

# **CITY OF SASKATOON**

# Asbestos-Containing Building Materials Assessment Report -Waste Water Treatment Plant Administration Building



#### Submitted to:

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

Report Number: 1667963

Distribution:

One Copy: City of Saskatoon One Copy: Golder Associates Ltd.







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## 1.0 INTRODUCTION

Golder Associates Ltd. (Golder) was retained by the City of Saskatoon (the Client) to conduct an asbestos-containing building materials assessment of the Waste Water Treatment Plant Administration Building (the Site) located in Saskatoon, Saskatchewan. This assessment report details our findings, conclusions and recommendations for the Site. A walkthrough of the Site was conducted on June 22, 2017, by Kody Henderson, OHS Project Manager, and the assessment was conducted on October 13 and 14, 2017 by Scott Bishop, Junior Occupational Hygienist. Asbestos-containing building materials were identified within the Administration Building during the assessment. Further information is provided in Section 3.0.

### 2.0 SCOPE OF WORK

In accordance with Tender 16-0844, Golder's scope of work included conducting an asbestos-containing building materials assessment of the Site to evaluate the quantities, locations, and conditions of asbestos-containing building materials.

Following the field work, Golder prepared this assessment report that includes laboratory analysis results, findings of the assessment, conclusions, and recommendations.

# 2.1 Asbestos-Containing Materials

The assessment involved a non-destructive inspection of the Site to assess the type and extent of suspect ACMs in the facility. The systems that were reviewed as part of the inspections included, but were not limited to:

- Structural systems including: insulation between solid webbed joists, fireproofing, building envelope, and interior/exterior caulking around windows and doors;
- Mechanical systems insulation including: hot water and steam system, condensate system, chilled water system, glycol system, domestic hot and cold water, emergency generator exhaust, boiler units, heat exchangers, and asbestos cement piping; and
- Architectural systems including: texture coats, sheet flooring, vinyl floor tile, acoustical spray-applied
  materials, condensation control applications, ceiling tile, wall board, drywall joint compound, and asbestos
  sheet products.

Systematic sampling of suspect ACMs was conducted as part of the assessment. Samples were submitted under chain of custody to International Asbestos Testing Laboratory Inc. (IATL) and analyzed for asbestos type and percentage content using Polarized Light Microscopy (PLM) in accordance with EPA methodologies (EPA 600/R-93/116).

Further information related to the assessment and sample collection methods can be found in the Golder document *Golder Asbestos Assessment General Survey Plan and Protocol* provided to the Client.





## 3.0 RESULTS AND DISCUSSION

The Waste Water Treatment Plant Administration Building consists of several offices, lunch rooms, change rooms, washrooms, work rooms and mechanical rooms. The Administration Building was constructed in 1971 with a 2015 addition. During the assessment, the building was treated as three functional spaces: the basement, the original construction on the main floor, and the 2015 addition on the main floor.

- The Laboratory Certificate of Analysis report for the bulk asbestos samples is included in Appendix A.
- Photographs collected during the assessment are provided in Appendix B.
- A room by room spreadsheet outlining the locations, quantities, friability, and condition of identified asbestoscontaining materials as well as additional information is provided in Appendix C.
- Floor plans outlining the sample locations and locations of identified asbestos-containing materials are provided in Appendix D.
- Please refer to Sections 4.0 and 6.0 of this report for a summary of the limitations encountered.

# 3.1 Asbestos-Containing Materials

A total of eighty-six (86) samples of building materials were collected and tested for asbestos content during the assessment of the Waste Water Treatment Plant Administration Building. One (1) of the samples was found to contain asbestos.

Potential asbestos-containing materials and components may be located within the electrical panels and fire doors on Site.

# 3.1.1 List of Identified Asbestos-Containing Materials

A list of the identified asbestos-containing materials is provided below.

Grey and black window caulking.

Further information on the identified asbestos-containing materials listed is provided below.

### Grey and Black Window Caulking

One (1) sample of grey window caulking was collected during the assessment. The sample collected was found to contain 10% Chrysotile asbestos. A layer of black window caulking was found on the sample and found to contain 5.1% Chrysotile asbestos. Asbestos-containing window caulking (see Photograph 1 in Appendix B) was observed in the following locations:

- Room 102.1 (70 linear ft.) on window panes;
- Room 106 (20 linear ft.) on window panes; and
- Room 129.1 (70 linear ft.) on window panes.





# 3.1.2 Non Asbestos-Containing Materials

The following materials were sampled during this assessment and were found to not contain asbestos or were observed to be non-suspect materials:

- Pipe-fitting insulation;
- Brown mastic pucks;
- 1' x 1' ceiling tiles with pinholes;
- Grey duct mastic;
- Brown duct mastic;
- Grey building caulking;
- Dark brown window caulking;
- Grey spray-applied insulation;
- Red firestop;
- Parging firestop material;
- Concrete floor coating;
- Boiler rope gasket;
- Beige, grey and white vinyl sheet flooring;
- Drywall joint compound;
- Grey and white vinyl sheet flooring;
- Grey stair tread material;
- Grey and white smeared vinyl sheet flooring;
- 2' x 2' ceiling tiles with random fissures;
- Grey expansion joint caulking;
- Light brown duct mastic;
- Brown duct mastic;
- Black window caulking;
- Grey vinyl floor tiles;
- Brown and tan stair trim;
- White sink undercoating;
- Concrete ceiling texture;





- Exterior dark brown window caulking;
- Exterior black window caulking;
- Brick mortar;
- Exterior grey caulking;
- Exterior black window caulking; and
- Exterior grey firestop putty.

Where applicable, materials were sampled to delineate between each functional space.

### 4.0 EXCLUDED AREAS AND MATERIALS

The following is a list of the areas and/or materials excluded during the assessment.

- Building materials accessible by a ten foot ladder were assessed by Golder during the assessment. Materials located at heights that were inaccessible from a ten foot ladder were not assessed. If materials at heights are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.
- The roof and associated components were not assessed by Golder during the assessment as per Tender 16-0844. If the roof and associated components are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.
- The electrical panels and associated components were not inspected by Golder during the assessment. If the panels are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.
- The fire doors were not assessed by Golder during the assessment. If the fire doors are to be removed or impacted by future renovation or demolition activities, additional coring, investigation and sampling of suspect materials may be required.

# 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the visual assessment and the laboratory analytical results, the following project specific conclusions and recommendations are provided.

# 5.1 Asbestos-Containing Materials

Asbestos was positively identified within grey and black window caulking on Site. Asbestos was not identified in the remaining samples collected and analyzed.

