# Appendix J – Asbestos Reports

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

# CONFIRMED AND PRESUMED HAZARDOUS REPORT

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**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #1 : Pump Building - Basement** **Floor: Basement-Pump Building** **Room #:** **Area (sqft): 9000**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Duct | Fresh Air Intake | Parging over Fibreglass | Fitting | Canvas | C | Y | | 8 | | | EA | S0005 | Chrysotile | 25-50% | Confirmed Asbestos(F) |
| Duct | Fresh Air Intake | Sweat Wrap pipe insulation | Straight | Canvas | C | Y | | 140 | | | LF | S0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |
| Duct | Generator Exhaust | Magnesia block | System | Metal | C | Y | | 145 | | | LF | S0003 | Chrysotile | 25-50% | Confirmed Asbestos(F) |
| Piping | Chilled Water Return | Parging Cement | Fitting | Canvas | C | Y | | 21 | | | EA | V0004 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping | Chilled Water Supply | Parging Cement | Fitting | Canvas | C | Y | | 13 | | | EA | V0004 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping one | Domestic Water (Hot and Cold) | Parging over Fibreglass | Fitting | Canvas | C | Y | | 8 | | | EA | S0004 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping two | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | | 30 | 2 | 1 | EA | V0007 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping two | Rain Water Leader | Sweat Wrap pipe insulation | Straight | Canvas | C | Y | | 240 | | | LF | V0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |

Grout (masonry mortar/cement/plaster) on floor tiles is found not to contain asbestos. Damaged fittings present June 2017 , June 2018, July 3 2019


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2020

**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #2 : Pump Building - Chlorine Analyzer Room** **Floor: Main-Pump Building** **Room #:** **Area (sqft): 225**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Piping one | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | | 2 | | | EA | V0007 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping one | Rain Water Leader | Sweat Wrap pipe insulation | Straight | Canvas | C | Y | | 16 | | | LF | V0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |
| Piping two | Heating Water Supply | Parging over Fibreglass | Fitting | Canvas | C | Y | | 6 | | | EA | S0006 | Chrysotile | 25-50% | Confirmed Asbestos(F) |
| Piping three | Heating Water Return | Parging over Fibreglass | Fitting | Canvas | C | Y | | 6 | | | EA | V0006 | Chrysotile | 25-50% | Confirmed Asbestos(F) |

There was no vermiculite insulation found inside masonry block walls. Plaster/Grout on Cinder Block walls is found not to contain asbestos.

**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #4 : Pump Building - Vestibule/Stairwell** **Floor: Main-Pump Building** **Room #:** **Area (sqft): 450**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Piping | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | | 1 | | | EA | V0007 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping | Rain Water Leader | Sweat Wrap pipe insulation | Straight | Canvas | C | N | | 3 | | | LF | V0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |

2019 - Confirmed no vermiculite in hollow core walls Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles confirmed - non-asbestos.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2020

**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #6 : Pump Building - Electrical Room** **Floor: Main-Pump Building** **Room #:** **Area (sqft): 400**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Piping | Rain Water Leader | Sweatwrap | Straight | Canvas | B | Y | | 10 | | | LF | V0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |

2019 - Masonry walls confirmed - no vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls - Confirmed non-asbestos

**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #7 : Pump Building - Filter Room** **Floor: Main-Pump Building** **Room #:** **Area (sqft): 250**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Piping | Rain Water Leader | Parging Cement | Fitting | Canvas | C | Y | | 5 | | | EA | V0007 | Chrysotile | 10-25% | Confirmed Asbestos(F) |
| Piping | Rain Water Leader | Sweatwrap | Straight | Canvas | C | Y | | 15 | | | LF | V0001 | Chrysotile | 50-75% | Confirmed Asbestos(F) |

There was no vermiculite insulation found inside masonry block walls. Plaster/Grout on Cinder Block walls is found not to contain asbestos.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2020

