

City of Winnipeg
Upgrades to the McPhillips and Tache
Pumping Stations
Tender Opportunity 1070-2019

APPENDIX B

Confirmed and Presumed Asbestos Reports



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 1

Confirmed Asbestos and Presumed Asbestos Report

Building #: 1 Building Name: Chlorine Building (Bldg. B) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 8 Location Name: Chlorine Building - Floor: Main-Chlorine Building Room #: Square ft: 1200
 Chlorine Tonner Room

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	6	(7)		EA	V0007	Confirmed Asbestos	Friable
Piping	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	40	(7)		LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.

Building #: 1 Building Name: Chlorine Building (Bldg. B) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 9 Location Name: Chlorine Building - Floor: Main-Chlorine Building Room #: Square ft: 300
 Chlorinator Room

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	6	(7)		EA	S0007	Confirmed Asbestos	Friable
Piping	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	45	(7)		LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 1

Confirmed Asbestos and Presumed Asbestos Report

Building #: 1 **Building Name:** Chlorine Building (Bldg. B) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 10 **Location Name:** Chlorine Building - Vestibule **Floor:** Main-Chlorine Building **Room #:** **Square ft:** 40

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.

Building #: 1 **Building Name:** Chlorine Building (Bldg. B) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 11 **Location Name:** Chlorine Building - Stairwell **Floor:** Main-Chlorine Building **Room #:** **Square ft:** 160

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	5	(7)		EA	V0007	Confirmed Asbestos	Friable
Piping	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	20	(7)		LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 1

Confirmed Asbestos and Presumed Asbestos Report

Building #: 1 Building Name: Chlorine Building (Bldg. B) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 43 Location Name: Chlorine Building Floor: NA Room #: Square ft:
 Exterior

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall	Exterior	Tar		N/A	A	Y	100	(7)		%	V0016	Confirmed Asbestos	Non-Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Roof sections needs to be tested prior to any renovation or demolition activities. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 1

Confirmed Asbestos and Presumed Asbestos Report

Legend:

Action		Access		Condition		Sample Number			
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets () are auto-calculated. Actions in square brackets [] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 13 Location Name: Old Pump Building - Dispatch Floor: Second-Old Pump Room #: Square ft: 1050

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability
							Good	Fair	Poor					
Ceiling		Drywall			C		100	(7)			%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)			%	V9500	Presumed Asbestos	Friable
Wall		Drywall			A		100	(7)			%	V9500	Presumed Asbestos	Non-Friable
Wall		Transite	Surface		A	Y	480	(7)			SF	V9000	Confirmed Asbestos	Non-Friable

Note: Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works. Grout (masonry mortar/cement/plaster) on brick wall is presumed asbestos containing.

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 14 Location Name: Old Pump Building - Office Floor: Second-Old Pump Room #: Square ft: 108

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability
							Good	Fair	Poor					
Ceiling		Drywall			C		100	(7)			%	V9500	Presumed Asbestos	Non-Friable
Wall		Drywall			A		100	(7)			%	V9500	Presumed Asbestos	Non-Friable

Note: Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 15 Location Name: Old Pump Building - Office Floor: Second-Old Pump Room #: Square ft: 108

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Ceiling		Drywall			C		100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable

Note: Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 16 Location Name: Old Pump Building - Washroom Floor: Second-Old Pump Room #: Square ft: 85

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Ceiling		Drywall			C		100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Ceiling		Transite	Surface		A	Y	128	(7)		SF	V9000	Confirmed Asbestos	Non-Friable
Wall		Transite	Surface		A	Y	352	(7)		SF	V9000	Confirmed Asbestos	Non-Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable

Note: Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
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Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 17 Location Name: Old Pump Building - Vestibule Floor: Second-Old Pump Room #: Square ft: 35

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall		Transite	Surface		A	Y	112	(7)		SF	V9000	Confirmed Asbestos	Non-Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable

Note: Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 18 Location Name: Old Pump Building - Stairwell Floor: Second-Old Pump Room #: Square ft: 70

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	Surface	N/A	A	Y	70			SF	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 **Building Name: Old Pump Building (Bldg. C)** **Surveyor: Jason Combe** **Survey Date: 2006-05-01**
Reassessment Date: 2019-07-03 **Reassessment Surveyor: Lambert Cruz**
Location #: 19 **Location Name: Old Pump Building - Storage** **Floor: Third-Old Pump Building Room #:** **Square ft: 120**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.

