic or fireproofing) on deck and/or beams or as thermal insulation on piping or mechanical equipment. A large amount of non-friable asbestos-containing materials have also



been used in building construction such as asbestos cement board and asbestos containing vinyl flooring.

The mere presence of a friable asbestos containing material does not imply that there is an actual presence of elevated airborne fibre. As numerous studies have indicated, elevated asbestos fibre levels are generally found when settled dust or the actual asbestos containing material itself is disturbed by maintenance, renovation, inadvertent contact or vibration. The factors considered in the Environmental Protection Agency (USEPA) exposure assessment (condition of material, water damage, activity, movement, exposed surface area, accessibility, friability and presence in an air stream) often give some indication of the likelihood of fibre release but are not in any way definitive in determining whether a hazard exists or not. That is, even if the most friable product exists in a building, elevated fibre levels will not likely occur unless there is some disturbance by physical contact, vibration or an air stream.

There are four possible approaches to control exposure to airborne asbestos once a friable material is identified in a building. These methods briefly are as follows:

- A) Removal** - Asbestos material is removed and disposed of by burial and replaced by non-asbestos materials.
- B) Encapsulation** - Asbestos material is coated with a bridging or penetrating sealant.
- C) Enclosure** - Asbestos containing materials are separated from the building environment by barriers such as suspended ceilings or cladding materials.
- D) Deferred Action or Management and Custodial Control** - The Province of Saskatchewan Human Resources, Labor and Employment Branch under the Occupational health and Safety Regulations publish a document outlining "The Management of Asbestos". In the guide for compliance, an action plan is outlined for management of the asbestos materials identified and in summary is:
  - 1. Identification, which has been accomplished by this report.
  - 2. Development of Written Handling Procedures for maintenance personnel or often arrangements are made for a qualified contractor to conduct the necessary removal or spot maintenance prior to the regular staff conducting maintenance.
  - 3. Asbestos Abatement Awareness and Process Training if the regular maintenance personnel are required to conduct asbestos related activities.
  - 4. Inspection on regular basis is conducted to determine the ongoing condition of the material. Sask. Occupational Health & Safety Regulations require an "annual" inspection of all "friable" asbestos materials by a competent person.

In the event renovations or maintenance is performed within areas containing asbestos materials, written procedures must be developed to conduct the activity or prior removal if the situation warrants.

## 6.0 REFERENCES

- .1 Province of Saskatchewan "The Occupational Health and Safety Act and The Occupational Health and Safety Regulations" Office Consolidation, January 1996.
- .2 Province of Saskatchewan Human Resources, Labor, and Employment "The Management of Asbestos" January, 1991.
- .3 USEPA, 1985. U.S. Environmental Protection Agency, "Guidance for Controlling Asbestos-Containing Materials in Buildings". Washington, DC: Office of Toxic Substances, USEPA.
- .4 Midwest Centre for Occupational Health & Safety St. Paul's, Minnesota – Asbestos Training For Inspectors & Management Planners
- .5 McCrone Research Institute Course Hayward California " Asbestos Identification"
- .6 Environment Management and Protection Act, Saskatchewan Environment, October 2002
- .7 Hazardous Substances and waste Dangerous Goods Regulations, Saskatchewan Environment, April 1989

## **APPENDIX I**

### **BULK SAMPLE ANALYSIS REPORT**

***BERSCH & ASSOCIATES LTD.***

January 8, 2015

City Of Saskatoon  
Infrastructure Services Department  
3130 Laurier Drive  
Saskatoon, Sk.  
S7L 5J7

**ATTENTION: Brent Anderson**

**SUBJECT: Bulk Sample Analysis Report**

Please find attached the laboratory results for the bulk analysis of the samples collected throughout the Field House located at 2020 College Drive in Saskatoon, SK. The samples were analyzed in our laboratory for the identification of asbestos.

The results for the bulk samples 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 me at 306 222 7477. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky  
Bersch & Associates Ltd.  
File: B67BLJ08

***Bersch & Associates Ltd.***

B67BAA08

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.15****CLIENT: City of Saskatoon****Infrastructure Services - Facilities Branch****Contact: Brent Anderson****Location: Field House - 2020 College Drive, Saskatoon, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	14-May-13	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Chrysotile	30	WB
2	14-May-13	Room #308 - Mud Compound On Hot Water Tank	Chrysotile	60	WB
3	14-May-13	Room #308 - Pipeline Fitting On Small Supply Glycol Line On The North Side Of Supply Fan 1	None detected		WB
4	14-May-13	Room #202 - Spray-applied Insulation On West Wall	None detected		WB
5	14-May-13	Room #204 - Textured Ceiling Material	None detected		WB
6	14-May-13	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Chrysotile	80	WB
7	8-Jan-15	Room #205 - 2' x 4' Ceiling Tile With Pin Holes & Gashes	None detected		WB

***Bersch & Associates Ltd.***

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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
8	8-Jan-15	Room #205 - Ceiling Tile With Pink Backing On North Wall Above Ceiling Tile	None detected		WB
9	9-Jan-15	Room #205 - Ceiling Tile 2' x 4' With Pin Hole Pattern	None detected		WB
10	9-Jan-15	Room #205 - Mud Compound Above Ceiling Tile 10' East Of 213 Entry In Center Of Corridor	Chrysotile	60	WB
11	9-Jan-15	Room #205 - Ceiling Tile With Slashes, Pin Holes & Brown Backing Lying On Top Of Ceiling Tile	None detected		WB
12	9-Jan-15	Room #205 - Ceiling Tile Slash & Pin Hole Pattern - Common Through Corridor	None detected		WB
13	9-Jan-15	Room #205 - Pipeline Fitting Above Ceiling Tile Adjacent To 252 Stairs	None detected		WB
14	9-Jan-15	Room #205 - Stipple Textured Ceiling Adjacent 219	None detected		WB

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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
15	9-Jan-15	Room #219 - Stipple Textured Ceiling	None detected		WB
16	9-Jan-15	Room #308- Mud Compound At Pipe Penetration Into Floor Adjacent North Wall, Approximately Center of Mech Room	Chrysotile	60	WB
17	9-Jan-15	Room #215 - Sheet Flooring Grey With Dark Grey & White Streak	None detected		WB
18	9-Jan-15	Room #213 - Sheet Flooring Grey Textured 3' x 3' Square Pattern	None detected		WB
19	9-Jan-15	Room #212 - Sheet Flooring Grey, Black, White & Blue Spec	None detected		WB
20	12-Jan-15	Room #305 - Debris On Top Of Supply Fan #1	None detected		WB
21	12-Jan-15	Room #305 - Debris Beneath Boiler #1	None detected		WB

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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
22	12-Jan-15	Room #105 - Small Pipeline Fitting Above Ceiling Tile Adjacent the Stairs	None detected		WB
23	12-Jan-15	Room #105 - Fire-Stop Material At Pipe Penetration Into Room #115	Chrysotile	75	WB
24	12-Jan-15	Room #105 - Medium Pipeline Fitting Above Ceiling Tile Adjacent to "Men's Change Room" Sign	None detected		WB
25	15-Jan-15	Room #105 - 2' x 4' Ceiling Tile With Pin Holes & Small Gashes	None detected		WB
26	12-Jan-15	Room #105 - Small Pipeline Fitting Above Ceiling Tile Across From "Wellness Room" Sign	None detected		WB
27	12-Jan-15	Room #105 - 2' x 4' Ceiling Tile With Pin Holes & Medium Gashes	None detected		WB
28	12-Jan-15	Room #104 - Stipple Textured Ceiling	None detected		WB



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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
29	12-Jan-15	Room #105 - Small Pipeline Fittings Above Ceiling Tile Adjacent To Room #104	None detected		WB
30	12-Jan-15	Room #105 - 1' x 1' Floor Tile Tan With Multiple Black Specs	None detected		WB
31	12-Jan-15	Room #151 - 1' x 1' Floor Tile Tan With Brown & White Streak	Chrysotile	1 to 5	WB
32	12-Jan-15	Room #148 - Sheet Flooring Small White & Grey Stone Pattern	None detected		WB
33	13-Jan-15	Room #118 - Small Pipeline Fitting Above Ceiling Tile Approximately 5' South Of #105 Corridor	None detected		WB
34	13-Jan-15	Room #118 - Small Fitting Above Ceiling Tile, Approximately 5' South Of #105 Corridor	None detected		WB
35	13-Jan-15	Room #118 - Duct Expansion Gasket Above Ceiling Tile Midway Of Corridor Ramp	None detected		WB

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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
36	13-Jan-15	Room #121 - Small Pipeline Fitting Adjacent Unit Heater	None detected		WB
37	13-Jan-15	Room #121 - Lineal Pipeline Insulation Adjacent Unit Heater	None detected		WB
38	13-Jan-15	Room #120 - Lineal Pipeline Insulation On Small Line Adjacent Entry	None detected		WB
39	13-Jan-15	Room #120 - Small Pipeline Fitting On Overhead Line Adjacent Unit Heater	None detected		WB
40	13-Jan-15	Room #120 - Mud Compound On Large Line Adjacent South Wall	None detected		WB
41	13-Jan-15	Room #118 - Stipple Textured Ceiling	None detected		WB
42	13-Jan-15	Room #130 - 1' x 1' Floor Tile White With Tan & Grey Brush Marks	None detected		WB

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<b>NO.</b>	<b>DATE</b>	<b>SAMPLE INFORMATION</b>	<b>ASBESTOS</b>	<b>%</b>	<b>ANALYST</b>
43	13-Jan-15	Room #142 - Small Pipeline Fitting Adjacent Wall	None detected		WB
44	13-Jan-15	Room #142 - Lineal Pipeline Insulation On Small Line	None detected		WB
45	13-Jan-15	Room #142 - Fire Stop Material At Top Of Walls	None detected		WB
46	13-Jan-15	Room # 132 - Drywall Mud Compound	None detected		WB
47	13-Jan-15	Room # 128 - Lineal Pipeline Insulation Above Access Hatch	None detected		WB
48	13-Jan-15	Room #139 - Small Pipeline Fitting Above Shower	None detected		WB
49	13-Jan-15	Room #139 - Ceramic Tile Surrounding Hot Tub	None detected		WB

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NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
50	13-Jan-15	Room #139 - Wall Board Surrounding Heater	None detected		WB
51	13-Jan-15	Room #101 - Small Pipeline Fitting Above East Exterior Doors	None detected		WB
52	13-Jan-15	Room #102/1 - Small Pipeline Fitting Adjacent Unit Heater	None detected		WB
53	13-Jan-15	Room #101 - Small Pipeline Fitting Adjacent West Exterior Doors	None detected		WB