**Client: City of Winnipeg Water and Waste Dept** **Site: Mc Phillips Pumping Station** **Building Name: 3 : Pump Building (Bldg. A)**
**Location: #42 : Pump Building Exterior** **Floor: NA** **Room #:** **Area (sqft): 0**
**Surveyor: Jason Combe** **Survey Date: 2006-05-01** **Reassessment Surveyor: Lambert Cruz** **Last Re-Assessment: 2019-07-03**

| ASBESTOS | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System | Component | Material | Item | Covering | A* | V* | AP* | Good | Fair | Poor | Unit | Sample | Asbestos Type | Amount | Hazard |
| Wall | Exterior | Tar | | | A | Y | | 100 | | | % | S0016 | Chrysotile | 5-10% | Confirmed Asbestos(NF) |

2019 - Confirmed No vermiculite in hollow core walls 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.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2020

# Legend:

| Sample number | |
|---|---|
| S#### | Asbestos sample collected |
| V#### | Material visually similar to numbered sample collected |
| V0000 | Known non-asbestos material |
| V9000 | Visually identified as an asbestos material |
| V9500 | Material is presumed to be an asbestos material |

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

| Other | |
|---|---|
| A | Access |
| V | Visible |
| AP | Air Plenum |
| F | Friable material |
| NF | Non Friable material |

| Access | |
|---|---|
| A | Accessible to all building occupants |
| B | Accessible to maintenance and operations staff without a ladder |
| C | Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas |
| D | Not normally accessible |

| Condition | |
|---|---|
| Good | No visible damage or deterioration |
| Fair | Minor, repairable damage, cracking, delamination or deterioration |
| Poor | Irreparable damage or deterioration with exposed and missing material |



Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2020

**Client:** City of Winnipeg Water and Waste Dept **Site:** MacLean Pumping Station

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 1** **Location Name: Vestibule** **Floor: Main** **Room #:** **Square ft: 80**

| 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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 2** **Location Name: Lobby** **Floor: Main** **Room #:** **Square ft: 150**

| 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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 3** **Location Name: Washroom** **Floor: Main** **Room #:** **Square ft: 120**

| 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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 4** **Location Name: Control Room** **Floor: Main** **Room #:** **Square ft: 792**

| 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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 5** **Location Name: Stairwell** **Floor: Main** **Room #:** **Square ft: 200**

| 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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 6** **Location Name: Chlorine Analyzer Room** **Floor: Main** **Room #:** **Square ft: 300**

| 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 | All | Vermiculite/concrete block walls | Insulation | Masonry | B | N | 960 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Duct | Fresh Air Intake | Fibreglass w/Parging | Surface | Canvas | C | Y | 29 | (7) | 1 | (6) | | | SF | V0005 | Confirmed Asbestos | Friable |

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation - 1 SF of damaged duct insulation identified June 2017 Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles is presumed asbestos containing.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 7** **Location Name: Chlorine Scale Room** **Floor: Main** **Room #:** **Square ft: 300**

| 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/concrete block walls | Insulation | Masonry | B | N | 1040 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Piping | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | B | Y | 1 | (7) | | | | | EA | V0002 | Confirmed Asbestos | Friable |
| Duct | Fresh Air Intake | Fibreglass w/Parging | Surface | Canvas | C | Y | 30 | (7) | | | | | SF | S0005 | 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 #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 8** **Location Name: Vestibule** **Floor: Main** **Room #:** **Square ft: 200**

| 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 |

Note: Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 9** **Location Name: Chlorine Tonner Room** **Floor: Main** **Room #:** **Square ft: 1200**

| 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/concrete block walls | Insulation | Masonry | B | N | 2360 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Piping | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | 5 | (7) | | | | | EA | V0004 | Confirmed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 10** **Location Name: Vestibule** **Floor: Main** **Room #:** **Square ft: 80**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Ceiling | | Transite | Surface | N/A | C | Y | 80 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Wall | All | Plaster | Surface | Quarry tile | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

Note: Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 11** **Location Name: Ammonia Room** **Floor: Main** **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/concrete block walls | Insulation | Masonry | B | N | 1160 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Piping | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | 2 | (7) | | | | | EA | V0004 | Confirmed Asbestos | Friable |
| Piping | Domestic Water (Hot & Cold) | Parging over Fibreglass | Fitting | Canvas | B | Y | 4 | (7) | | | | | EA | V0002 | Confirmed Asbestos | Friable |
| Duct | Fresh Air Intake | Fibreglass w/Parging | Surface | Canvas | C | Y | 15 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 12** **Location Name: Upper Walkways** **Floor: Main** **Room #:** **Square ft: 2200**

| 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/concrete block walls | Insulation | Masonry | B | N | 3500 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Piping | Rain Water Leader | Parging over Fibreglass | Fitting | Canvas | C | Y | 2 | (7) | 3 | [6] | | | EA | S0004 | Confirmed Asbestos | Friable |