If the building is scheduled for renovations that will impact the identified asbestos-containing materials, it must be removed. If additional suspect asbestos-containing building materials are encountered during renovation activities, additional sampling should be undertaken to evaluate asbestos content.





Removal work should be completed by workers that are adequately trained in the hazards and proper methods of working with asbestos. Throughout the abatement activities, appropriate air monitoring and inspections should be conducted by a competent person to document that contamination is contained and that ACM are disposed of appropriately. Ensure asbestos waste is disposed of in accordance with the requirements of the Government of Saskatchewan.

All quantities listed in the report are approximate and are based on the conditions at the time of the assessment. Prior to abatement work it is recommended that a competent person conduct a review of the site to quantify and obtain all measurements of all building materials detailed in this report for cost estimating purposes.

In anticipation of potential abatement, Golder's recommendations for the asbestos-containing materials identified during the assessment are outlined below.

### Grey and Black Window Caulking

If scheduled for impact, asbestos-containing window caulking should be abated following low-risk abatement work procedures as outlined in the *Saskatchewan Asbestos Abatement Manual* (2017). Alternatively, as the caulking was observed in good condition, and with a priority rating of 5 (please see the room by room spreadsheet provided in Appendix C for a description of the priority ratings), the glazing can be managed in place if not scheduled for impact.

# 6.0 SURVEY LIMITATIONS

This report is based on data and information collected by Golder during the assessment conducted on October 13 and 14, 2017 and is based solely on site conditions encountered at the time of the assessment. Any use of this document or the findings, conclusions or recommendations provided in this report by any person other than the City of Saskatoon is at the sole risk of such user.

The conclusions and recommendations contained in this survey report are based upon professional opinions with regard to the subject matter. These opinions are in accordance with currently accepted environmental assessment standards and practices applicable to these locations and are subject to the following inherent limitations:

The data and findings presented in this report are valid as of the dates of the investigations. The passage of time, manifestation of latent conditions or occurrence of future events may warrant further exploration at the properties, analysis of the data, and re-evaluation of the findings, observations, and conclusions expressed in this report. No assurance is made regarding changes in conditions or practices subsequent to the time of the investigation. It was beyond the scope of this assessment to conduct a risk assessment and the potential health risks that may be associated with asbestos exposure for building occupants.

The data reported and the findings, observations and conclusions expressed in this report are limited by the Scope of Work. The Scope of Work was defined by Tender 16-0844 and the initial site walkthrough with the Client, the time and budgetary constraints imposed by the Client, and availability of access to the property.

Because of the limitations stated above, the findings, observations and conclusions expressed by Golder in this report are not, and must not be, considered an opinion concerning compliance of any past or present owner or operator of the site with any federal, provincial or local laws or regulations.

No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon site conditions in existence at the time of investigation.





Golder's assessment reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, provincial, or local governmental agencies. Any use of the survey report constitutes acceptance of the limits of Golder's liability.

Golder's liability extends only to its client and not to other parties who may obtain this survey report. Issues raised by the report must be reviewed by appropriate legal counsel.

# 7.0 CLOSURE

We trust the information presented in this report meets your requirements. If you have any questions, please contact Kody Henderson at (780) 483-3499 or email at <a href="mailto:kody henderson@golder.com">kody henderson@golder.com</a>. Thank you for the opportunity to be of service. We look forward to working with you again in the future.





# **Report Signature Page**

**GOLDER ASSOCIATES LTD.** 

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# **APPENDIX A**

**Laboratory Certificate of Analysis Report** 





Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369437 **Description:** Grey Insulation Location: Room B20

Facility: Client No.: A-001

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Fibrous Glass None Detected

**Lab No.:** 6369438 **Description:** White Insulation **Location:** Room B20

Client No.: A-002 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Cellulose None Detected

5 Fibrous Glass

**Lab No.:** 6369439 **Description:** Grey Insulation **Location:** Room B20

Client No.: A-003 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Fibrous Glass None Detected

Lab No.: 6369440 **Description:** Brown Mastic **Location:** Room B15

Client No.: A-004 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** White Ceiling Tile; 1x1 **Lab No.:** 6369441 **Location:** Room B15

Client No.: A-005 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

40 Cellulose None Detected

40 Fibrous Glass

**Description:** White Ceiling Tile; 1x1 **Lab No.:** 6369442 **Location:** Room B15

**Facility:** Client No.: A-006

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

40 Cellulose None Detected

40 Fibrous Glass

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature:

Tiffany Lowe Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 10/30/2017 5:40:55 Page 1 of 22



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Rev #2, 10/30/2017

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date:

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

Project No.: 1667963

10/29/2017

Client: GOL572

# PLM BULK SAMPLE ANALYSIS SUMMARY

Client No.: A-007 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 40 Cellulose

40 Fibrous Glass

Lab No.: 6369444 Description: Grey Mastic Location: Room B15

Client No.: A-008 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369445 Description: Brown Mastic Location: Room B15

Client No.: A-009 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Client No.: A-010 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369447 Description: Dk Brown Caulk Location: Room 147

Client No.: A-011 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369448 Description: Grey Spray-On Fireproofing Location: Room 146

Client No.: A-012 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 30 Cellulose 7

Trace Fibrous Glass

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/18/2017

Date Analyzed: 10/29/2017

Dated: 10/30/2017 5:40:55

Signature:

Analyst: Tiffany Lowe

Approved By:

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Report No.: 550058 - PLM

Rev #2, 10/30/2017 Administration And Maintenance Bldg

Project No.: 1667963

Project:

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369449 **Description:** Grey Spray-On Fireproofing **Location:** Room 145

**Facility:** Client No.: A-013

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 30 Cellulose

Trace Fibrous Glass

**Lab No.:** 6369450 **Description:** Grey Spray-On Fireproofing **Location:** Room 144

Client No.: A-014 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Cellulose None Detected

Trace Fibrous Glass

**Lab No.:** 6369451 **Description:** Grey Insulation Location: Room 143

Client No.: A-015 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Fibrous Glass None Detected

Lab No.: 6369452 **Description:** Red Firestop **Location:** Room 143

Client No.: A-016 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

10 Fibrous Glass None Detected

**Lab No.:** 6369453 **Description:** Grey Insulation **Location:** Room 143

Client No.: A-017 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Fibrous Glass None Detected

**Lab No.:** 6369454 **Description:** Brown Concrete **Location:** Room 157

**Facility:** Client No.: A-018

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature:

Tiffany Lowe Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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16820 107 Ave

Edmonton AB T5P 4C3

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Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369455 **Description:** White Gasket **Location:** Room 157