## **APPENDIX II**

### **ASBESTOS SURVEY DATABASE**

Field House																
			SAMPLE DATA													
Floor	Room Number	Use	SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
			SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
M	101	Field House	Sample	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	101	Field House	Sample	B15-ASB.51	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #101(Track) - Small Pipeline Fitting Above East Exterior Doors	Transite Pipe				
M	101	Field House	Sample	B15-ASB.53	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #101 - Small Pipeline Fitting Adjacent West Exterior Doors	Transite Pipe				
M	102/1	Track Storage	Sample	B15-ASB.52	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #102/1 - Small Pipeline Fitting Adjacent Unit Heater	No Accessible ACM				
M	102/2	West 1 Storage										No Accessible ACM				
M	102/3	West 2 Storage										No Accessible ACM				
M	103/1	East Storage										No Accessible ACM				
M	103/2	Maintenance Storage										No Accessible ACM				
M	104	Vestibule	Sample	B15-ASB.28	12-Jan-15	None Detected		Stipple Ceiling Texture			Room #104 - Stipple Textured Ceiling	No Accessible ACM				
M	105	Corridor	Sample	B15-ASB.22	12-Jan-15	None Detected		Pipeline Fitting Compound			Room #105 - Small Pipeline Fitting Above Ceiling Tile Adjacent the Stairs	Fire-Stop Material				
M	105	Corridor	Sample	B15-ASB.23	12-Jan-15	Chrysotile	75%	Fire-Stop Material	Moderate	2	Room #105 - Fire-Stop Material At Pipe Penetration Into Room #115	Fire-Stop Material	Moderate	Cleanup/Manage	Some Fire-Stop Material Is Dislodged. Consider All White Fluffy Fire-Stop Material To Be ACM At Pipe Penetrations, Some Are Possibly Inaccessible To Be Labeled Due To Lineal Pipeline Insulation Hiding It. Only Labeled One Door Jamb At West End Of Corridor	
M	105	Corridor	Sample	B15-ASB.24	12-Jan-15	None Detected		Pipeline Fitting Compound			Room #105 - Medium Pipeline Fitting Above Ceiling Tile Adjacent to "Men's Change Room" Sign	Fire-Stop Material				
M	105	Corridor	Sample	B15-ASB.25	12-Jan-15	None Detected		Ceiling Tile			Room #105 - 2' x 4' Ceiling Tile With Pin Holes & Small Gashes	Fire-Stop Material				
M	105	Corridor	Sample	B15-ASB.26	12-Jan-15	None Detected		Pipeline Fitting Compound			Room #105 - Small Pipeline Fitting Above Ceiling Tile Across From "Wellness Room" Sign	Fire-Stop Material				
M	105	Corridor	Sample	B15-ASB.27	12-Jan-15	None Detected		Ceiling Tile			Room #105 - 2' x 4' Ceiling Tile With Pin Holes & Medium Gashes	Fire-Stop Material				
M	105	Corridor	Sample	B15-ASB.29	12-Jan-15	None Detected		Pipeline Fitting Compound			Room #105 - Small Pipeline Fittings Above Ceiling Tile Adjacent To Room #104	Fire-Stop Material				

Field House																
			SAMPLE DATA													
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
M	105	Corridor	Sample	B15-ASB.30	12-Jan-15	None Detected		Floor Tile			Room #105 - 1' x 1' Floor Tile Tan With Multiple Black Specs	Fire-Stop Material				
M	106	Physiotherapy Clinic (On Track)										No Accessible ACM				
M	1S1	Stairwell 1										No Accessible ACM				
M	107	Physiotherapy Clinic (Armstrong's)										No Accessible ACM				
M	108	Male Locker Room	Sample Rep	B15-ASB.23	12-Jan-15	Chrysotile	75%	Fire-Stop Material	Good	3	Room #105 - Fire-Stop Material At Pipe Penetration Into Room #115	Fire-Stop Material	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Not To Be.	
M	109	Drying										No Accessible ACM				
M	110	Showers										No Accessible ACM				
M	111	Sauna										No Accessible ACM				
M	112	Unused Whirlpool										No Accessible ACM				
M	113	Washroom										No Accessible ACM				
M	114	Male Washroom										No Accessible ACM				
M	115	Janitor	Sample Rep	B15-ASB.23	12-Jan-15	Chrysotile	75%	Fire-Stop Material	Good	3	Room #105 - Fire-Stop Material At Pipe Penetration Into Room #115	Fire-Stop Material	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Otherwise.	
M	116	Female Washroom										No Accessible ACM				
M	117	Rest Room										No Accessible ACM				
M	118	Corridor	Sample	B15-ASB.33	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #118 - Small Pipeline Fitting Above Ceiling Tile Approximately 5' South Of #105 Corridor	Fire-Stop Material, Transite Pipe				
M	118	Corridor	Sample	B15-ASB.34	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #118 - Small Fitting Above Ceiling Tile, Approximately 5' South Of #105 Corridor	Fire-Stop Material, Transite Pipe				
M	118	Corridor	Sample	B15-ASB.35	13-Jan-15	None Detected		Duct Expansion Gasket			Room #118 - Duct Expansion Gasket Above Ceiling Tile Midway Of Corridor Ramp	Fire-Stop Material, Transite Pipe				
M	118	Corridor	Sample Rep	B15-ASB.23	12-Jan-15	Chrysotile	75%	Fire-Stop Material	Poor	1	Room #105 - Fire-Stop Material At Pipe Penetration Into Room #115	Fire-Stop Material, Transite Pipe	High	Cleanup/Manage	Encapsulate Fire-Stop Material At Pipe Penetration Above Ceiling Tile And Clean Up Debris On Ceiling Tile Adjacent The North Wall Across From Room #120	
M	118	Corridor	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Fire-Stop Material, Transite Pipe	Low	Manage		

Field House																
			SAMPLE DATA													
Floor	Room Number	Use	SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
			SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
M	118a	Vestibule	Sample	B15-ASB.41	13-Jan-15	None Detected		Stipple Ceiling Texture			Room #118 - Stipple Textured Ceiling	No Accessible ACM				
M	118b	Corridor										No Accessible ACM				
M	119	Garbage Room	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	120	Meter Room	Sample	B15-ASB.38	13-Jan-15	None Detected		Lineal Pipeline Insulation			Room #120 - Lineal Pipeline Insulation On Small Line Adjacent Entry	No Accessible ACM				
M	120	Meter Room	Sample	B15-ASB.39	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #120 - Small Pipeline Fitting On Overhead Line Adjacent Unit Heater	No Accessible ACM				
M	120	Meter Room	Sample	B15-ASB.40	13-Jan-15	None Detected		Mud Compound			Room #120 - Mud Compound On Large Line Adjacent South Wall	No Accessible ACM				
M	121	Elect. & Tel. Room	Sample	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Moderate	2	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material	Moderate	Cleanup/Manage	Rope Gasket Is Located At Pipe Penetrations And Wall/Ceiling Crack. Rope Gasket Is Starting To Dislodge In Some Areas. Gasket Material May Also Be Behind Cocking-like Material Along The South Wall/Ceiling Crack.	
M	121	Elect. & Tel. Room	Sample	B15-ASB.36	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #121 - Small Pipeline Fitting Adjacent Unit Heater	Rope Gasket Material				
M	121	Elect. & Tel. Room	Sample	B15-ASB.37	13-Jan-15	None Detected		Lineal Pipeline Insulation			Room #121 - Lineal Pipeline Insulation Adjacent Unit Heater	Rope Gasket Material				
M	122	Transformer Room/Maintenance Storage	Sample Rep	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Good	3	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Otherwise.	
M	123	Maintenance Staff	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Moderate	Manage	Transite Pipe Above Ceiling Tile. One Small Piece Adjacent Room #125	
M	124	Locker Room	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	125	Laundry										No Accessible ACM				
M	126	Vestibule										No Accessible ACM				
M	127/1A	Waiting Area										No Accessible ACM				
M	127/1B	Reception										No Accessible ACM				



Field House																
			SAMPLE DATA													
Floor	Room Number	Use	SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of Asbestos	Tradename ACM Product	Condition	Priority	Description of Sample Location	Asbestos Content In Area	Potential for Disturbance	Recommended Action	Comments	
M	128	Cafeteria	Sample	B15-ASB.47	13-Jan-15	None Detected		Lineal Pipeline Insulation			Room # 128 - Lineal Pipeline Insulation Above Access Hatch	No Accessible ACM				
M	128/1a	Cafeteria	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	128/1b	Cafeteria	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	129	Vestibule										No Accessible ACM				
M	130	General Offices	Sample	B15-ASB.42	13-Jan-15	None Detected		Floor Tile			Room #130 - 1' x 1' Floor Tile White With Tan & Grey Brush Marks	No Accessible ACM				
M	130/1B	Fitness Programs Desk										No Accessible ACM				
M	130/1C	Fitness Specialist East										No Accessible ACM				
M	131/1F	Filing Area										No Accessible ACM				
M	131	Elevator Machine Room										No Accessible ACM				
M	132	Sask Sport	Sample	B15-ASB.46	13-Jan-15	None Detected		Mud Compound			Room # 132 - Drywall Mud Compound	Rope Gasket Material, Transite Pipe	Low	Manage		
M	132	Sask Sport	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Rope Gasket Material, Transite Pipe	Low	Manage		
M	132	Sask Sport	Sample Rep	B15-ASB.45	13-Jan-15	None Detected		Fire-Stop Material	Good	3	Room #142 - Fire Stop Material At Top Of Walls	Rope Gasket Material, Transite Pipe	Low	Manage		
M	132	Sask Sport	Sample Rep	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Good	3	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material, Transite Pipe	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Otherwise.	
M	133	Office										No Accessible ACM				
M	134	Storage										No Accessible ACM				
M	135	Female Locker Room										No Accessible ACM				
M	136	Hair Drying										No Accessible ACM				
M	137	Washroom										No Accessible ACM				
M	138	Hair Drying										No Accessible ACM				

Field House																
			SAMPLE DATA													
Floor	Room Number	Use	SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
			SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
M	139	Drying	Sample	B15-ASB.48	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #139 - Small Pipeline Fitting Above Shower	No Accessible ACM				
M	139	Drying	Sample	B15-ASB.49	13-Jan-15	None Detected		Ceramic Tile			Room #139 - Ceramic Tile Surrounding Hot Tub	No Accessible ACM				
M	139	Sauna	Sample	B15-ASB.50	13-Jan-15	None Detected		Wall Board			Room #139 - Wall Board Surrounding Heater	No Accessible ACM				
M	140	Showers										No Accessible ACM				
M	141	Sauna										No Accessible ACM				
M	142	Shower Control	Sample	B15-ASB.43	13-Jan-15	None Detected		Pipeline Fitting Compound			Room #142 - Small Pipeline Fitting Adjacent Wall	No Accessible ACM				
M	142	Shower Control	Sample	B15-ASB.44	13-Jan-15	None Detected		Lineal Pipeline Insulation			Room #142 - Lineal Pipe Insulation On Small Line	No Accessible ACM				
M	142	Shower Control	Sample	B15-ASB.45	13-Jan-15	None Detected		Fire-Stop Material			Room #142 - Fire Stop Material At Top Of Walls	No Accessible ACM				
M	143	Weight Room										No Accessible ACM				
M	144	Washroom										No Accessible ACM				
M	146	Weight Room										No Accessible ACM				
M	147	Washroom										No Accessible ACM				
M	148	Hydro Therapy	Sample	B15-ASB.32	12-Jan-15	None Detected		Vinyl Sheet Flooring			Room #148 - Sheet Flooring Small White & Grey Stone Pattern	No Accessible ACM				
M	149	Laundry										No Accessible ACM				
M	150	Meeting Room	Sample	B15-ASB.31	12-Jan-15	Chrysotile	1-5%	Vinyl Asbestos Tile	Good	3	Room #151 - 1' x 1' Floor Tile Tan With Brown & White Streak	Vinyl Asbestos Tile	Low	Manage	Floor Tile Is Present Within Walkway Into The Track Area.	
M	151	Storage	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	152	Recreation Worker II										No Accessible ACM				
M	153	Facilities Coordinator	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		