Building #: 4 **Building Name: Old Pump Building (Bldg. C)** **Surveyor: Jason Combe** **Survey Date: 2006-05-01**
Reassessment Date: 2019-07-03 **Reassessment Surveyor: Lambert Cruz**
Location #: 20 **Location Name: Old Pump Building - Hallway** **Floor: Main-Old Pump Building Room #:** **Square ft: 70**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	Surface	N/A	A	Y	70			SF	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 **Building Name:** Old Pump Building (Bldg. C) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 21 **Location Name:** Old Pump Building - **Floor:** Main-Old Pump Building **Room #:** **Square ft:** 105
Furnace Room

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability		
							Good	Fair	Poor							
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)				%	V9500	Presumed Asbestos	Friable	
Wall		Vermiculite/concrete block walls	Insulation	Masonry	B	N	100	(7)				%	V9500	Presumed Asbestos	Friable	
Piping	Rain Water Leader	Parging Cement	Fitting	Canvas	D	N	3	(7)				EA	V0007	Confirmed Asbestos	Friable	
Piping	Domestic Water (Hot & Cold)	Parging over Fibreglass	Fitting	Canvas	B	Y	12	(7)	2	(6)	3	(3)	EA	V0004	Confirmed Asbestos	Friable

Note: Rain Water Leader Pipe is present at the back of the duct Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing. Damage DW fittings present June 2017

Building #: 4 **Building Name:** Old Pump Building (Bldg. C) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 22 **Location Name:** Old Pump Building - **Floor:** Main-Old Pump Building **Room #:** **Square ft:** 1835
Shop

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability	
							Good	Fair	Poor						
Floor	All	Terrazzo	Surface	N/A	A	Y	100					%	V9500	[Presumed Asbestos]	Non-Friable
Ceiling	All	Lay-in ceiling tiles		Metal	C	N	100	(7)				%	S0011	Confirmed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)				%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)				%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 **Building Name:** Old Pump Building (Bldg. C) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 27 **Location Name:** Old Pump Building - **Floor:** Main-Old Pump Building **Room #:** **Square ft:** 240
Tool Crib

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	Surface	N/A	A	Y	100			%	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.

Building #: 4 **Building Name:** Old Pump Building (Bldg. C) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 28 **Location Name:** Old Pump Building - **Floor:** Main-Old Pump Building **Room #:** **Square ft:** 132
Washroom

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	ALL	N/A	A	Y	100			%	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works. Grout (masonry mortar/cement/plaster) on ceramic wall tiles is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 29 Location Name: Old Pump Building - Locker Room Floor: Main-Old Pump Building Room #: Square ft: 425

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	Surface	N/A	A	Y	100			%	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite/concrete block walls	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works. Grout (masonry mortar/cement/plaster) on cinder block/ceramic walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 30 Location Name: Old Pump Building - Floor: Main-Old Pump Building Room #: Electrical Room Square ft: 200

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Terrazzo	Surface	N/A	A	Y	100			%	V9500	[Presumed Asbestos]	Non-Friable
Wall	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works. Grout (masonry mortar/cement/plaster) on cinder block/ceramic tile walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 **Building Name: Old Pump Building (Bldg. C)** **Surveyor: Jason Combe** **Survey Date: 2006-05-01**
Reassessment Date: 2019-07-03 **Reassessment Surveyor: Lambert Cruz**
Location #: 31 **Location Name: Old Pump Building - Generator Room** **Floor: Main-Old Pump Building Room #:** **Square ft: 600**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite/concrete block walls	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall		Drywall			A		100	(7)		%	V9500	Presumed Asbestos	Non-Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Drywall joint compound of the drywall sections needs to be tested prior to any renovation or demolition works. Grout (masonry mortar/cement/plaster) on cinder block/brick walls is presumed asbestos containing.