**Facility:** Client No.: A-019

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

95 Fibrous Glass None Detected

**Description:** Grey Insulation **Lab No.:** 6369456 **Location:** Room 157

Client No.: A-020 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

30 Fibrous Glass None Detected

**Lab No.:** 6369457 **Description:** Brown Concrete **Location:** Room 157

**Facility:** Client No.: A-021

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369457(L2) **Description:** Grey Concrete Location: Room 157

Client No.: A-021 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Brown Concrete Location: Room 157 **Lab No.:** 6369458

Client No.: A-022 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369459 **Description:** Brown Concrete Location: Room 155

Client No.: A-023 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

Dated: 10/30/2017 5:40:55

10/29/2017 Date Analyzed:

Signature: Tiffany Lowe

Analyst:

Approved By:

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16820 107 Ave

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Report Date: 10/29/2017

Report No.: 550058 - PLM

Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369460 Description: Brown Concrete Location: Room ST-3

Client No.: A-024 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 10

**Lab No.:** 6369461 **Description:** Beige Vinyl Sheet Flooring **Location:** Room 159

Client No.: A-025 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 20 Synthetic 8

**Lab No.:** 6369461(L2) **Description:** Tan Mastic **Location:** Room 159

Client No.: A-025 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 10

Lab No.: 6369461(L3) Description: Grey Leveling Compound Location: Room 159

Client No.: A-025 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Client No.: A-026 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 3 Cellulose 9

1 Fibrous Glass

**Lab No.:** 6369463 **Description:** White Joint Compound **Location:** Lab-Instrument Room

Client No.: A-027 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/18/2017

Date Analyzed: 10/29/2017

Signature: Tilfany Cow

Analyst: Tiffany Lowe

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16820 107 Ave

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Edmonton AB

T5P 4C3

Report Date: 10/29/2017 Report No.:

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Rev #2, 10/30/2017

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Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369464 **Description:** White Joint Compound **Location:** Room 113

**Facility:** Client No.: A-028

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** White Joint Compound **Lab No.:** 6369465 **Location:** Room 136

Client No.: A-029 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369466 **Description:** Tan Caulk Location: Room 161

**Facility:** Client No.: A-030

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369467 **Description:** White Joint Compound **Location:** Room 160

Client No.: A-031 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369467(L2) **Description:** Yellow Mastic Location: Room 160

Client No.: A-031 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369468 **Description:** Grey Vinyl Sheet Flooring Location: Room ST-4

Client No.: A-032 **Facility:** 

Percent Non-Fibrous Material: Percent Asbestos: Percent Non-Asbestos Fibrous Material:

10 Cellulose None Detected

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10 Synthetic

5 Fibrous Glass

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Dated: 10/30/2017 5:40:55

Signature: Tiffany Lowe Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



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# PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6369468(L2) **Description:** Yellow Mastic Location: Room ST-4

Facility: Client No.: A-032

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

**Lab No.:** 6369468(L3) **Description:** White Leveling Compound **Location:** Room ST-4

Client No.: A-032 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369469 **Description:** Grey Stair Tread **Location:** Room ST-4

**Facility:** Client No.: A-033

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369470 **Description:** Grey Floor Tile **Location:** Room ST-4

Facility: Client No.: A-034

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369470(L2) **Description:** Yellow Mastic **Location:** Room ST-4

Client No.: A-034 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369471 **Description:** White Ceiling Tile; 2x2 Location: Room ST-4

Client No.: A-035 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

90 Cellulose None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received: 10/29/2017 Date Analyzed:

Signature: Analyst:

Tiffany Lowe

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

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# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369472 **Description:** White Ceiling Tile; 2x2 **Location:** Room ST-4

**Facility:** Client No.: A-036

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

90 Cellulose None Detected

**Description:** White Ceiling Tile; 2x2 **Lab No.:** 6369473 **Location:** Room ST-4

Client No.: A-037 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

90 Cellulose None Detected

Lab No.: 6369474 **Description:** Grey Caulk **Location:** Room 144

**Facility:** Client No.: A-038

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369475 **Description:** Grey Mastic Location: Room 145

Client No.: A-039 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Grey Insulation Location: Room 149 **Lab No.:** 6369476

Client No.: A-040 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369477 **Description:** Grey Caulk Location: Room 129

Client No.: A-041 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature:

Tiffany Lowe Analyst:

Dated: 10/30/2017 5:40:55

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Rev #2, 10/30/2017

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

> Project No.: 1667963

10/29/2017

Report Date:

Client: GOL572

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369478 **Description:** White Sheetrock/Joint Compound Location: Room 129; Composite

**Facility:** Client No.: A-042

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

Trace Cellulose None Detected

Trace Fibrous Glass

**Lab No.:** 6369479 **Description:** Black Glazing **Location:** Room 133

Client No.: A-043 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369480 **Description:** Grey Sink Undercoating **Location:** Room 130

Client No.: A-044 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

5 Cellulose None Detected

Lab No.: 6369481 **Description:** White Joint Compound Location: Room 130

Client No.: A-045 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Location: Room 130 **Lab No.:** 6369481(L2) **Description:** Yellow Mastic

Client No.: A-045 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369482 **Description:** White Joint Compound **Location:** Room 128

Client No.: A-046 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

Dated: 10/30/2017 5:40:55

10/29/2017 Date Analyzed:

Signature: Tiffany Lowe Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 9 of 22



Email: customerservice@iatl.com

Rev #2, 10/30/2017

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM

**Location:** Room 102.1

Administration And Maintenance Bldg

Project No.: 1667963

Project:

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369483 **Description:** Grey Glazing

**Facility:** Client No.: A-047

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected **10** Chrysotile

**Lab No.:** 6369483(L2) **Description:** Black Glazing Location: Room 102.1

Client No.: A-047 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected **PC 5.1** Chrysotile

Lab No.: 6369484 **Description:** White Joint Compound Location: Room 101

**Facility:** Client No.: A-048

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369484(L2) **Description:** Yellow Mastic Location: Room 101

Client No.: A-048 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369484(L3) **Description:** Clear Caulk Location: Room 101

Client No.: A-048 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369485 **Description:** Grey Mastic Location: Room 103

Client No.: A-049 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature: Analyst:

Tiffany Lowe

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 10/30/2017 5:40:55 Page 10 of 22



#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Editionton 71B 131 Te

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM

Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369486Description: Lt Brown MasticLocation: Room 109

Client No.: A-050 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 10

**Lab No.:** 6369487 **Description:** Brown Mastic **Location:** Room 115

Client No.: A-051 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369488 Description: Black Glazing Location: Room 116

Client No.: A-052 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Client No.: A-053 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

**Lab No.:** 6369489(L2) **Description:** Yellow Mastic **Location:** Room 117

Client No.: A-053 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369490 Description: White Joint Compound Location: Room 124