Field House																
			SAMPLE DATA													
Floor	Room Number	Use	SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
			SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
M	154	Fitness Specialist South	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
M	155	Recreation Worker I										No Accessible ACM				
M	157	Assessment Office										No Accessible ACM				
2	202	Field House Mezzanine	Sample	B15-ASB.4	13-May-14	None Detected		Insulation			Room #202 - Spray-applied Insulation On West Wall	No Accessible ACM				
2	204	Corridor	Sample	B15-ASB.5	13-May-14	None Detected		Stipple Ceiling Texture			Room #204 - Textured Ceiling Material	No Accessible ACM				
2	205	Corridor	Sample	B15-ASB.7	08-Jan-15	None Detected		Ceiling Tile			Room #205 - 2' x 4' Ceiling Tile With Pin Holes & Gashes	Mud Compound				
2	205	Corridor	Sample	B15-ASB.8	08-Jan-15	None Detected		Ceiling Tile			Room #205 - Ceiling Tile With Pink Backing On North Wall Above Ceiling Tile	Mud Compound				
2	205	Corridor	Sample	B15-ASB.9	09-Jan-15	None Detected		Ceiling Tile			Room #205 - Ceiling Tile 2' x 4' With Pin Hole Pattern	Mud Compound				
2	205	Corridor	Sample	B15-ASB.10	09-Jan-15	Chrysotile	60%	Mud Compound	Poor	1	Room #205 - Mud Compound Above Ceiling Tile 10' East Of 213 Entry In Center Of Corridor	Mud Compound	High	Cleanup/Manage	Clean Up Debris In Center Of Corridor 10' East Of 213 Entry. Consider All Mud At Pipe Penetrations Into Ceiling To Be ACM. Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Not To Be.	
2	205	Corridor	Sample	B15-ASB.11	09-Jan-15	None Detected		Ceiling Tile			Room #205 - Ceiling Tile With Slashes, Pin Holes & Brown Backing Lying On Top Of Ceiling Tile	Mud Compound				
2	205	Corridor	Sample	B15-ASB.12	09-Jan-15	None Detected		Ceiling Tile			Room #205 - Ceiling Tile Slash & Pin Hole Pattern - Common Through Corridor	Mud Compound				
2	205	Corridor	Sample	B15-ASB.13	09-Jan-15	None Detected		Pipeline Fitting Compound			Room #205 - Pipeline Fitting Above Ceiling Tile Adjacent To 252 Stairs	Mud Compound				
2	205	Corridor	Sample	B15-ASB.14	09-Jan-15	None Detected		Stipple Ceiling Texture			Room #205 - Stipple Textured Ceiling Adjacent 219	Mud Compound				
2	206	Storage										No Accessible ACM				
2	207	Meeting Room 1	Sample Rep	B15-ASB.31	12-Jan-15	Chrysotile	1-5%	Vinyl Asbestos Tile	Good	3	Room #151 - 1' x 1' Floor Tile Tan With Brown & White Streak	Vinyl Asbestos Tile	Low	Manage		

Field House																
			SAMPLE DATA													
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
2	208	Janitorial	Sample Rep	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Moderate	2	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material	Moderate	Manage	Upper Wall Surrounding The Perimeter Of The Room. The Rope Gasket/Fire-Stop Material Is Becoming Dislodged.	
2	2S2	Stairwell										No Accessible ACM				
2	210	Women's Washroom										No Accessible ACM				
2	210/1b											No Accessible ACM				
2	211	Men's Washroom										No Accessible ACM				
2	211/1b											No Accessible ACM				
2	212	Fitness Dance	Sample	B15-ASB.19	09-Jan-15	None Detected		Vinyl Sheet Flooring			Room #212 - Sheet Flooring Grey, Black, White & Blue Spec	Transite Pipe				
2	212	Fitness Dance	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage	Transite Pipe Above Suspended Ceiling Tile. No Door Jamb Sticker.	
2	213	Weight Room	Sample	B15-ASB.18	09-Jan-15	None Detected		Vinyl Sheet Flooring			Room #213 - Sheet Flooring Grey Textured 3' x 3' Square Pattern	Transite Pipe				
2	213	Weight Room	Sample Rep	B15-ASB.1	13-May-14	Chrysotile	30%	Transite Pipe	Good	3	Room #101 - Transite Pipe In Northeast Corner Adjacent Water Fountain	Transite Pipe	Low	Manage		
2	214	Weight Room Storage										No Accessible ACM				
2	215	Meeting Room 2	Sample	B15-ASB.17	09-Jan-15	None Detected		Vinyl Sheet Flooring			Room #215 - Sheet Flooring Grey With Dark Grey & White Streak	No Accessible ACM				
2	216	Storage										No Accessible ACM				
2	2S1	Press Box Stairs										No Accessible ACM				
2	218	Stairwell										No Accessible ACM				
2	219	Vestibule	Sample	B15-ASB.15	09-Jan-15	None Detected		Stipple Ceiling Texture			Room #219 - Stipple Textured Ceiling	No Accessible ACM				
3	301	Female Washroom										No Accessible ACM				
3	302	Office	Sample Rep	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Good	3	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Otherwise.	
3	303	Press Room										No Accessible ACM				

Field House																
			SAMPLE DATA													
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for	Recommended		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments	
3	303a	Vestibule										No Accessible ACM				
3	303b	Vestibule										No Accessible ACM				
3	304	Timing & Control Room	Sample Rep	B15-ASB.6	13-May-14	Chrysotile	60%	Rope Gasket Material	Good	3	Room #121 - Rope Gasket Material At Overhead Conduit Penetration Adjacent Entry	Rope Gasket Material	Low	Manage	Some ACM Is Inaccessible To Label. Consider All Mud Compound/Rope Gasket/Fire-Stop To Be ACM Unless Otherwise Sampled And Proven Otherwise.	
3	305	Dark Room	Sample	B15-ASB.20	12-Jan-15	None Detected					Room #305 - Debris On Top Of Supply Fan #1	No Accessible ACM				
3	305	Dark Room	Sample	B15-ASB.21	12-Jan-15	None Detected					Room #305 - Debris Beneath Boiler #1	No Accessible ACM				
3	306	Male Washroom										No Accessible ACM				
3	307	Vestibule										No Accessible ACM				
3	308	Mechanical Room	Sample	B15-ASB.2	13-May-14	Chrysotile	60%	Mud Compound	Good	3	Room #308 - Mud Compound On Hot Water Tank	Mud Compound	Low	Manage	ACM Located On Water Tank Is Set To Be Abated This July.	
3	308	Mechanical Room	Sample	B15-ASB.3	13-May-14	None Detected		Pipeline Fitting Compound			Room #308 - Pipeline Fitting On Small Supply Glycol Line On The North Side Of Supply Fan 1	Mud Compound				
3	308	Mechanical Room	Sample	B15-ASB.16	09-Jan-15	Chrysotile	60%	Mud Compound	Mod/Good	2	Room #308 - Mud Compound At Pipe Penetration Into Floor Adjacent North Wall, Approximately Center of Mechanical Room	Mud Compound	Low/Mod	Manage	Mud Compound Is At Pipe Penetrations Into The Floor Along The North Wall.	
3	309	Vestibule										No Accessible ACM				