Note: Masonry walls suspect to contain asbestos containing vermiculite insulation. Damaged pipe insulations Identified June 2017, June 2018, July 2019 is in NE corner of location. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 13** **Location Name: Stairwell** **Floor: Main** **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 | All | Vermiculite/concrete block walls | ALL | N/A | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

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

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 14** **Location Name: Stairwell** **Floor: Mezzanine** **Room #:** **Square ft: 200**

| 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/concrete block walls | Insulation | Masonry | B | N | 475 | (7) | | | | | SF | V9500 | Presumed Asbestos | Friable |
| Piping | Domestic Water (Hot & Cold) | Parging over Fibreglass | Fitting | Canvas | C | Y | 1 | (7) | | | | | EA | V0002 | 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 #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 15** **Location Name: North Mezzanine** **Floor: Mezzanine** **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 | Preformed Block | A | Y | 100 | (5) | | | | | % | 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.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 16** **Location Name: Fan Room** **Floor: Mezzanine** **Room #:** **Square ft: 3600**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Wall | All | Vermiculite/concrete block walls | Surface | Preformed Block | A | N | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Wall | All | Plaster | Surface | Preformed Block | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Duct | Fresh Air Intake | Fibreglass w/Parging | Surface | Canvas | C | Y | 500 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |
| Other | Debris | Parging Cement | Debris | | C | N | | | | | 3 | [1] | SF | V0002 | Confirmed Asbestos | Friable |

Note: Approximately 3 square feet of assorted debris on top duct, cable tray & RWL pipe needs to be cleaned (near telephone box) Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing.

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 17** **Location Name: Stairwell** **Floor: Mezzanine** **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 | All | Vermiculite/concrete block walls | ALL | Preformed Block | A | N | 100 | (5) | | | | | % | 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.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 18** **Location Name: Generator Room** **Floor: Mezzanine** **Room #:** **Square ft: 300**

| 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 | All | Vermiculite/concrete block walls | ALL | Preformed Block | A | N | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Mechanical Equipment | Generator Exhaust | Metal Over Mag Block | System | N/A | C | Y | 40 | (7) | | | | | LF | S0006 | 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 #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 19** **Location Name: Pump Floor** **Floor: Lower Level** **Room #:** **Square ft: 5400**

| 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 | ALL | Preformed Block | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Wall | All | Vermiculite/concrete block walls | ALL | Preformed Block | A | N | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Piping | Domestic Water (Hot & Cold) | Parging over Fibreglass | Fitting | Canvas | C | Y | 35 | (7) | | [6] | | | EA | V0002 | Confirmed Asbestos | Friable |
| Duct | Exhaust | Metal Over Mag Block | System | N/A | C | Y | 24 | (7) | | | | | LF | V0006 | Confirmed Asbestos | Friable |
| Duct | Fresh Air Intake | Fibreglass w/Parging | Surface | Canvas | C | Y | 24 | (7) | | | | | SF | V0002 | Confirmed Asbestos | Friable |

Note: O = Phone Booth ACM insulation in jacket water cooling system were abated and pipes replaced with new one. Masonry walls suspect to contain asbestos containing vermiculite insulation. Grout (masonry mortar/cement/plaster) on cinder block walls/floor tiles is presumed asbestos containing.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 20** **Location Name: Maintenance Room** **Floor: Lower Level** **Room #:** **Square ft: 600**

| 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 | C | Y | 10 | (7) | | | | | EA | V0002 | Confirmed Asbestos | Friable |

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 21** **Location Name: Valve Room** **Floor: Lower Level** **Room #:** **Square ft: 3600**

| 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 | C | Y | 140 | (7) | 3 | [6] | | | EA | V0002 | Confirmed Asbestos | Friable |

Note: June 5 2018, July 2019 - 2 damage fittings in the north part of valve room 2nd door July 2 2019 - 1 damage fitting in South part of valve room (last door)