Client No.: A-054 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/18/2017

Date Analyzed: 10/29/2017

Signature:

Analyst: Tiffany Lowe

Fran

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 10/30/2017 5:40:55 Page 11 of 22



Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB

T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369491 **Description:** Grey Floor Tile **Location:** Room ST-1

**Facility:** Client No.: A-055

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Dk Grey Rubber **Lab No.:** 6369492 **Location:** Room ST-1

Client No.: A-056 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369492(L2) **Description:** Clear Mastic Location: Room ST-1

Client No.: A-056 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369492(L3) **Description:** Grey Rubber **Location:** Room ST-1

Client No.: A-056 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

5 Synthetic None Detected

**Lab No.:** 6369492(L4) **Description:** Tan Mastic **Location:** Room ST-1

Client No.: A-056 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369493 **Description:** Grey Floor Tile Location: Lab- Instrument Room

Client No.: A-057 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received: 10/29/2017

Dated: 10/30/2017 5:40:56

Date Analyzed:

Signature: Tiffany Lowe Analyst:

Page 12 of 22

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 6369493(L2) **Description:** Yellow Mastic Location: Lab- Instrument Room

Client No.: A-057 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

**Lab No.:** 6369493(L3) **Description:** White Leveling Compound Location: Lab- Instrument Room

Facility: Client No.: A-057

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369494 **Description:** White/Tan Sink Undercoating Location: Lab- Instrument Room

**Facility:** Client No.: A-058

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369495 **Description:** Tan Concrete **Location:** Room ST-1.1

Client No.: A-059 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Tan Concrete **Location:** Room ST-1.1 **Lab No.:** 6369496

Client No.: A-060 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369497 **Description:** Tan Concrete Location: Room ST-1

Client No.: A-061 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature: Analyst:

Tiffany Lowe

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 10/30/2017 5:40:56 Page 13 of 22



REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

Client: GOL572

16820 107 Ave

Edmonton AB T5P 4C3

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369498 **Description:** White Ceiling Texture **Location:** Room ST-1.1

**Facility:** Client No.: A-062

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** White Ceiling Texture **Lab No.:** 6369499 **Location:** Room B07

Client No.: A-063 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369500 **Description:** White Ceiling Texture **Location:** Room B07

**Facility:** Client No.: A-064

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369501 **Description:** White Ceiling Texture **Location:** Room B08

Client No.: A-065 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** White Ceiling Texture Location: Room B08 **Lab No.:** 6369502

Client No.: A-066 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369503 **Description:** White Joint Compound Location: Lunch Room

Client No.: A-067 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

Dated: 10/30/2017 5:40:56

10/29/2017 Date Analyzed:

Signature: Analyst:

Tiffany Lowe

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Page 14 of 22



#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM

Location: Lunch Room

Frank E. Ehrenfeld, III

Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369503(L2) Description: Yellow Mastic Location: Lunch Room

Client No.: A-067 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Client No.: A-068 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 10

Lab No.: 6369504(L2) Description: Yellow Mastic Location: Lunch Room

Client No.: A-068 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

**Lab No.:** 6369505 **Description:** Beige Vinyl Sheet Flooring **Location:** Lunch Room

Client No.: A-069 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 10 Synthetic 8

10 Fibrous Glass

Lab No.: 6369505(L2) Description: Yellow Mastic Location: Lunch Room

Client No.: A-069 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 10

vone Detected

**Lab No.:** 6369505(L3) **Description:** Grey Leveling Compound

Client No.: A-069 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/18/2017

Date Analyzed: 10/29/2017

Dated: 10/30/2017 5:40:56

Date Analyzed: 10/29/2017

Signature:
Analyst:
Tiffany Lowe

Laboratory Director

Approved By:

Page 15 of 22



#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Editionion Ab 13P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM

Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Client No.: A-070 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369506(L2) **Description:** Yellow Mastic **Location:** Room 101

Client No.: A-070 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369507 Description: Dk Brown Caulk Location: Exterior

Client No.: A-071 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369508 Description: Black Glazing Location: Exterior

Client No.: A-072 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369509 Description: Grey Mortar Location: Exterior

Client No.: A-073 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Lab No.: 6369510 Description: Grey Caulk Location: Exterior

Client No.: A-074 Facility:

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 10/18/2017

Date Analyzed: 10/29/2017

Signature:
Analyst:
Tiffany Lowe

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 10/30/2017 5:40:56 Page 16 of 22



Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

Client: GOL572

16820 107 Ave

Edmonton AB T5P 4C3

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Project: Administration And Maintenance Bldg

Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369511 **Description:** Grey Mortar **Location:** Exterior

**Facility:** Client No.: A-075

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Grey Mortar **Lab No.:** 6369512 **Location:** Exterior

Client No.: A-076 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369513 **Description:** Grey Mortar **Location:** Exterior

**Facility:** Client No.: A-077

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369514 **Description:** Dk Brown Caulk Location: Exterior

Client No.: A-078 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369515 **Description:** Black Glazing Location: Exterior

Client No.: A-079 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369516 **Description:** Grey Caulk Location: Exterior

Client No.: A-080 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

10/29/2017 Date Analyzed:

Signature:

Tiffany Lowe Analyst:

Dated: 10/30/2017 5:40:56

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 17 of 22



Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 10/29/2017

Report No.: 550058 - PLM Rev #2, 10/30/2017

Administration And Maintenance Bldg

Project No.: 1667963

Project:

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369517 **Description:** Black Caulk **Location:** Exterior

**Facility:** Client No.: A-081

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Description:** Grey Mortar **Lab No.:** 6369518 **Location:** Exterior

Client No.: A-082 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369519 **Description:** Grey Mortar **Location:** Exterior

**Facility:** Client No.: A-083

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369520 **Description:** Grey Mortar **Location:** Exterior

Client No.: A-084 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

**Lab No.:** 6369520(L2) **Description:** Tan Mortar Location: Exterior

Client No.: A-084 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6369521 **Description:** Grey Putty Location: Exterior

Client No.: A-085 **Facility:** 

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected 100 None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

10/18/2017 Date Received:

Dated: 10/30/2017 5:40:56

10/29/2017 Date Analyzed:

Signature: Tiffany Lowe Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 18 of 22



Client: GOL572

9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

Rev #2, 10/30/2017

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 10/29/2017

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

> Project No.: 1667963

# PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6369522 **Description:** Dk Brown Caulk Location: Lunch Room

**Facility:** Client No.: A-086

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: Date Analyzed:

10/18/2017 10/29/2017

Signature:

Tiffany Lowe

Analyst:

Dated: 10/30/2017 5:40:56

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 19 of 22



Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 10/29/2017

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

Project No.: 1667963

Client: GOL572

# Appendix to Analytical Report

**Customer Contact:** 

Analysis: US EPA 600, R93-116

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: cdavis@iatl.com iATL Account Representative: Pete Lesniak Sample Login Notes: See Batch Sheet Attached Sample Matrix: Bulk Building Materials Exceptions Noted: See Following Pages

#### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

#### **Information Pertinent to this Report:**

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

#### Certifications:

- NIST-NVLAP No. 101165-0
- NY-DOH No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process) Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)>

Dated: 10/30/2017 5:40:56 Page 20 of 22



Email: customerservice@iatl.com

#### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 10/29/2017

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

Project No.: 1667963

Client: GOL572

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique - by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com**.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.