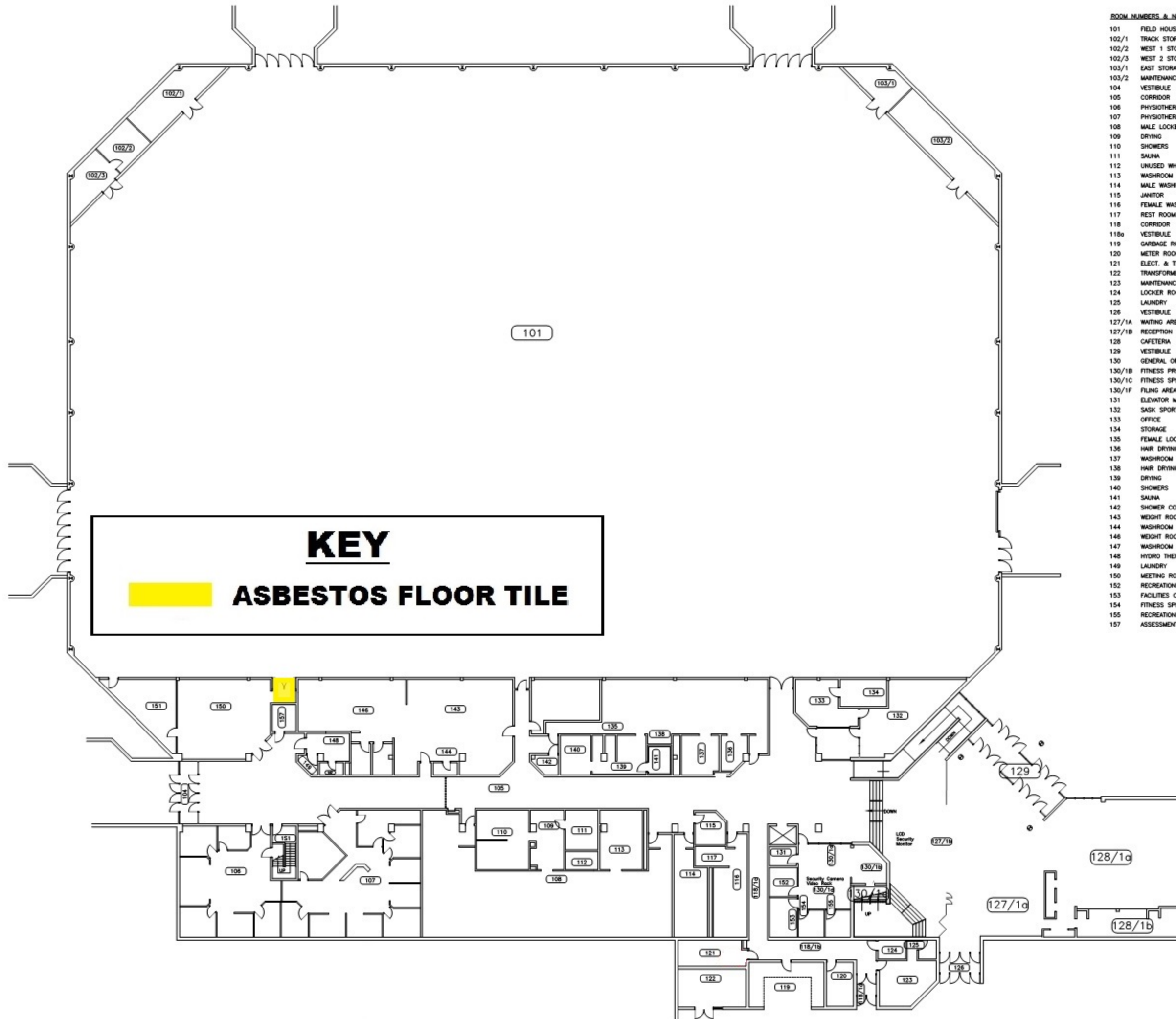
**APPENDIX III**

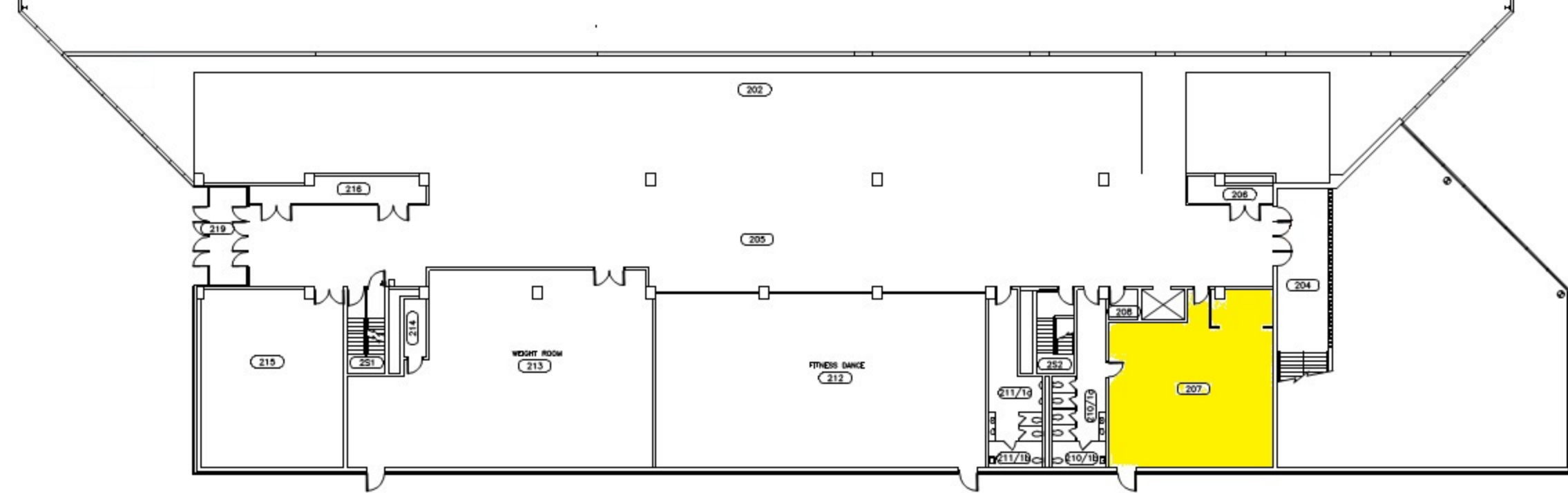
**FLOOR PLANS**

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.

ROOM NUMBERS & NAMES	
101	FIELD HOUSE
102/1	TRACK STORAGE
102/2	WEST 1 STORAGE
102/3	WEST 2 STORAGE
103/1	EAST STORAGE
103/2	MAINTENANCE STORAGE
104	VESTIBULE
105	CORRIDOR
106	PHYSIOTHERAPY CLINIC (ON TRACK)
107	PHYSIOTHERAPY CLINIC (ARMSTRONG'S)
108	MALE LOCKER ROOM
109	DRYING
110	SHOWERS
111	SAUNA
112	UNUSED WHIRLPOOL
113	WASHROOM
114	MALE WASHROOM
115	JANITOR
116	FEMALE WASHROOM
117	REST ROOM
118	CORRIDOR
118a	VESTIBULE
119	GARBAGE ROOM
120	METER ROOM
121	ELECT. & TEL. ROOM
122	TRANSFORMER ROOM/MAINTENANCE STORAGE
123	MAINTENANCE STAFF
124	LOCKER ROOM
125	LAUNDRY
126	VESTIBULE
127/1A	WAITING AREA
127/1B	RECEPTION
128	CAFETERIA
129	VESTIBULE
130	GENERAL OFFICES
130/1B	FITNESS PROGRAMS DESK
130/1C	FITNESS SPECIALIST EAST
130/1F	FILE AREA
131	ELEVATOR MACHINE ROOM
132	SASK SPORT
133	OFFICE
134	STORAGE
135	FEMALE LOCKER ROOM
136	HAIR DRYING
137	WASHROOM
138	HAIR DRYING
139	DRYING
140	SHOWERS
141	SAUNA
142	SHOWER CONTROL
143	WEIGHT ROOM
144	WASHROOM
146	WEIGHT ROOM
147	WASHROOM
148	HYDRO THERAPY
149	LAUNDRY
150	MEETING ROOM
152	RECREATION WORKER II
153	FACILITIES COORDINATOR
154	FITNESS SPECIALIST SOUTH
155	RECREATION WORKER I
157	ASSESSMENT OFFICE



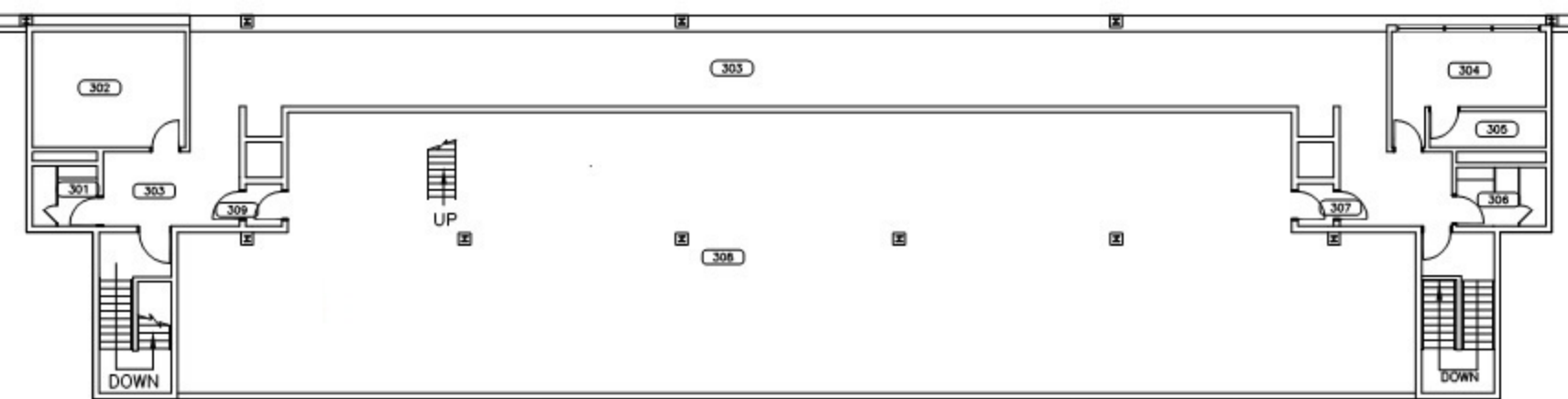


## **KEY**



**ASBESTOS FLOOR TILE**





February 20, 2020

City of Saskatoon  
2020 College Drive  
Saskatoon, SK  
S7N 2W4

**ATTENTION: Matthew Eldstrom**

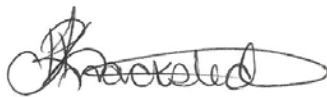
**SUBJECT: Saskatoon Field House Child Minding Room – Floor Tile Abatement Project**

Bersch Consulting Ltd. conducted a site visit to the Saskatoon Field House Child Minding Room to determine the scope of work for the planned floor tile abatement project. The Saskatoon Field House is located at 2020 College Drive, Saskatoon, Saskatchewan. Based on the site visit, Saskatchewan Abatement Manual, and Saskatchewan Occupational Health and Safety Regulations the floor tile can be abated utilizing low risk asbestos abatement procedures. Air clearance may be conducted once abatement is complete prior to demobilization but is not required. It is recommended to determine if the floor tile mastic is asbestos-containing (if not already determined). If the floor tile mastic is asbestos-containing it should be removed as part of the low risk abatement.

The current state of the floor tile does not pose an immediate risk to any worker or visitor to the Child Minding Room.

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 PAg  
Bersch Consulting Ltd.  
B67SVB11J – Child Minding Room

# Bersch Consulting Ltd.

April 16, 2019

City of Saskatoon  
222 3rd Avenue North  
Saskatoon, SK  
S7K 0J5

**ATTENTION: Vince Regnier**

**SUBJECT: Bulk Sample Analysis Report**

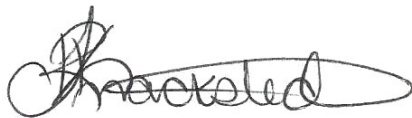
Please find attached the laboratory results for the bulk sample collected on April 10, 2019 from the Saskatoon Field House located at 2020 College Drive in Saskatoon, SK. The sample was analyzed for the identification of asbestos. Asbestos was not detected within the sample.

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.  
B67BLD10I- Saskatoon Field House

## Bulk Sample Analysis Report

April 16, 2019

Project Number: B67.19

Client: City of Saskatoon

Contact: Vince Regnier

Location: Saskatoon Field House

File Number: B67BAD10I

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2019/04/10	Panel Board	Saskatoon Field House	No Asbestos Detected		EMSL

**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.

## ***PRE-RENOVATION ASSESSMENT***

November 19, 2018

**Client: City of Saskatoon**  
**3130 Laurier Drive**  
**Saskatoon, Saskatchewan**  
**S7L 5J7**

**Attention: Bruce Wilson**

**File Number: B67PRAK09H**

**Project: Saskatoon Field House Track Replacement**

---

Brad Berschiminsky of Bersch Consulting Ltd. conducted the Pre-Renovation Assessment on November 9, 2018 of the track area within the Saskatoon Field House. The project will involve the replacement of the track surface.

The purpose of the visit was to investigate and collect bulk samples to determine the presence/absence of asbestos. Four (4) bulk samples were collected and analyzed for the identification of asbestos. Asbestos **was not** detected within the samples.

The results for the bulk samples 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. Please reference Appendix I for the bulk analysis results.

### **Site Observations and Information**

The track area was assessed resulting in no asbestos detected within the concrete slab. Asbestos material will not be disturbed in reference to the scope of work involving the removal and replacement of the track surface. Provide the notification of the asbestos containing roof drainpipes adjacent the exit doors along the north wall. The following observations were noted:

- 1) Non-asbestos pipeline fittings on lineal pipeline fiberglass insulation are located above the exit doors along the perimeter of the track.
- 2) Transite Roof Drainpipes in 2 locations adjacent the north exit doors. The pipe consists of asbestos material.
- 3) The spray-applied insulation on the upper portion of the walls is non-asbestos.
- 4) There is no asbestos containing material on the wall surfaces.