Building #: 4 **Building Name: Old Pump Building (Bldg. C)** **Surveyor: Jason Combe** **Survey Date: 2006-05-01**
Reassessment Date: 2019-07-03 **Reassessment Surveyor: Lambert Cruz**
Location #: 35 **Location Name: Old Pump Building - Record Storage Vault** **Floor: Basement-Old Pump Building Room #:** **Square ft: 150**

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 36 Location Name: Old Pump Building - Floor: Basement-Old Pump Room #: Square ft: 800
 Crawlspace Building

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Piping	Domestic Water (Hot & Cold)	Parging over Fibreglass	Fitting	Canvas	D	Y	5	(7)		EA	V0004	Confirmed Asbestos	Friable

Building #: 4 Building Name: Old Pump Building (Bldg. C) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 41 Location Name: Old Pump Building - Floor: NA Room #: Square ft:
 Exterior

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Roof sections needs to be tested prior to any renovation or demolition activities. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 4

Confirmed Asbestos and Presumed Asbestos Report

Legend:

Action		Access		Condition		Sample Number			
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets () are auto-calculated. Actions in square brackets [] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 1 Location Name: Pump Building - Basement Floor: Basement-Pump Building Room #: Square ft: 9000

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability		
							Good	Fair	Poor							
Floor	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)				%	V9500	Presumed Asbestos	Friable	
Floor	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)				%	V9500	Presumed Asbestos	Non-Friable	
Piping one	Domestic Water (Hot & Cold)	Parging over Fibreglass	Fitting	Canvas	C	Y	8	(7)				EA	S0004	Confirmed Asbestos	Friable	
Piping two	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	240	(7)	[6]			LF	V0001	Confirmed Asbestos	Friable	
Piping two	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	30	(7)	2	(6)	1	(3)	EA	V0007	Confirmed Asbestos	Friable
Piping	Chilled Water Supply	Parging Cement	Fitting	Canvas	C	Y	13	(7)				EA	V0004	Confirmed Asbestos	Friable	
Piping	Chilled Water Return	Parging Cement	Fitting	Canvas	C	Y	21	(7)				EA	V0004	Confirmed Asbestos	Friable	
Duct	Fresh Air Intake	Parging over Fibreglass	Fitting	Canvas	C	Y	8	(7)				EA	S0005	Confirmed Asbestos	Friable	
Duct	Fresh Air Intake	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	140	(7)				LF	S0001	Confirmed Asbestos	Friable	
Duct	Generator Exhaust	Magnesia block	System	Metal	C	Y	145	(7)				LF	S0003	Confirmed Asbestos	Friable	

Note: Grout (masonry mortar/cement/plaster) on floor tiles is presumed asbestos containing. Damaged fittings present June 2017, June 2018, July 3 2019



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 2 Location Name: Pump Building - Chlorine Analyzer Room Floor: Main-Pump Building Room #: Square ft: 225

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Floor	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Piping three	Heating Water Return	Parging over Fibreglass	Fitting	Canvas	C	Y	6	(7)		EA	V0006	Confirmed Asbestos	Friable
Piping one	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	2	(7)		EA	V0007	Confirmed Asbestos	Friable
Piping one	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	Y	16	(7)		LF	V0001	Confirmed Asbestos	Friable
Piping two	Heating Water Supply	Parging over Fibreglass	Fitting	Canvas	C	Y	6	(7)		EA	S0006	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 3 Location Name: Pump Building - Floor: Main-Pump Building Room #: Square ft: 75
 Washroom

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Floor	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 **Building Name:** Pump Building (Bldg. A) **Surveyor:** Jason Combe **Survey Date:** 2006-05-01
Reassessment Date: 2019-07-03 **Reassessment Surveyor:** Lambert Cruz
Location #: 4 **Location Name:** Pump Building - Vestibule/Stairwell **Floor:** Main-Pump Building **Room #:** **Square ft:** 450