#### **Recommendations for Vermiculite Analysis:**

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1) Analytical Step/Method: Initial Screening by PLM, EPA 600R-93/116

**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% LOQ for most samples.

2) Analytical Step/Method: Wet Separation by PLM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

3) Analytical Step/Method: Wet Separation by PLM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4) Analytical Step/Method: Wet Separation by TEM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5) Analytical Step/Method: Wet Separation by TEM Gravimetric Technique, EPA R-04/004

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Email: customerservice@iatl.com

### REVISED CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 10/29/2017

16820 107 Ave Report No.: 550058 - PLM

Edmonton AB T5P 4C3 Project: Administration And Maintenance Bldg

Project No.: 1667963

Requirements/Comments: Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

LOQ, Limit of Quantitation estimates for mass and volume analyses.

\*With advance notice and confirmation by the laboratory.

Client: GOL572

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<sup>\*\*</sup>Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

# **APPENDIX B**

**Site Photographs** 





Photograph 1: Asbestos-Containing Grey and Black Window Caulking

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# **APPENDIX C**

Wastewater Treatment Plant Administration Building Room by Room Spreadsheet



#### Appendix C Waste Water Administration Building ACM Inventory

		T	Ī	1		1					1						T	1	1								
Included/ Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility Suspect	? Sampled?	Asbestos Containing	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
	_	Throughout		5					Material?	0 1	Non-suspect door was observed	.,,,,,		Duto	.,,,,								Diotal Balloo	710.1011			
Included	В	Floor	Open Area	Doors	Regular Doors	Non Suspect Doors	High No	No	No	Good	at the Site.																
Included	В	B01	Corridor/Stairwell	Doors	Suspect Fire Doors	Suspect Fire Doors	High Yes	No	Potential	Good	Not sampled as damage to the door would affect it's operational													Inspect and sample if scheduled for			
Included	В	B01	Corridor/Stairwell	Walls	Walls	Cinderblock	High No	No	No	Good	requirement.													removal.			
Included		B01	Corridor/Stairwell	Floor	Floor	Ceramic Tile	High No High No		No	Good			V 0 4 050 4 000														
Included	В	B01	Corridor/Stairwell	Floor	Floor	Concrete Coating	High No	Yes	No	Good		Bulk	V.S. A-059, A-060, A-061	13-Oct-17													
Included Included		B01 B01	Corridor/Stairwell Corridor/Stairwell	Ceiling Ceiling	Ceiling Ceiling	Concrete Texture	High No High No	No Yes	No No	Good Good		Bulk	A-062	13-Oct-17													
Included Included		B01 B01	Corridor/Stairwell Corridor/Stairwell	Mechanical Mechanical	Duct Work Duct Work	Brown Duct Mastic Grey Duct Mastic	High No High No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk		13-Oct-17 13-Oct-17													
Included	В	B01	Corridor/Stairwell	Mechanical	Piping	Metal Pipes	High No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included		B02	Vestibule	Walls	Walls	Cinderblock	High No	No	No	Good	and I vo mangs.																
Included Included	В	B02 B02	Vestibule Vestibule	Walls Floor	Walls Floor	Concrete Ceramic Tile	High No High No		No No	Good Good																	
Included	В	B02	Vestibule	Ceiling	Ceiling	Concrete	High No	No	No	Good			V.S. A-062, A-063,														
Included	В	B02	Vestibule	Ceiling	Ceiling	Texture	High No	Yes	No	Good		Bulk	A-064, A-065, A- 066	13-Oct-17													
Included	B B	B03 B03	Men's Locker Room Men's Locker Room	Walls Walls	Walls Walls	Cinderblock Concrete	High No	No	No No	Good Good																	
Included	В	B03	Men's Locker Room	Floor	Floor	Ceramic Tile	High No High No	No No	No	Good																	
Included	В	B03	Men's Locker Room	Ceiling	Ceiling	Concrete	High No	No	No	Good			V.S. A-062, A-063,														
Included	В	B03	Men's Locker Room	Ceiling	Ceiling	Texture	High No	Yes	No	Good		Bulk	A-064, A-065, A-	13-Oct-17													
Included	В	B03	Men's Locker Room	Mechanical	Duct Work	Grey Duct Mastic	High No	Yes	No	Good	Uninsulated ducting.	Bulk	000	13-Oct-17													
Included Included	B B	B04 B04	Men's Locker Room Men's Locker Room	Walls Walls	Walls Walls	Cinderblock Concrete	High No	No No	No No	Good Good																	
Included	В	B04	Men's Locker Room	Floor	Floor	Ceramic Tile	High No	No	No	Good																	
Included	В	B04	Men's Locker Room	Ceiling	Ceiling	Concrete	High No	No	No	Good	Uninquiote del directione	Dr.III.	V C A 000	12 0-1 17													
Included	B B	B04 B04	Men's Locker Room  Men's Locker Room	Mechanical Mechanical	Duct Work Piping	Grey Duct Mastic Metal Pipes	High No	Yes No	No No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk	V.S. A-008	13-Oct-17													
Included		B04.1	Janitor Closet	Walls	Walls	Cinderblock	High No		No	Good	and PVC fittings.																
Included Included	_	B04.1 B04.1	Janitor Closet Janitor Closet	Walls Floor	Walls Floor	Concrete Concrete	High No High No		No No	Good Good																	
Included Included	В	B04.1 B04.1	Janitor Closet	Ceiling Mechanical	Ceiling Duct Work	Concrete Grey Duct Mastic	High No	No	No	Good	Uninculated dusting	Bulk	V.S. A-008	13-Oct-17													