## Site Photos

### 1) Pipeline Fittings Above Doorway (non-asbestos)



### 2) Transite Roof Drainpipe (Asbestos Containing) Adjacent Exit Doors on the North Wall



### 3) Upper East Wall Spray-Applied Insulation (non-asbestos)



If you have any questions or require additional information, please contact me at 306.222.7477. Thank you for this opportunity of service!

Sincerely,

A handwritten signature in black ink, appearing to be 'B Berschiminsky'.

Brad Berschiminsky  
Bersch Consulting Ltd.  
B67PRAK09H SFH

## **Appendix I**

### **Bulk Analysis**



## Bulk Sample Analysis Report

November 19, 2018

Project Number: B67.18

Client: City of Saskatoon

Contact: Bruce Wilson

Location: Saskatoon Field House – Track

File Number: B67BAK09H

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2018-11-09	Concrete Slab	Throw Circle Adjacent the Southeast Corner of Tennis Court 4	No Asbestos Detected		EMSL
2	2018-11-09	Concrete Slab	Throw Circle Adjacent the Southeast Corner of Tennis Court 4	No Asbestos Detected		EMSL
3	2018-11-09	Concrete	Within the Recessed Floor Clean-out Adjacent the Water Fountain in the Northeast Corner	No Asbestos Detected		EMSL
4	2018-11-09	Concrete Slab	Beneath the 2"X2" Track Surface Cut-out in the Northwest Corner Adjacent Court 1	No Asbestos Detected		EMSL

**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.

June 15, 2018

City of Saskatoon  
222 3rd Avenue North  
Saskatoon, SK  
S7K 0J5

**ATTENTION: Vince Regnier**

**SUBJECT: Bulk Sample Analysis Report**

Please find attached the laboratory results for the bulk samples collected from the Saskatoon Field House located at 2020 College Drive in Saskatoon, Sask. The samples were analyzed for the identification of asbestos. Asbestos was not detected within the samples.

The results for sample #1 were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using Transmission Electron Microscopy and filtration preparation techniques. The results of this method are qualitative and are reported indicated the presence or absence of asbestos.

The results for sample #2 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 Knackstead  
Bersch Consulting Ltd.  
B67BLF12H- Saskatoon Field House

## Bulk Sample Analysis Report

June 15, 2018

Project Number: B67.18

Client: City of Saskatoon

Contact: Vince Regnier

Location: Saskatoon Field House

File Number: B67BAF12H

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2018/06/12	Dust	Track- Return Air Duct	No Asbestos Detected		WB/EMSL
2	2018/06/12	Debris*	Staff Lunch Room	No Asbestos Detected		WB/EMSL

\*Sample consisted of household debris, no vermiculite was detected within the sample.

**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.

May 1, 2018

City of Saskatoon  
Environmental & Corporate Initiatives  
222 – 3<sup>rd</sup> Avenue North  
Saskatoon, SK  
S7K 0J5

**ATTENTION: Blaine Knoblauch**

**SUBJECT: Bulk Sample Analysis Report – Saskatoon Field House**

Please find attached the laboratory results for the bulk samples collected April 27, 2018 from the Saskatoon Field House located at 2020 College Drive, Saskatoon, Saskatchewan. The samples were analyzed for the identification of asbestos. Asbestos **was not** detected within 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, B.S.A., M.SEM.  
Bersch Consulting Ltd.  
B67BLD27H- Saskatoon Field House

## Bulk Sample Analysis Report

April 27, 2018

Project Number: B67.18

Client: City of Saskatoon

Contact: Blaine Knoblauch

Location: Saskatoon Field House – H01 T-Bar Ceiling Replacement

File Number: B67BAD27H

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2018-04-27	Drywall Mud Compound	Room 133 Office – Ceiling Composite Sample	No Asbestos Detected		EMSL
2	2018-04-27	Drywall Mud Compound	Room 134 Storage – Ceiling Composite Sample	No Asbestos Detected		EMSL
3	2018-04-27	2' X 4' Pinhole/Fissure Pink Banking Ceiling Tile	206 Second Floor Storage Room	No Asbestos Detected		EMSL

**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.

May 8<sup>th</sup>, 2017

City of Saskatoon  
Facilities and Fleet Management  
3130 Laurier Drive  
Saskatoon, Sk  
S7L 5J7

**ATTENTION: Richard Rothenburger**

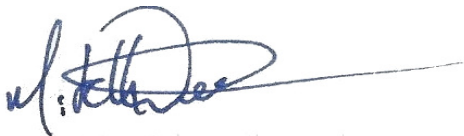
**SUBJECT: Asbestos Site Investigation – 2020 College Drive – Rooms 119 & 121.**

Mitch Webber of Bersch Consulting Ltd. conducted a site visit on May 8<sup>th</sup>, 2017 to investigate the cinder block walls to confirm there was no asbestos content. The facility is located at 2020 College Drive, Saskatoon, SK. The North, West, and South cinder block walls in room 119 were drilled into to check for vermiculite insulation which resulted in an empty cavity; no insulation was observed in the cinder block walls in this room. The South and East cinder block walls in room 121 were drilled into to check for vermiculite insulation which resulted in an empty cavity; no insulation was observed in the cinder block walls in this room. Based on the site investigation there does not appear to be an asbestos concern that would reflect on the internet project proposed for the areas.

The rooms investigated consist of cinder block walls and a concrete floor. Refer to the attached photos.

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 306 222 7477. Thank you for this opportunity of service!

Sincerely,



Mitch Webber  
Bersch Consulting Ltd.  
B67BLE08G – Field House

## **SITE PHOTOS**

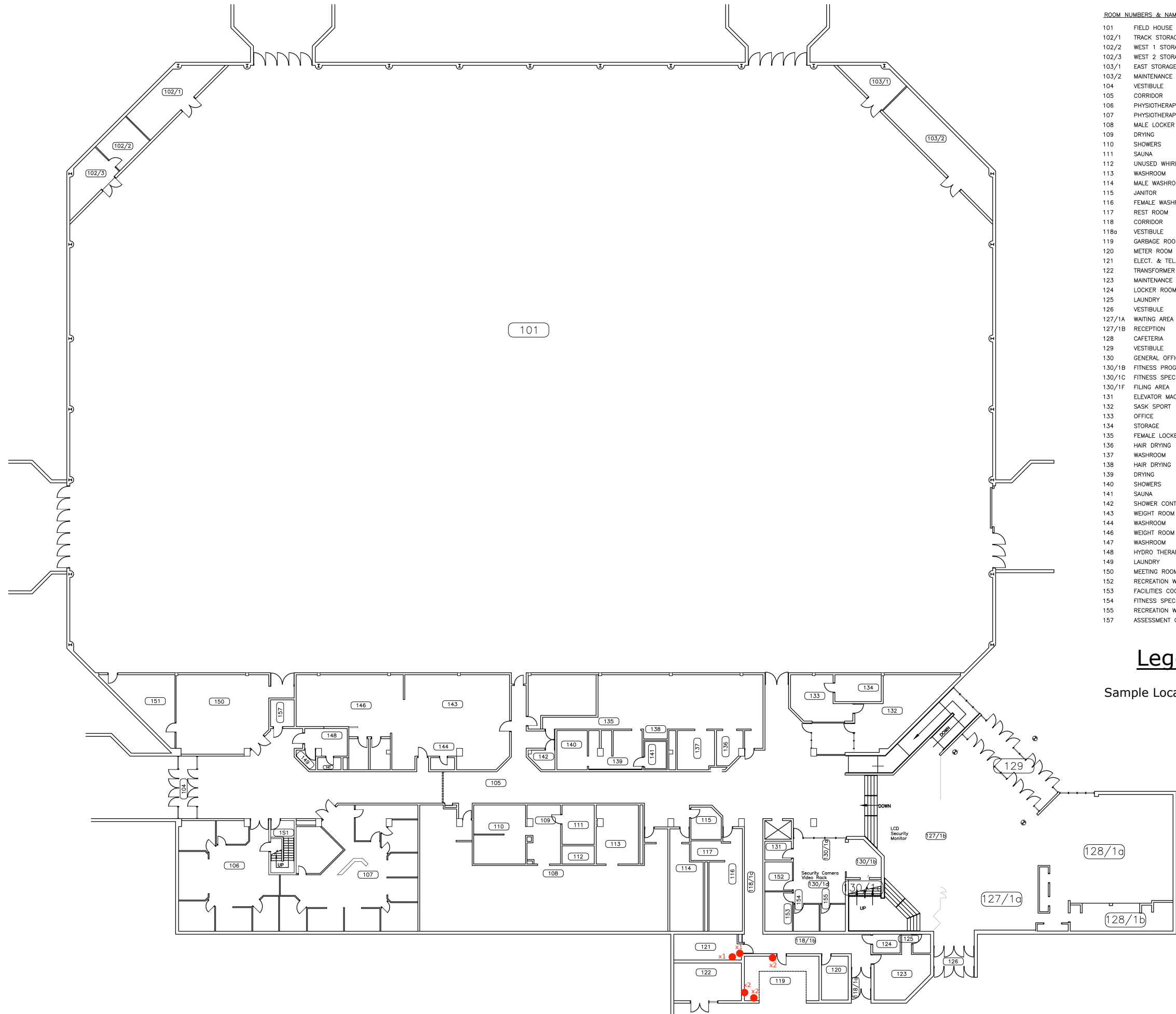
### **ROOM 119 –BLOCK WALL – EMPTY CAVITIES**



## ROOM 121 –BLOCK WALL – EMPTY CAVITIES







- ROOM NUMBERS & NAMES
- 101 FIELD HOUSE
  - 102/1 TRACK STORAGE
  - 102/2 WEST 1 STORAGE
  - 102/3 WEST 2 STORAGE
  - 103/1 EAST STORAGE
  - 103/2 MAINTENANCE STORAGE
  - 104 VESTIBULE
  - 105 CORRIDOR
  - 106 PHYSIOTHERAPY CLINIC (ON TRACK)
  - 107 PHYSIOTHERAPY CLINIC (ARMSTRONG'S)
  - 108 MALE LOCKER ROOM
  - 109 DRYING
  - 110 SHOWERS
  - 111 SAUNA
  - 112 UNUSED WHIRLPOOL
  - 113 WASHROOM
  - 114 MALE WASHROOM
  - 115 JANITOR
  - 116 FEMALE WASHROOM
  - 117 REST ROOM
  - 118 CORRIDOR
  - 118a VESTIBULE
  - 119 GARBAGE ROOM
  - 120 METER ROOM
  - 121 ELECT. & TEL. ROOM
  - 122 TRANSFORMER ROOM/MAINTENANCE STORAGE
  - 123 MAINTENANCE STAFF
  - 124 LOCKER ROOM
  - 125 LAUNDRY
  - 126 VESTIBULE
  - 127/1A WAITING AREA
  - 127/1B RECEPTION
  - 128 CAFETERIA
  - 129 VESTIBULE
  - 130 GENERAL OFFICES
  - 130/1B FITNESS PROGRAMS DESK
  - 130/1C FITNESS SPECIALIST EAST
  - 130/1F FILING AREA
  - 131 ELEVATOR MACHINE ROOM
  - 132 SASK SPORT
  - 133 OFFICE
  - 134 STORAGE
  - 135 FEMALE LOCKER ROOM
  - 136 HAIR DRYING
  - 137 WASHROOM
  - 138 HAIR DRYING
  - 139 DRYING
  - 140 SHOWERS
  - 141 SAUNA
  - 142 SHOWER CONTROL
  - 143 WEIGHT ROOM
  - 144 WASHROOM
  - 146 WEIGHT ROOM
  - 147 WASHROOM
  - 148 HYDRO THERAPY
  - 149 LAUNDRY
  - 150 MEETING ROOM
  - 152 RECREATION WORKER II
  - 153 FACILITIES COORDINATOR
  - 154 FITNESS SPECIALIST SOUTH
  - 155 RECREATION WORKER I
  - 157 ASSESSMENT OFFICE

## Legend

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.