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Floor	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Floor	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall	All	Adhesive/mastic	Surface	Ceramic Tiles	A	N	100	(7)		%	V9500	Presumed Asbestos	Non-Friable
Wall	All	Plaster	Surface	Ceramic Tiles	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Parging over Fibreglass	Fitting	Canvas	C	Y	1	(7)		EA	V0007	Confirmed Asbestos	Friable
Piping	Rain Water Leader	Sweat Wrap Pipe Insulation	Straight	Canvas	C	N	3	(7)		LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 5 Location Name: Pump Building - Control Room Floor: Main-Pump Building Room #: Square ft: 350

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 6 Location Name: Pump Building - Electrical Room Floor: Main-Pump Building Room #: Square ft: 400

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action			Units	Sample	Hazard	Friability
							Good	Fair	Poor				
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)		%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)		%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Sweatwrap	Straight	Canvas	B	Y	10	(7)		LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept Site: Mc Phillips Pumping Station
 Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 7 Location Name: Pump Building - Filter Floor: Main-Pump Building Room #: Square ft: 250
 Room

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability
							Good	Fair	Poor					
Wall	All	Plaster	Surface	Preformed Block	A	Y	100	(5)			%	V9500	Presumed Asbestos	Friable
Wall		Vermiculite	Insulation	Masonry	B	N	100	(7)			%	V9500	Presumed Asbestos	Friable
Piping	Rain Water Leader	Parging Cement	Fitting	Canvas	C	Y	5	(7)			EA	V0007	Confirmed Asbestos	Friable
Piping	Rain Water Leader	Sweatwrap	Straight	Canvas	C	Y	15	(7)			LF	V0001	Confirmed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.

Building #: 3 Building Name: Pump Building (Bldg. A) Surveyor: Jason Combe Survey Date: 2006-05-01
 Reassessment Date: 2019-07-03 Reassessment Surveyor: Lambert Cruz
 Location #: 42 Location Name: Pump Building Floor: NA Room #: Square ft:
 Exterior

System	Component	Material	Item	Covering	Access	Visible	Condition, Quantity & Action				Units	Sample	Hazard	Friability
							Good	Fair	Poor					
Wall	All	Plaster	Surface	Quarry tile	A	Y	100	(5)			%	V9500	Presumed Asbestos	Friable
Wall	Exterior	Tar			A	Y	100	(7)			%	S0016	Confirmed Asbestos	Non-Friable
Wall		Vermiculite/concrete block walls	Insulation	Masonry	B	N	100	(7)			%	V9500	Presumed Asbestos	Friable

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Roof sections needs to be tested prior to any renovation or demolition activities. Grout (masonry mortar/cement/plaster) on brick walls is presumed asbestos containing.



Client: City of Winnipeg Water and Waste Dept **Site:** Mc Phillips Pumping Station
Building Number(s): 3

Confirmed Asbestos and Presumed Asbestos Report

Legend:

Action		Access		Condition		Sample Number			
(1)	Clean Up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	A	Accessible to all building occupants	Good	No visible damage or deterioration.	S####	Sample collected
(3)	ACM removal	(4)	Precautions for Work Which may Disturb ACM in Poor Condition	B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.	V####	Material is visually identified to be identical to S###
(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair	C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	Poor	Irreparable damage or deterioration with exposed and missing material	V0000	Known non-asbestos material
(7)	Management program and surveillance			D	Not normally accessible or without demolition	NOTE: See report for full definitions of action, access and condition		V9000	Material is visually identified to contain asbestos
								V9500	Material is presumed to contain asbestos
NOTE: Actions in round brackets () are auto-calculated. Actions in square brackets [] are manual								Note: Presumed various materials identified in the report are ACM if not sampled.	

Units SF - Square feet LF - Linear feet EA - Each % - Percentage