Included	В	B04.1	Janitor Closet  Janitor Closet	Mechanical	Piping	Metal Pipes	High No	Yes No	No No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Duik	V.S. A-006	13-001-17													
Included		B04.1	Janitor Closet	Miscellaneous	Caulking	Grey Caulking	High No	Yes	No	Good	and PVC fittings. Building caulking.	Bulk	A-010	13-Oct-17													
Included		B05 B05	Janitor Closet Janitor Closet	Walls Walls	Walls Walls	Cinderblock Concrete	High No High No	No No	No No	Good Good																	
Included		B05 B05	Janitor Closet	Floor Ceiling	Floor Ceilina	Ceramic Tile Concrete	High No High No	No No	No No	Good Good																	
Included	_	B05	Janitor Closet	Mechanical	Duct Work	Grey Duct Mastic	High No		No	Good	Uninsulated ducting.	Bulk	V.S. A-008	13-Oct-17													
Included	В	B05	Janitor Closet	Mechanical	Piping	Metal Pipes	High No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included Included	В	B06 B06	Men's Mudroom Men's Mudroom	Walls Walls	Walls Walls	Cinderblock Concrete	High No High No	No	No No	Good Good																	
Included Included	_	B06 B06	Men's Mudroom Men's Mudroom	Floor Ceiling	Floor Ceiling	Ceramic Tile Concrete	High No High No	No No	No No	Good Good																	
Included	В	B06	Men's Mudroom	Ceiling	Ceiling	Texture	High No	Yes	No	Good		Bulk	V.S. A-062, A-063, A-064, A-065, A-	13-Oct-17													
Included	-	B06	Men's Mudroom	Mechanical	Duct Work	Grey Duct Mastic			No		Uninsulated ducting.	Bulk	066	13-Oct-17													
Included	В	B07	Corridor	Walls	Walls	Cinderblock	High No High No	No	No	Good Good	Oninsulated ducting.	DUIK	V.S. A-006	13-001-17													
Included Included	В	B07 B07	Corridor Corridor	Floor Ceiling	Floor Ceiling	Ceramic Tile Concrete	High No High No	No No	No No	Good Good																	
Included Included		B07 B07	Corridor Corridor	Ceiling Mechanical	Ceiling Duct Work	Texture Grey Duct Mastic	High No High No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	A-063, A-064 V.S. A-008														
Included	В	B07	Corridor	Mechanical	Piping	Metal Pipes	High No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included Included			Janitor Closet Janitor Closet	Walls Floor	Walls Floor	Cinderblock Concrete	High No High No		No No	Good																	
Included Included	В	B09	Janitor Closet  Janitor Closet  Janitor Closet	Ceiling	Ceiling	Concrete Texture	High No	No		Good		D.III-	A-065, A-066	13 Oct 17													
Included			Janitor Closet  Janitor Closet	Ceiling Mechanical	Ceiling Duct Work	Grey Duct Mastic	High No High No		No No	Good	Uninsulated ducting.		V.S. A-008														
Included	В	B09	Janitor Closet	Mechanical	Piping	Metal Pipes	High No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included Included	В	B10 B10	Laundry Room Laundry Room	Walls	Walls Walls	Cinderblock Concrete	High No High No	No	No No	Good Good																	
Included Included	В	B10	Laundry Room Laundry Room	Floor Ceiling	Floor Ceiling	Ceramic Tile Concrete	High No High No	No	No No	Good Good																	
Included	В	B10	Laundry Room		Ceiling	Texture	High No	Yes	No	Good		Bulk	V.S. A-062, A-063, A-064, A-065, A-														
											Uninquiote del destina		066														
Included	В	B10 B10	Laundry Room Laundry Room	Mechanical Mechanical	Duct Work Piping	Grey Duct Mastic Metal Pipes	High No	Yes No	No No	Good Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk	V.S. A-008	13-UCT-1/													
Included	В	B11	Women's Mudroom	Walls	Walls	Cinderblock	High No	No	No	Good	and PVC fittings.																
Included Included			Women's Mudroom Women's Mudroom	Floor Ceiling	Floor Ceiling	Ceramic Tile Concrete	High No High No	No	No No	Good Good																	
Included	В	B11	Women's Mudroom	Mechanical	Duct Work	Grey Duct Mastic	High No	Yes	No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk	V.S. A-008	13-Oct-17													
Included	В	B11	Women's Mudroom	Mechanical	Piping	Metal Pipes	High No	No	No	Good	and PVC fittings.																
Included Included	В		Women's Washroom Women's Washroom	Walls Walls	Walls Walls	Cinderblock Concrete	High No High No	No	No No	Good Good																	
Included Included	В	B12	Women's Washroom Women's Washroom		Floor Ceiling	Ceramic Tile Concrete	High No High No	No No	No No	Good Good																	
Included			Women's Washroom	Mechanical	Duct Work	Grey Duct Mastic	High No	Yes		Good	Uninsulated ducting. Bare or insulated with fibreglass	Bulk	V.S. A-008	13-Oct-17													
Included	B	B12 B13	Women's Washroom  Women's Locker Room	Mechanical	Piping Walls	Metal Pipes Cinderblock	High No	No No	No No	Good	and PVC fittings.																
Included	В	B13	Women's Locker Room	Walls	Walls	Concrete	High No	No	No	Good																	
Included	В	B13	Women's Locker Room Women's Locker Room	Ceiling	Floor Ceiling	Ceramic Tile Concrete	High No High No	No	No No	Good Good																	
Included	В	B14	Women's Locker Room Storage	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Cinderblock	High No High No	Yes	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-008	13-Oct-17													
Included Included	В	B14	Storage Storage	Walls Floor	Walls Floor	Concrete Concrete	High No High No	No	No No	Good Good																	
Included	В	B14	Storage	Ceiling	Ceiling	Concrete	High No	No	No	Good																	
Included	В	B14	Storage	Mechanical	Duct Work	Grey Duct Mastic	High No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-008	13-Oct-17													