REV	ISSUED FOR	DATE
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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REQUESTED BY:
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SCALE: 1:400	DATE: 08 SEP 2004
-----------------	----------------------

SHEET NAME	Asbuilt
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PROJECT TITLE  
**612  
Field House**

PROJECT NO.	SHEET
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REV. NO.	△
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***BERSCH & ASSOCIATES LTD.***

December 3<sup>rd</sup>, 2016

City of Saskatoon  
Facilities and Fleet Management  
3130 Laurier Drive  
Saskatoon, Sk  
S7L 5J7

**ATTENTION: Richard Rothenburger / Hazel Fernandez**

**SUBJECT: Asbestos Site Investigation – Saskatoon Field House – 2020 College Drive - 101, 107, 108, 114, 116, 135, 143, 146, 210 & 211 Renovation Project.**

Mitch Webber of Bersch & Associates Ltd. conducted a site visit on November 22<sup>nd</sup>, 2016 to investigate and collect bulk samples of material to determine the presence/absence of asbestos content. The facility is located at 2020 College Drive, Saskatoon, SK. Twenty-Five (25) samples were collected and analyzed for the identification of asbestos. Asbestos **was** detected in one or more of the samples collected.

The results for the bulk samples 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.

The renovation areas consist of a concrete slab, cinder block walls, drywall, masonry, concrete slab ceiling above suspended ceiling/enclosed ceiling space. The block walls in the renovation areas were drilled into resulting in a hollow block cavity. No insulation was observed in the block walls.

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: B67BLK22F – Saskatoon Field House

**Bersch & Associates Ltd.**

B67BAK22F

244-2002 Quebec Avenue

Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.16****CLIENT: CITY OF SASKATOON****INFRASTRUCTURE SERVICES - FACILITIES BRANCH****CONTACT: RICHARD ROTHENBURGER****LOCATION: FIELD HOUSE - 2020 COLLEGE DRIVE, SASKATOON, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	22-Nov-16	211/210 - Drywall Mud Compound Compilation	No Asbestos Detected		WB
2	22-Nov-16	211/210 - Concrete From South Wall Compilation	No Asbestos Detected		WB
3	22-Nov-16	116/114 - Drywall Mud Compound Compilation	No Asbestos Detected		WB
4	22-Nov-16	116/114 - Concrete From South Wall Compilation	No Asbestos Detected		WB
5	22-Nov-16	116 - Lineal Pipe Insulation Above Enclosed Ceiling Above Access Hatch	No Asbestos Detected		WB
6	22-Nov-16	107 Armstrong Physio Room - Drywall Mud Compound Compilation	No Asbestos Detected		WB
7	22-Nov-16	107 Kitchen Area - Gray Caulking On Wall Adj. Sink	No Asbestos Detected		WB

**Bersch & Associates Ltd.**

B67BAK22F

244-2002 Quebec Avenue

Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.16****CLIENT: CITY OF SASKATOON****INFRASTRUCTURE SERVICES - FACILITIES BRANCH****CONTACT: RICHARD ROTHENBURGER****LOCATION: FIELD HOUSE - 2020 COLLEGE DRIVE, SASKATOON, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
8	22-Nov-16	107 Kitchen Area - White Caulking From Sink	No Asbestos Detected		WB
9	22-Nov-16	107 - Wall Mastic From Wooden Trim	No Asbestos Detected		WB
10	22-Nov-16	107 - Baseboard Mastic	No Asbestos Detected		WB
11	22-Nov-16	107 - 2' x 4' Ceiling Tile Pinhole/Fissured Pattern	No Asbestos Detected		WB
12	22-Nov-16	107 - Concrete From Pillar	No Asbestos Detected		WB
13	22-Nov-16	107 - 2' x 4' Ceiling Tile Small Pinhole/Fissured Pattern	No Asbestos Detected		WB
14	22-Nov-16	107 - Silver Duct Wrap Insulation Above Ceiling Tile	No Asbestos Detected		WB

**Bersch & Associates Ltd.**

B67BAK22F

244-2002 Quebec Avenue

Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.16****CLIENT: CITY OF SASKATOON****INFRASTRUCTURE SERVICES - FACILITIES BRANCH****CONTACT: RICHARD ROTHENBURGER****LOCATION: FIELD HOUSE - 2020 COLLEGE DRIVE, SASKATOON, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
15	22-Nov-16	107 - Tar On Wall Adj. Kitchen Entry (Medium Strip)	Chrysotile	8%	WB
16	22-Nov-16	143/146 - Flooring Material	No Asbestos Detected		WB
17	22-Nov-16	143/146 - Drywall Mud Compound Compilation	No Asbestos Detected		WB
18	22-Nov-16	143/146 - Brown Duct Mastic Above Suspended Ceiling	Chrysotile	4%	WB
19	22-Nov-16	143/146 - Concrete From Pillar Adj. Mirror	No Asbestos Detected		WB
20	22-Nov-16	143/146 - Concrete Ceiling Material Above Suspended Ceiling	No Asbestos Detected		WB
21	22-Nov-16	108 Men's Locker Room - 2' x 4' Ceiling Tile Two Pinhole Pattern	No Asbestos Detected		WB

***Bersch & Associates Ltd.***

B67BAK22F

244-2002 Quebec Avenue

Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.16****CLIENT: CITY OF SASKATOON****INFRASTRUCTURE SERVICES - FACILITIES BRANCH****CONTACT: RICHARD ROTHENBURGER****LOCATION: FIELD HOUSE - 2020 COLLEGE DRIVE, SASKATOON, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
22	22-Nov-16	101 - Concrete From East Wall Adj. Pole Vault Area	No Asbestos Detected		WB
23	22-Nov-16	108 Men's Locker Room - Concrete From South Wall	No Asbestos Detected		WB
24	22-Nov-16	135 Women's Locker Room - Sauna - Gray Wall Board Around Heat Unit	No Asbestos Detected		WB
25	22-Nov-16	135/108 Women's Locker Room - Drywall Mud Compound	No Asbestos Detected		WB

***BERSCH & ASSOCIATES LTD.***

January 22, 2015

City of Saskatoon  
Infrastructure Facilities Branch  
2020 College Drive  
Saskatoon, SK.  
S7K 0J5

**ATTENTION: Richard Rothenburger**

**SUBJECT: Bulk Material Identification Report**

Please find attached our laboratory's results for the bulk sample collected from the Field House on January 16, 2015 of the dust sample in the main floor room 121 electrical room 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 material 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 me at 306 222-7477. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky  
Bersch & Associates Ltd.  
File: B67BLA16

***Bersch & Associates Ltd.***

B67BAA16

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT**

**PROJECT: B67.15**

**CLIENT: CITY OF SASKATOON**

**LOCATION: FIELD HOUSE**

**CONTACT: Richard Rothenburger**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	16-Jan-2015	Electrical Room 121 - Dust/Tape Sample Collected From Floor Surface and Electrical Services	None detected		WB



***BERSCH & ASSOCIATES LTD.***

April 22, 2015

City Of Saskatoon  
Infrastructure Services Department  
3130 Laurier Drive  
Saskatoon, Sk.  
S7L 5J7

**ATTENTION: Brent Anderson**

**SUBJECT: Bulk Sample Analysis Report**

Please find attached the laboratory results for the bulk samples collected from the Saskatoon Field House located at 2020 College Drive collected on April 7, 2015. The destructive sampling was conducted to determine whether asbestos was present in various suspect materials prior to the Men's & Women's Change Room Upgrade Project. The samples were analyzed for the identification of asbestos. Asbestos **was not** detected. A couple areas along the backside of the east wall of the whirlpool and one area on the north whirlpool block wall were examined for the presence of vermiculite block wall insulation. Vermiculite was not observed within the block wall cavities examined from the Service Room adjacent the 112 Whirlpool Room.

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: B67BLD11

**Bersch & Associates Ltd.**

B67BAD11

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.15****CLIENT: City of Saskatoon****Infrastructure Services- Facilities Branch****Contact: Brent Anderson****Location: Field House 2020 College Drive, Saskatoon, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	7-Apr-15	Men's Washroom - Grout In Cinder Block Wall On East Side Of Room 112 Whirlpool In Service Room	No Asbestos Detected		WB
2	7-Apr-15	Men's Washroom - Ceramic Floor Tile In Service Room Adjacent Room 112 Whirlpool	No Asbestos Detected		WB
3	7-Apr-15	Men's Washroom - Grout In Ceramic Floor Tile In Service Room Adjacent Room 112 Whirlpool	No Asbestos Detected		WB
4	7-Apr-15	Men's Washroom - Ceramic Whirlpool Tile In Room 112 Whirlpool	No Asbestos Detected		WB
5	7-Apr-15	Men's Washroom - Grout In Ceramic Whirlpool Tile In Room 112 Whirlpool	No Asbestos Detected		WB
6	11-Apr-15	Women's Washroom - Compilation Of The Overhead Pipe Fittings In The Room To The West Of The Whirlpool	No Asbestos Detected		WB
7	11-Apr-15	Women's Washroom - Grout In Ceramic Whirlpool Tile	No Asbestos Detected		WB

***Bersch & Associates Ltd.***

B67BAD11

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.15****CLIENT: City of Saskatoon****Infrastructure Services- Facilities Branch****Contact: Brent Anderson****Location: Field House 2020 College Drive, Saskatoon, SK.**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
8	11-Apr-15	Women's Washroom - Mortar In North Wall, At Opening In Block Wall At Domestic Water Control Valves, Within The Room To The West Of The Whirlpool Grout In	No Asbestos Detected		WB
9	11-Apr-15	Women's Washroom - Compilation Sample Of Grout In Ceramic Floor Tile In Whirlpool Room And Change Room Area	No Asbestos Detected		WB

***BERSCH & ASSOCIATES LTD.***

August 10<sup>th</sup>, 2015

Dunmac General Contractos Ltd.  
3038 Faithful Avenue  
Saskatoon, SK  
S7K 0B1

**ATTENTION: Jeremiah Klauke**

**SUBJECT: Bulk Material Identification Report**

Please find attached our laboratory's results for the bulk sample submitted Field House Washroom 137 on August 5<sup>th</sup>, 2015 of drywall mud compound. The sample was delivered to our office and forwarded to our Laboratory for the identification of asbestos. Asbestos **was not** detected in the sample.