**Building #:** **Building Name: MacLean Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-04**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 22** **Location Name: MacLean Pump Station Building Exterior** **Floor: NA** **Room #:** **Square ft:**

| 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 | Caulking | | | A | Y | 100 | (7) | | | | | % | S0011 | 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. Roof sections needs to be inspected/tested prior to any renovation or demolition activities. Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# 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


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

**Client:** City of Winnipeg Water and Waste Dept **Site:** Deacon Booster Pumping Station

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 1** **Location Name: Lobby** **Floor: Main** **Room #:** **Square ft: 256**

| 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 |

Note: Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 2** **Location Name: Stairwell** **Floor: Main** **Room #:** **Square ft: 96**

| 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 |

Note: Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 3** **Location Name: Mens Washroom** **Floor: Main** **Room #:** **Square ft: 96**

| 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 |
| Wall | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

Note: Grout (masonry mortar/cement/plaster) on ceramic walls/floor tiles is presumed asbestos containing.



Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

**Date:** 19/12/19 13:31:26

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 4** **Location Name: Womens Washroom** **Floor: Main** **Room #:** **Square ft: 128**

| 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 |
| Wall | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

Note: Grout (masonry mortar/cement/plaster) on ceramic walls/floor tiles is presumed asbestos containing.

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 5** **Location Name: Hallway** **Floor: Main** **Room #:** **Square ft: 32**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Wall | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |

Note: Grout (masonry mortar/cement/plaster) on ceramic wall tiles is presumed asbestos containing.

**Building #:** **Building Name: Deacon Booster Pumping Station Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 7** **Location Name: Storage Room** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 128**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | VAT and Mastic Adhesive | Surface | N/A | A | Y | 128 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Other | | Fibrous Fireproofing w/Parging | Surface | | C | Y | 2 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |

Note: Fibrous fireproofing with parging in Wall around pipe is at North wall


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 8** **Location Name: Stairwell Hallway** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 210**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | VAT and Mastic Adhesive | Surface | N/A | A | Y | 210 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Other | | Fibrous Fireproofing w/Parging | Surface | | C | Y | 2 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |

Note: Fibrous fireproofing with parging in Wall around pipe is at West and South wall

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 9** **Location Name: Stairwell** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 192**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Other | | Fibreglass w/Parging | Surface | | C | Y | 2 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |

Note: Fibrous fireproofing with parging in Wall around pipe is at East and West wall

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 10** **Location Name: Mechanical Room** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 200**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | | VAT and Mastic Adhesive | Surface | N/A | A | Y | 200 | (7) | | [6] | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Other | | Fibreglass w/Parging | Surface | | C | Y | 2 | (7) | | | | | SF | V0005 | Confirmed Asbestos | Friable |

Note: Fibrous fireproofing with parging in Wall around pipe is at North and South wall


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 11** **Location Name: Control Room** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 450**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | | VAT and Mastic Adhesive | Surface | VAT and Mastic Adhesive | A | N | 408 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: Old VAT were covered with new VAT

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 13** **Location Name: Hallway** **Floor: Control Room (Basement 3)** **Room #:** **Square ft: 100**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | | VAT and Mastic Adhesive | Surface | VAT and Mastic Adhesive | A | N | 100 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Other | | Fibreglass w/Parging | Surface | | C | Y | 1 | (7) | 1 | (6) | | | SF | S0005 | Confirmed Asbestos | Friable |

Note: Old VAT were covered with new VAT, Parging Cement in Wall is at East and South wall Fibrous fireproofing with parging in Wall around pipe

**Building #:** **Building Name: Deacon Booster Pumping Station** **Surveyor: Jason Combe** **Survey Date: 2006-05-08**
**Reassessment Date:2019-07-03** **Reassessment Surveyor: Lambert Cruz**
**Location #: 20** **Location Name: Deacon Booster Pumping Station Building Exterior** **Floor: NA** **Room #:** **Square ft:**

| 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 | Insulation | N/A | A | Y | 80 | (7) | | | | | SF | S0007 | Confirmed Asbestos | Non-Friable |

Note: Roof sections needs to be tested prior to any renovation or demolition activities. Roof sections needs to be tested prior to any renovation or demolition activities. Grout (masonry mortar/cement/plaster) on clay tiles is presumed asbestos containing.