Included/	1									Asbestos		1 1	Sample		Sample	Asbestos								Potential for	Recommended			
Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Containing Material?	Condition	Field Notes	Туре	V.S. A-001, A-002,	Date	Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Disturbance	Action	Quantity	Photograph ID	Labelling Type
Included	B B	B14 B14	Storage Storage	Mechanical  Mechanical	Piping Piping	Insulation  Metal Pipes	High High	No No	Yes No	No No	Good	On pipe fittings.  Bare or insulated with fibreglass	Bulk	A-003	13-Oct-17													
Included	В	B14	Storage	Electrical	Electrical Panels and	Electrical Panels and Components	High	Yes	No	Potential	Good	and PVC fittings.  Not sampled due to safety concerns.													Inspect and sample if scheduled for			
Included	В			Walls	Components Walls	Cinderblock	High	No	No	No	Good														removal.			
Included	В	B15 B15	Mechanical Room  Mechanical Room	Walls Walls	Walls Walls	Brown Mastic Pucks 1' x 1' Ceiling Tiles	High High	No No	Yes Yes	No No	Good	With pinholes.	Bulk Bulk	A-004 A-005, A-006, A-	13-Oct-17 13-Oct-17													
Included	В	B15	Mechanical Room	Floor	Floor	Concrete	High	No	No	No	Good			007														
Included	В	B15 B15	Mechanical Room  Mechanical Room	Ceiling Mechanical	Ceiling Piping	Concrete Metal Pipes	High High	No No	No No	No No	Good	Bare or insulated with fibreglass																
Included Included	В		Mechanical Room Mechanical Room	Mechanical	Duct Work	Grey Duct Mastic Brown Duct Mastic	High	No No	Yes	No No	Good	and PVC fittings. Uninsulated ducting. Uninsulated ducting.	Bulk Bulk	A-008 A-009	13-Oct-17 13-Oct-17													
Included	В		Mechanical Room	Mechanical Electrical	Duct Work  Electrical Panels and Components	Electrical Panels and Components	High High	Yes	Yes No	Potential	Good	Not sampled due to safety concerns.	Bulk	A-009	13-001-17										Inspect and sample if scheduled for removal.			
Included	В	B15	Mechanical Room	Doors	Suspect Fire Doors	Suspect Fire Doors	High	Yes	No	Potential	Good	Not sampled as damage to the door would affect it's operational requirement.													Inspect and sample if scheduled for removal.			
Included Included	B B		Tunnel Tunnel	Walls Floor	Walls Floor	Concrete Concrete	High High	No No	No No	No No	Good Good																	
Included	В		Tunnel	Ceiling	Ceiling	Concrete	High	No	No	No	Good	0 : 50		V.S. A-001, A-002,	40.0 . 47													
Included	В	B17 B17	Tunnel Tunnel	Mechanical  Mechanical	Piping	Insulation  Metal Pipes	High	No No	Yes No	No No	Good	On pipe fittings.  Bare or insulated with fibreglass	Bulk	A-003	13-Oct-17													
Included	В		Tunnel	Doors	Suspect Fire Doors	Suspect Fire Doors	High High	Yes	No	Potential	Good	and PVC fittings.  Not sampled as damage to the door would affect it's operational requirement.													Inspect and sample if scheduled for removal.			
Included	В		Open Area	Walls	Walls	Concrete	High	No	No	No	Good	requirement.													TCHIOVAI.			
Included Included	B B		Open Area Open Area	Floor Ceiling	Floor Ceiling	Concrete Concrete	High High	No No	No No	No No	Good Good																	
Included	В	B20	Open Area	Mechanical	Piping	Insulation	High	No	Yes	No	Good	On pipe fittings.	Bulk	A-001, A-002, A- 003	13-Oct-17													
Included	В	B20	Open Area	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included	В		Open Area	Mechanical	Tank	Insulation	High	No	No	No	Good	Insulated with fibreglass, parging not found beneath.																
Included	В	B20	Open Area	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-008	13-Oct-17										I			
Included	В		Open Area	Doors Walls	Suspect Fire Doors Walls	Suspect Fire Doors  Concrete	High High	Yes No	No No	Potential No	Good	Not sampled as damage to the door would affect it's operational requirement.													Inspect and sample if scheduled for removal.			
Included Included	B B		Open Area Open Area	Walls Floor	Walls Floor	Cinderblock Concrete	High High	No No	No No	No No	Good																	
Included	В	B22	Open Area	Ceiling	Ceiling	Concrete	High	No	No	No	Good			V C A 004 A 000														
Included	В	B22	Open Area	Mechanical	Piping	Insulation	High	No	Yes	No	Good	On pipe fittings.	Bulk	V.S. A-001, A-002, A-003	13-Oct-17													
Included	В	B22	Open Area	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included	В		Open Area	Doors	Suspect Fire Doors	Suspect Fire Doors	High	Yes	No	Potential	Good	Not sampled as damage to the door would affect it's operational requirement.													Inspect and sample if scheduled for removal.			
Included	М	Throughout Floor	Open Area	Doors	Regular Doors	Non Suspect Doors	High	No	No	No	Good	Non-suspect door was observed at the Site.		V 0 A 040 A 040														
Included	М	100	Vestibule	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-042, A-046, A-048, A-070	13-Oct-17													
Included Included	M M	100 100	Vestibule Vestibule	Walls Floor	Walls Floor	Cinderblock Ceramic Tile	High High	No No	No No	No No	Good Good																	
Included	M	100	Vestibule Vestibule	Ceiling Ceiling	_	2' x 4' Ceiling Tile  Metal Q-Deck	High High	No No	No No	No No	Good	Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.																
Included	М	100	Vestibule	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included Included	M M	100 101	Vestibule Waiting Room	Miscellaneous Walls	Caulking Walls	Dark Brown Caulking Drywall	High High	No No	Yes Yes	No No	Good Good	On door frame.	Bulk Bulk		13-Oct-17 14-Oct-17													
Included Included	M M		Waiting Room Waiting Room	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included	M	101	Waiting Room Waiting Room	Ceiling Ceiling	Ceiling Ceiling Space	2' x 4' Ceiling Tile  Metal Q-Deck	High High	No No	No No	No No	Good	Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.																
Included	M	101	Waiting Room	Miscellaneous	Caulking	Dark Brown Caulking	High	No	Yes	No	Good	On door frame.	Bulk		14-Oct-17													
Included Included	M M	101	Waiting Room Waiting Room	Miscellaneous Miscellaneous	Caulking Caulking	Grey Caulking Beige Caulking	High High	No No	Yes Yes	No No	Good Good	Building caulking Building caulking.	Bulk Bulk															
Included	M M	101 102 and 102.1	Waiting Room Reception	Mechanical Walls	Duct Work Walls	Fibreglass Wrap  Drywall	High High	No No	No Yes	No No	Good Good		Bulk	V.S. A-042, A-046,	14-Oct-17													
Included		102 and 102.1		Walls	Walls	Cinderblock	High	No No	No	No	Good		Dulk	A-048, A-070	14-000-17													
Included		102 and 102.1		Walls	Walls	Brick	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083,	14-Oct-17													
-				Floor										A-084	-													
Included		102 and 102.1			Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included		102 and 102.1		Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not																
Included		102 and 102.1		Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	No spray-applied insulation.																
Included	М	102 and 102.1	Reception	Windows	Panels	Metal	High	No	No	No	Good																	
Included	М	102 and 102.1	Reception	Miscellaneous	Caulking	Dark Brown Caulking	High	No	Yes	No	Good	On door frame.	Bulk	V.S. A-086	14-Oct-17													
Included	М	102 and 102.1	Reception	Miscellaneous	Caulking	Grey Caulking	High	No	Yes	No	Good	Building caulking	Bulk	V.S. A-041	14-Oct-17													
Included	М	102 and 102.1	Reception	Miscellaneous	Caulking	Beige Caulking	High	No	Yes	No	Good	Building caulking.	Bulk	V.S. A-030	14-Oct-17													
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Included/ Excluded Floo	r Room#	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Asbestos Containing Material?	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