The results for the bulk 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 me at 306 222-7477 or email. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky  
Bersch & Associates Ltd.  
File: B01BLH05

***Bersch & Associates Ltd.***

B01BAH05

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT**

**PROJECT NO: B01.15**

**CLIENT: Dunmac Construction**

**LOCATION: Field House**

**2020 College Drive, Saskatoon**

**ATTN: Jeremiah Klauke**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	5-Aug-15	Field House - Washroom 137 - Drywall Mud Compound	No Asbestos Detected		WB

**SASKATOON FIELD HOUSE**

**ASBESTOS HAZARD ASSESSMENT  
SURVEY REPORT**

**DECEMBER 2003**

**Prepared by: Bersch & Associates Ltd.  
Prepared for: City of Saskatoon  
Project No. S67.03**

## **1.0 INTRODUCTION**

Bersch & Associates Ltd. were retained by the City of Saskatoon, Infrastructure Services Department to conduct a hazard assessment survey of the Saskatoon Field House located at 2020 College Avenue in Saskatoon, Saskatchewan. The purpose of the survey was to identify, label, assess the condition, and determine the potential for disturbance of any asbestos containing materials located within the Saskatoon Field House. Clint Berschiminsky of Bersch & Associates Ltd. conducted the seminary complex survey in June/August 2003. This report gives a detailed account of the results of the inspection and our firm's recommendations on control options to be implemented to bring the Saskatoon Field House Complex in compliance with the Province of Saskatchewan Occupational Health and Safety Act and Regulations.

## **2.0 METHODOLOGY**

On June 6, 2003, Clint Berschiminsky of Bersch & Associates Ltd. began conducting a site assessment/survey of the Saskatoon Field House. The primary documents for guidance and criteria in this survey were the Province of Saskatchewan "The Occupational Health and Safety Act, 1993" and "The Occupational Health & Safety Regulations, 1996", "Management of Asbestos", and the U.S. Environmental Protection Agency "Guidance for Controlling Asbestos Containing Materials in Buildings. The USEPA document identifies factors associated with the "condition" and the "potential for disturbance or erosion" of asbestos containing materials (ACM). These factors help to define potential for exposure of ACM and were used to make a qualitative evaluation of the material. It should be noted that the recommendation of a "Management" Asbestos Abatement Action is based upon the premise that renovations are not scheduled in that area that will require disturbing or violating the asbestos containing material. In the event that renovations are scheduled that impact upon the areas of asbestos containing material then pre-removal of the asbestos containing materials may be necessary.

In total, forty (22) bulk samples of the suspect asbestos containing materials were collected from the various locations of the Saskatoon Field House. Asbestos was detected in four (4) of the samples collected. Refer to Appendix I for a copy of the Bulk Analysis Report. All bulk samples collected were analyzed by Bersch & Associates Ltd. laboratory in accordance with the current U.S. 40 CFR Part 763, Vol. 52, No.210 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 < 1%.

### 3.0 EXECUTIVE SUMMARY

The survey of the Saskatoon Field House entailed the inspection of all accessible suspect asbestos containing material (ACM) located within the facility. Materials inspected included mechanical equipment insulating materials, cement rainwater leader piping, stipple ceiling texture and spray-applied fireproofing insulation material. Where visual identification was not possible, a sample was collected for bulk analysis to detect any asbestos content. Laboratory analysis results indicated that "Chrysotile" asbestos was present within the Saskatoon Field House. As a result of our site inspection completed August 22, 2003 Asbestos Containing Materials were identified in the following forms:

- Asbestos pipe fitting compound (pipe elbows, hangers, valves etc.) located on runs of fibreglass insulation within 2<sup>nd</sup> Level Mechanical Room.
- Asbestos parging compound located beneath the canvas jacket on the Mechanical Room, Hot Water Tank 09-005
- Asbestos cement drainpipe located within the Garbage Room and adjacent corridor.

All accessible ACM within the Saskatoon Field House (with the exception of the asbestos cement drainpipe located in the Track Area) were clearly identified to eliminate uncertainty of asbestos content. The identification of these materials is as follows:

- *Asbestos containing pipe fittings located on runs of fibreglass insulation are marked with a 'RED' dot of paint to signify them as asbestos containing. All items with such markings are to be considered asbestos.*
- *Asbestos tank/vessel parging compound is clearly labeled "ASBESTOS" in red stencil markings. All insulation with such markings is to be considered asbestos or contaminated with asbestos.*
- *The asbestos cement drainpipe located in the Garbage Room and adjacent corridor are clearly labeled 'ASBESTOS' in red stencil markings. The asbestos cement drainpipe located within the Track area was not labeled due to inaccessibility and its location in a highly visible area. All grey cement drainpipes within the Saskatoon Field House contains asbestos.*



The ACM's located within the Saskatoon Field House were assessed and given a priority rating of One, Two, or Three with priority one items requiring immediate attention. Refer to Appendix II, Asbestos Material Assessment for a summary of our recommendations. The asbestos mechanical insulation located within the 3<sup>rd</sup> Floor Mechanical Room was generally observed in moderate condition with the exception of a few areas. The recommendation of removal/repair was given to materials observed in poor/moderate condition, and/or, with a moderate/high potential for fibre release. Pipe fittings (elbows, T's, valve flanges etc.) and tank insulation requiring repair or removal activity were also identified with **fluorescent orange** paint to signify that asbestos abatement activity was required. **It should be noted that all pipe insulation and pipe fitting compound enclosed in drywall ceiling spaces and wall cavities should be treated as asbestos unless bulk sampling proves otherwise.**

## **RECOMMENDATIONS:**

Based upon the Occupational Health & Safety Act and Regulations of the Province of Saskatchewan the following recommendations are submitted for your consideration with respect to the ACM identified within the Saskatoon Field House.

### **A. MAIN FLOOR**

#### **1. Garbage Room & Track Area**

**Johns Manville (JM) Transite Drainpipe** - The grey cement (Transite) drain pipe located within the garbage room and adjacent corridor as well as the Track area contains asbestos. The drainpipe was observed in good condition. Due to the cement-like state of the material, the transite pipe is not considered friable unless it is mechanically disturbed by grinding, cutting etc. Therefore, management of the transite drain pipe located through the Saskatoon Field House is recommended until renovation/maintenance activity warrants prior removal of the ACM.

<b>PRIORITY:</b>	<b>THREE</b>
<b>CONDITION:</b>	<b>GOOD</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>LOW</b>
<b>ACTION:</b>	<b>MANAGE</b>

### **B. THIRD FLOOR**

#### **1. Mechanical Room**

**a.) North Side of Supply Fan #1** – Asbestos containing compound was identified on four (4) pipe flanges adjacent Supply Fan #1. Overall, the pipe flange compound was observed in moderate condition. However, slight canvas deterioration was observed on three (3) of the flanges. Repair of the pipe flanges is recommended to thoroughly enclose the ACM.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>MODERATE</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE</b>
<b>ACTION:</b>	<b>REPAIR</b>

**b.) North Side of Supply Fan #2** – Asbestos containing pipe fittings were identified on the North side of Supply Fan #2. In total, twenty-two (22) pipe fittings were identified in the area. Overall, the pipe fittings were observed in moderate condition. However, removal of a damaged pipe flange and adjacent pipe elbow is recommended. The damaged ACM is identified with orange florescent paint.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>POOR</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE/HIGH</b>
<b>ACTION:</b>	<b>REMOVE</b>

**c.) South Side of Return Fan #2** – Asbestos containing pipe fittings were identified on the South side of Return Fan #2. Removal of one deteriorated pipe end and an adjacent “T” fitting is recommended.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>POOR</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE</b>
<b>ACTION:</b>	<b>REMOVE</b>

**d.) Hot Water Tank FH-09-005** – Asbestos containing parging compound is located beneath the canvas jacket on Hot Water Tank Fh-09-005. Overall the canvas jacket covering the ACM was observed in good condition. However, three areas on the underside of the tank, two areas on the East end of the tank and six areas on top of the tank require HEPA vacuuming of loose debris. Following HEPA vacuuming activity, enclosing the exposed ACM with canvas and lagging is recommended. Following repair activity, management of the hot water tank insulation until renovation/maintenance activity warrants prior removal is recommended.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>POOR</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE</b>
<b>ACTION:</b>	<b>REPAIR/MANAGE</b>

**e.) Mezzanine Level, North Side of Supply Fan #3** – Asbestos containing pipe fittings were identified on the North side of Supply Fan #3 located on the Mechanical Room mezzanine. In total, twelve (12) pipe fittings were identified in the area. At a minimum, removal of eight (8) damaged/deteriorated pipe fittings identified with orange florescent paint is recommended. However, since the remaining four (4) pipe fittings can be effectively removed in the same Glove Bag

enclosures as the damaged fittings, removal of the additional four pipe fittings is recommended to eliminate the ACM in the area.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>POOR</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE</b>
<b>ACTION:</b>	<b>REMOVE</b>

**f.) Mezzanine Level, North Side of Supply Fan #4** – Asbestos containing pipe fittings were identified on the North side of Supply Fan #4 located on the Mechanical Room mezzanine. In total, twenty-five (25) pipe fittings were identified in the area. Removal of One damaged pipe elbow and one damaged pipe flange is recommended. In addition, repair of the canvas jacket covering one pipe elbow is recommended. Following removal and repair activity, management of the remaining pipe fittings in the area is recommended.

<b>PRIORITY:</b>	<b>ONE</b>
<b>CONDITION:</b>	<b>POOR</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>MODERATE</b>
<b>ACTION:</b>	<b>REPAIR &amp; REMOVE</b>

**g) Throughout 3<sup>rd</sup> Floor Mechanical Room** - The remaining asbestos pipe fittings (Approximately 50) located throughout the 3<sup>rd</sup> Floor Mechanical Room other than those mentioned as Priority One items above were observed in moderate/good condition with a low/moderate potential for future disturbance. Management of the remaining pipe fittings located within the Mechanical Room is recommended until renovation/maintenance activity warrants prior removal of the ACM.

<b>PRIORITY:</b>	<b>THREE</b>
<b>CONDITION:</b>	<b>MODERATE/GOOD</b>
<b>POTENTIAL FOR DISTURBANCE:</b>	<b>LOW/MODERATE</b>
<b>ACTION:</b>	<b>MANAGE</b>

## **4.0 ASBESTOS ABATEMENT DISCUSSION**

Asbestos is a known carcinogen and any release of asbestos fibres into the atmosphere creates a potential health hazard. Although the mechanism and epidemiology of asbestos carcinogenesis is not yet well defined, accumulating evidence suggests the significance of exposure at even very low fibre concentrations and hence human exposure should be kept to a minimum. It should be noted however that asbestos is a natural mineral and a measurable background concentration can be detected in any location sampled (inside buildings, outside buildings, urban, rural, etc.). The recommendations of the report are therefore intended to keep the potential exposure to an absolute minimum with the knowledge that a zero exposure is not possible.