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

# 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


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Foremans Residence** **Surveyor: JYC** **Survey Date: 2008-04-14**

**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**

**Location #: 1** **Location Name: Foreman's Residence** **Floor: Main** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Ceiling | | Drywall | | | C | | 100 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |
| Wall | | Drywall | | | A | | 99 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |

Note: Roof sections needs to be tested prior to any renovation or demolition activities. One sample collected from the damaged drywall joint compound by the wall in the hallway was tested to be negative.



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**Date:** 19/12/19 13:31:36

**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# 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



Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016

**Date:** 19/12/19 13:31:36

**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Lakeview Residence** **Surveyor: JYC** **Survey Date: 2008-04-14**

**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**

**Location #: 1** **Location Name: Residence** **Floor: Main** **Room #:** **Square ft:**

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

Note: Roof sections needs to be tested prior to any renovation or demolition activities.



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# 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


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**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Intake (Operator) Residence** **Surveyor: JYC** **Survey Date: 2008-04-14**
**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**
**Location #: 1** **Location Name: Intake Residence** **Floor: Main** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Ceiling | | Drywall | | | C | | 100 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |
| Wall | Exterior | Plaster | Exterior | Paint | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Wall | | Drywall | | | A | | 100 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |

Note: 009 V0002 Sampled in Lakeview Residence Roof sections needs to be tested prior to any renovation or demolition activities.

**Building #:** **Building Name: Intake (Operator) Residence** **Surveyor: JYC** **Survey Date: 2008-04-14**
**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**
**Location #: 2** **Location Name: Basement** **Floor: Basement** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Wall | | Drywall | | | A | | 100 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |



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# 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


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**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Staff House Building** **Surveyor: JYC** **Survey Date: 2008-04-14**

**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**

**Location #: 1** **Location Name: Staff House** **Floor: Main** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Ceiling | | Drywall | | | C | | | | | | | | % | V9500 | [Presumed Asbestos] | Friable |
| Wall | All | Plaster | Surface | Quarry tile | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Wall | | Drywall | | | C | | 100 | | | | | | % | V9500 | [Presumed Asbestos] | Friable |
| Wall | | Transite | Exterior | Paint | A | Y | 4800 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

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



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# 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


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**Client:** City of Winnipeg Water and Waste Dept **Site:** Shoal Lake

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: Storage Shed** **Surveyor: JYC** **Survey Date: 2008-04-14**

**Reassessment Date:2019-07-05** **Reassessment Surveyor: Lambert Cruz**

**Location #: 1** **Location Name: Storage Shed** **Floor: Main** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Wall | | Transite | Exterior | Paint | A | Y | 1200 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: Roof sections needs to be tested prior to any renovation or demolition activities.



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# 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


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**Client:** City of Winnipeg Water and Waste Dept **Site:** W.D. Hurst Pumping Station

**Building Number(s):**

# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 1** **Location Name: Main Building - Vestibule** **Floor: Main-Main Building** **Room #:** **Square ft: 96**

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

Note: Floor tiles are presumed asbestos containing. KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 4** **Location Name: Main Building - Walkway** **Floor: Main-Main Building** **Room #:** **Square ft: 1500**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | Adhesive/mastic | Surface | Ceramic Tiles | B | N | 100 | (7) | | | | | % | V9500 | Presumed Asbestos | Non-Friable |
| Floor | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Ceiling | | Transite | Surface | N/A | C | Y | 1497 | (7) | 1 | [6] | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: Floor tiles are presumed asbestos containing. Damaged transite cement ceiling finish present. KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 5** **Location Name: Main Building - Landing/Loading Area** **Floor: Main-Main Building** **Room #:** **Square ft: 750**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Ceiling | | Transite | Surface | N/A | C | Y | 746 | (7) | 4 | [6] | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Wall | | Transite | Surface | N/A | C | Y | 99 | (7) | 1 | [6] | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Wall | | Transite | Surface | N/A | C | Y | 55 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |
| Other | All | Transite | Debris | N/A | A | Y | | | | | 8 | (3) | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: July 2019 - 8 asbestos cement ceiling tiles have been placed on the floor. Damaged transite cement wall and ceiling finish present KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 6** **Location Name: Main Building - Walkway** **Floor: Main-Main Building** **Room #:** **Square ft: 120**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | Adhesive/mastic | Surface | Ceramic Tiles | A | N | 100 | (7) | | | | | % | V9500 | Presumed Asbestos | Non-Friable |
| Floor | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Ceiling | | Transite | Surface | N/A | C | Y | 117 | (7) | 3 | [6] | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: 3 SF of damaged transite ceiling finish present KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 10** **Location Name: Main Building - Pump Room** **Floor: Basement-Main Building** **Room #:** **Square ft: 7700**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | Adhesive/mastic | Surface | Ceramic Tiles | A | N | 100 | (7) | | | | | % | V9500 | Presumed Asbestos | Non-Friable |
| Floor | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Ceiling | | Transite | Surface | N/A | C | Y | 5328 | (7) | 2 | [6] | | | SF | S0006 | Confirmed Asbestos | Non-Friable |
| Wall | | Transite | Surface | N/A | B | Y | 16 | (7) | | | | | SF | V0006 | Confirmed Asbestos | Non-Friable |
| Duct | Generator Exhaust | Metal Over Mag Block | System | | C | Y | 30 | | | | | | LF | S0003 | [Presumed Asbestos] | Non-Friable |

Note: O = Phone Booth July 2019 - 2 SF of damaged transite ceiling finish present Magnesia Block on generator exhaust duct is pressumed asbestos containing still until 3 samples had been completed. KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 11** **Location Name: Main Building - Custodian Closet** **Floor: Basement-Main Building** **Room #:** **Square ft: 32**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | Adhesive/mastic | Surface | Ceramic Tiles | A | N | 100 | (7) | | | | | % | V9500 | Presumed Asbestos | Non-Friable |
| Floor | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Ceiling | | Transite | Surface | N/A | C | Y | 20 | (7) | | | 1 | [3] | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: Floor tiles are presumed asbestos containing. July 2019 - 1 SF of damaged transite ceiling finish present KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 12** **Location Name: Main Building - Washroom** **Floor: Basement-Main Building** **Room #:** **Square ft: 32**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Floor | All | Adhesive/mastic | Surface | Ceramic Tiles | A | N | 100 | (7) | | | | | % | V9500 | Presumed Asbestos | Non-Friable |
| Floor | All | Plaster | Surface | Ceramic Tiles | A | Y | 100 | (5) | | | | | % | V9500 | Presumed Asbestos | Friable |
| Ceiling | | Transite | Surface | N/A | C | Y | 32 | (7) | | | | | SF | V9000 | Confirmed Asbestos | Non-Friable |

Note: KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar was also sampled and determined to be non ACM.

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 17** **Location Name: North Resevoir Building** **Floor: Main-North Resevoir Building** **Room #:** **Square ft: 300**

| 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. Roof sections needs to be tested prior to any renovation or demolition activities.


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# Confirmed Asbestos and Presumed Asbestos Report

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 18** **Location Name: B Pit Building** **Floor: Main-B Pit 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. Roof sections needs to be tested prior to any renovation or demolition activities.

**Building #:** **Building Name: W.D. Hurst Pumping Station** **Surveyor: Jason Combes** **Survey Date: 2006-05-03**
**Reassessment Date:2019-07-02** **Reassessment Surveyor: Lambert Cruz**
**Location #: 19** **Location Name: Hurst Pump Station Main Building Exterior** **Floor: NA** **Room #:** **Square ft:**

| System | Component | Material | Item | Covering | Access | Visible | Condition, Quantity & Action | | | | | | Units | Sample | Hazard | Friability |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Good | | Fair | | Poor | | | | | |
| Wall | Window Liner | Caulking | Exterior | N/A | A | Y | 100 | (7) | | | | | % | S0010 | Confirmed Asbestos | Non-Friable |

Note: KGS Group determined the walls do not contain vermiculite as per their report dated October 29, 2019. Brick mortar and roofing materials were also sampled and determined to be non ACM. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing. Grout (masonry mortar/cement/plaster) on cinder block walls is presumed asbestos containing. Roof sections needs to be tested prior to any renovation or demolition activities.


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# 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


Quantities shown above are based on visual approximations only and may be subject to variation. Copyright © Pinchin Ltd. 1992-2016