Asbestos containing materials have been used in a wide variety of applications. Of particular concern, is the group of so called friable products. A friable product is one that can be crumbled or reduced to powder or smaller fragments by hand pressure. Publications from the U.S.E.P.A. as early as 1977 have indicated the potential hazard of asbestos exposure in buildings containing these friable products.

The two main uses of friable asbestos products are as spray insulation (thermal, acoustic or fireproofing) on deck and/or beams or as thermal insulation on piping or mechanical equipment. A large amount of non-friable asbestos-containing materials have also been used in building construction such as asbestos cement board and asbestos containing vinyl flooring.

The mere presence of a friable asbestos containing material does not imply that there is an actual presence of elevated airborne fibre. As numerous studies have indicated, elevated asbestos fibre levels are generally found when settled dust or the actual asbestos containing material itself is disturbed by maintenance, renovation, inadvertent contact or vibration. The factors considered in the Environmental Protection Agency (USEPA) exposure assessment (condition of material, water damage, activity, movement, exposed surface area, accessibility, friability and presence in an air stream) often give some indication of the likelihood of fibre release but are not in any way definitive in determining whether a hazard exists or not. That is, even if the most friable product exists in a building, elevated fibre levels will not likely occur unless there is some disturbance by physical contact, vibration or an air stream. Asbestos containing pipe or mechanical insulation is not considered friable unless the jacketing is deteriorated or is disturbed by maintenance or renovation.

There are four possible approaches to control exposure to airborne asbestos once a friable material is identified in a building. These methods briefly are as follows:

- A) Removal** - Asbestos material is removed and disposed of by burial and replaced by non-asbestos materials.
- B) Encapsulation** - Asbestos material is coated with a bridging or penetrating sealant.
- C) Enclosure** - Asbestos containing materials are separated from the building environment by physical airtight and waterproof barriers.
- D) Management and Custodial Control** - The Province of Saskatchewan Human Resources, Labor and Employment Branch under the Occupational health and Safety Regulations publish a document outlining "The Management of Asbestos". In the guide for compliance, an action plan is outlined for management of the asbestos materials identified and in summary is:
  - 1. Identification - which has been accomplished by this report. The Occupational Health & Safety Regulations state that all asbestos containing building materials be clearly marked "ASBESTOS" (where practical) to warn others of the possible exposure to asbestos fibres if disturbed.

2. Inspection on regular basis is conducted to determine the ongoing condition of the material. As per the Occupational Health & Safety Regulations, 1996 an employer shall ensure that all friable asbestos containing material and all sprayed-on asbestos surfaces are regularly inspected by the employer, or owner and are inspected at least annually by a competent person to confirm that the material is not releasing, and is not likely to release, asbestos dust into the atmosphere. Maintenance staff should be instructed to bring to attention any problem areas they note during daily activities.

3. Development of Written Work Procedures for maintenance personnel to Control the Hazard of Asbestos, or often arrangements are made for a qualified contractor to conduct the necessary removal/repair prior to the regular staff conducting maintenance. An Asbestos Control Plan needs to be developed that protects the health and safety of all workers in the event of the dispersal of asbestos dust into the atmosphere at a place of employment or worksite. A brief summary of the Asbestos Control Plan is found under Section 337 (2) of the Occupational Health and Safety Regulations, 1996.

4. Asbestos Abatement Awareness and Low Risk Process Training if the regular maintenance personnel are required to conduct asbestos related activities. Bersch & Associates Ltd. will train maintenance staff on Low Risk Asbestos Process if requested.

For the specifics of this report Repair/enclosure, Removal and Management of the asbestos containing materials are the recommended planned activities. In the event of renovations or maintenance are scheduled to areas containing asbestos materials, written procedures must be developed to conduct the activity or prior removal of the ACM if the situation warrants.

## **5.0 REFERENCES**

- .1 Province of Saskatchewan "The Occupational Health and Safety Regulations" December , 1996.
- .2 Province of Saskatchewan Human Resources, Labour, and Employment "The Management of Asbestos" January, 1991.
- .3 USEPA, 1985. U.S. Environmental Protection Agency, "Guidance for Controlling Asbestos-Containing Materials in Buildings". Washington, DC: Office of Toxic Substances, USEPA

**APPENDIX I**  
**BULK SAMPLE ANALYSIS**

***BERSCH & ASSOCIATES LTD.***

June 20, 2003

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

**Attention: Keith Morson, Project Officer**

**SUBJECT: Bulk Material Identification Report**

Dear Mr. Morson,

Please find attached our laboratory's results for the bulk samples collected from the Saskatoon Field House located at 2020 College Drive in Saskatoon, Saskatchewan during Asbestos Hazard Assessment Survey activity. The samples were sent to our Regina Laboratory for the identification of asbestos.

The results for the bulk samples collected were obtained by examination in accordance with the current U.S. 40 CFR Part 763, Vol. 52, No. 210 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 <1%.

This report relates only to the materials submitted 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.  
S67BLF20



**Bersch & Associates Ltd.**

361 Broad Street

Regina, Sask. S4R 1X2

**PROJECT NO. S67.03****CLIENT: CITY OF SASKATOON  
SASKATOON FIELD HOUSE****BULK SAMPLE ANALYSIS REPORT**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	OTHER	ANALYST
1	4/2/02	Third Floor, Mechanical Room East End of HW Tank 09-005 Tank Parging Compound	Chrysotile	60	N/F Material	WB
2	4/2/02	Third Floor, Mechanical Room North Side of Supply Fan #2 Damaged Pipe Elbow Compound	None		Glass Fibre N/F Material	WB
3	4/2/02	Third Floor, Mechanical Room Mezzanine Level Northwest North Side of Supply Fan #3 Pipe Elbow Parging Compound	Chrysotile	80	N/F Material	WB
4	4/2/02	Third Floor, Mechanical Room North Side of Supply Fan #2 Pipe Flange Fitting Debris on Top of Pipe Elbow	Chrysotile	70	N/F Material	WB
5	4/2/02	Main Floor Corridor Adjacent Electrical Room 2' x 4' Dot Pattern Ceiling Tile with Pink Backing	None		Cellulose Mineral Wool N/F Material	WB
6	4/2/02	Third Floor, Mechanical Room Above Supply Fan #2 HWHS Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB

**N/F - Non Fibrous**

**Bersch & Associates Ltd.**

361 Broad Street

Regina, Sask. S4R 1X2

**PROJECT NO. S67.03****CLIENT: CITY OF SASKATOON  
SASKATOON FIELD HOUSE****BULK SAMPLE ANALYSIS REPORT**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	OTHER	ANALYST
7	6/13/03	Third Floor, Mechanical Room Above Supply Fan #2 Valve Flange Parging Compound	None		Glass Fibre Mineral Wool N/F Material	WB
8	6/13/03	Third Floor, Mechanical Room Mezz. Level Adj. Supply Fan #3 HWHRS Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
9	6/13/03	Third Floor, Mechanical Room Mezz. Level Adj. Supply Fan #3 HWHRS Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
10	6/13/03	Third Floor, Mechanical Room Mezz. Level Adj. Supply Fan #4 Damaged Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
11	6/13/03	Third Floor, Mechanical Room Mezz. Level Adj. Supply Fan #4 HWHRS Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
12	6/13/03	Third Floor, Mechanical Room North Side of Supply Fan #1 Composite Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
13	6/13/03	Third Floor, Mechanical Room South Wall Adj. Glycol Pump P3 Exposed Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB

**N/F - Non Fibrous**

**Bersch & Associates Ltd.**

361 Broad Street

Regina, Sask. S4R 1X2

**PROJECT NO. S67.03****CLIENT: CITY OF SASKATOON  
SASKATOON FIELD HOUSE****BULK SAMPLE ANALYSIS REPORT**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	OTHER	ANALYST
14	6/13/03	Third Floor, Mechanical Room West End of Boiler #1 HWHHS Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
15	6/13/03	Third Floor, Mechanical Room Above Delta Control Panels Pipe Reducer Compound	None		Cellulose, Glass Fibre Mineral Wool N/F Material	WB
16	6/13/03	Third Floor, Mechanical Room East Mechanical Room Entrance Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
17	6/13/03	Main Floor, Garbage Room Ceiling Level Along East Wall Grey Transite Drainpipe	Chrysotile	60	N/F Material	WB
18	6/13/03	Main Floor, Garbage Room Unit Heater Along North Wall Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
19	6/13/03	Main Floor Corridor Adj. Administration Offices Pipe Elbow Compound	None		Glass Fibre Mineral Wool N/F Material	WB
20	6/13/03	Main Floor Corridor Adj. Administration Offices 2'x 4' Dot Pattern Ceiling Tile	None		Cellulose, Glass Fibre Mineral Wool N/F Material	WB

**N/F - Non Fibrous**

***Bersch & Associates Ltd.***

361 Broad Street

Regina, Sask. S4R 1X2

**BULK SAMPLE ANALYSIS REPORT**

**PROJECT NO. S67.03**

**CLIENT: CITY OF SASKATOON  
SASKATOON FIELD HOUSE**

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	OTHER	ANALYST
21	6/13/03	Main Floor, Track Area Spray-applied Wall Insulation	None		Glass Fibre Mineral Wool N/F Material	WB
22	6/13/03	2nd Floor, Stairwell Stipple Ceiling Texture	None		Cellulose N/F Material	WB

**N/F - Non Fibrous**

**Bersch & Associates Ltd.**361 Broad Street,  
Regina, Sk. S4R 1X2**PROJECT NO. S67.03****ACM ASSESSMENT****CITY OF SASKATOON, INFRASTRUCTURE SERVICES DEPARTMENT  
SASKATOON FIELD HOUSE**

AREA	REPORT REFERENCE	PRIORITY	CONDITION	POTENTIAL FOR DISTURBANCE	ACTION
<b>A. MAIN FLOOR</b>					
Garbage Room & Track Area	Page 4, Item 1	3	GOOD	LOW	MANAGE
<b>B. THIRD FLOOR</b>					
North Side of Supply Fan #1	Pages 4 & 5, 1.(a)	1	MODERATE	MODERATE	REPAIR
North Side of Supply Fan #2	Page 5, Item 1.(b)	1	POOR	MODERATE/HIGH	REMOVE
South Side of Return Fan #2	Page 5, Item 1.(c)	1	POOR	MODERATE	REMOVE
Hot Water Tank FH-09-005	Page 5, Item 1.(d)	1	POOR	MODERATE	REPAIR & MANAGE
Mezz. Level, N. Side of Supply Fan #3	Pages 5 & 6, Item 1.(e)	1	POOR to MOD	MODERATE	REMOVE
Mezz. Level, N. Side of Supply Fan #4	Page 6, Item 1.(f)	3	POOR	MODERATE	REPAIR & REMOVE
Throughout Mill - Cement Board	Page 6, Item 1.(g)	3	MOD to GOOD	LOW/MODERATE	MANAGE

**APPENDIX II**  
**ASBESTOS MATERIAL ASSESSMENT**