Included M	102 and 10	2.1 Reception	Miscellaneous	Caulking	Grey Window Caulking	High	No	Yes	No	Good	Caulking on old exterior windows.	Bulk	A-047	14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	70 ft.	Photograph 1	
Included M	102 and 10	2.1 Office	Windows	Caulking	Black Window Caulking	High	No	Yes	No	Good	Caulking on old exterior windows below grey Caulking.	Bulk	V.S. A-047	14-Oct-17	Chrysotile	Caulking	5.1	No	No	N/A	Annually	5	High	Manage in place.	70 ft.	Photograph 1	
Included M	102 and 10	2.1 Reception	Mechanical	Duct Work	Fibreglass Wrap	High	No	No	No	Good			V C A 040 A 040														
Included M Included M		Office Office	Walls Walls	Walls Walls	Drywall Cinderblock	High	No No	Yes	No No	Good		Bulk	V.S. A-042, A-046, A-048, A-070	14-Oct-17													
Included M		Office	Floor	Floor	Vinyl Sheet Flooring	High High	No	No Yes	No	Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included M	103	Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included M Included M		Office Office	Ceiling Windows		Metal Q-Deck	High High	No No	No	No	Good	No spray-applied insulation.	Dulk	V.S. A-086	14-Oct-17													
Included M Included M	103	Office	Mechanical	Caulking Piping	Dark Brown Caulking Metal Pipes	High	No	Yes No	No No	Good	On window frames.  Bare or insulated with fibreglass and PVC fittings.	Bulk	V.S. A-000	14-001-17													
Included M			Mechanical		Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	A-049 V.S. A-042, A-046,	14-Oct-17													
Included M Included M		Office Office	Walls	Walls Walls	Drywall Cinderblock	High High	No No	Yes No	No No	Good		Bulk	A-048, A-070	14-Oct-17													
Included M		Office	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included M	104	Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included M Included M		Office Office	Ceiling Windows	Ceiling Space Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. On window frames.	Bulk	V.S. A-086	14-Oct-17													
Included M	104	Office	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.	Duik	V.G. 71 000	11.00.11													
Included M		Office	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-049 V.S. A-042, A-046,	1													
Included M Included M		Office Office	Walls Walls	Walls Walls	Drywall Cinderblock	High High	No No	Yes No	No No	Good		Bulk	A-048, A-070	14-Oct-17													
Included M	105	Office	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included M	105	Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included M Included M		Office Office	Ceiling Windows	Ceiling Space Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. On window frames.	Bulk	V.S. A-086	14-Oct-17													
Included M		Office	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included M		Office	Mechanical		Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-049 V.S. A-042, A-046,														
Included M Included M		Office Office	Walls Walls	Walls Walls	Drywall Cinderblock	High High	No No	Yes No	No No	Good		Bulk	A-048, A-070	14-Oct-17													
Included M		Office	Walls	Walls	Brick	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	14-Oct-17													
Included M	106	Office	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included M	106	Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included M Included M		Office Office	Ceiling Windows	Ceiling Space Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. On window frames.	Bulk	V.S. A-086	14-Oct-17													
				Caulking	Dark Brown Caulking	riigii																					
Included M		Office	Miscellaneous	Caulking	Beige Caulking	High	No	Yes	No	Good	Building caulking.  Caulking on old exterior	Bulk		14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Appually	5	High	Managa in place	20 ft	Photograph 1	
Included M	106	Office	Miscellaneous Windows	Caulking  Caulking	Beige Caulking  Grey Window Caulking	High High	No No	Yes Yes	No	Good	Caulking on old exterior windows.  Bare or insulated with fibreglass	Bulk Bulk	V.S. A-030 V.S. A-047		Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
	106 106		Miscellaneous	Caulking	Beige Caulking	High	No	Yes			Caulking on old exterior windows.		V.S. A-047 V.S. A-049	14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M Included M Included M Included M	106 106 106 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls	Caulking Caulking Piping Duct Work Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall	High High High High High	No No No No No	Yes Yes No Yes Yes Yes	No No No	Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.	Bulk	V.S. A-047	14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M Included M Included M Included M Included M	106 106 106 107	Office Office Office Fax/Copy Area Fax/Copy Area	Miscellaneous Windows  Mechanical Mechanical Walls  Walls	Caulking Caulking Piping Duct Work Walls	Beige Caulking Grey Window Caulking Metal Pipes Grey Duct Mastic Drywall Cinderblock	High High High High High High	No No No No No	Yes Yes No Yes Yes No	No No No No	Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.	Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083,	14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M Included M Included M Included M Included M	106 106 106 107 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls	Caulking Caulking Piping Duct Work Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall	High High High High High	No No No No No	Yes Yes No Yes Yes Yes	No No No	Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.	Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107	Office Office Office Fax/Copy Area Fax/Copy Area Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Walls	Caulking Caulking Piping Duct Work Walls Walls Floor	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick	High High High High High High High	No No No No No No	Yes Yes No Yes Yes No Yes Yes	No No No No No	Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not	Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling	Caulking Caulking Piping Duct Work Walls Walls Floor Ceiling Ceiling Space	Beige Caulking Grey Window Caulking Metal Pipes Grey Duct Mastic Drywall Cinderblock Brick Vinyl Sheet Flooring 2' x 4' Ceiling Tile Metal Q-Deck	High High High High High High High High	No N	Yes Yes No Yes Yes No Yes No Yes No Yes No Yes No No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.	Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107	Office Office Office Fax/Copy Area Fax/Copy Area Fax/Copy Area Fax/Copy Area Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Walls Floor Ceiling	Caulking Caulking Piping Duct Work Walls Walls Floor Ceiling Ceiling Space	Beige Caulking Grey Window Caulking Metal Pipes Grey Duct Mastic Drywall Cinderblock Brick Vinyl Sheet Flooring 2' x 4' Ceiling Tile	High High High High High High High High	No	Yes Yes No Yes Yes No Yes No Yes No Yes No	No	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking.	Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Ceiling Ceiling Space Caulking Caulking Piping	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Dick  Dark Brown Caulking  Beige Caulking  Metal Pipes	High High High High High High High High	No N	Yes Yes No Yes Yes No Yes No Yes No Yes Yes No No No No Yes Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings. Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. On window frames.	Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Ceiling Ceiling Windows Miscellaneous	Caulking Caulking Piping Duct Work Walls Walls Walls Ceiling Ceiling Space Caulking Caulking	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking	High High High High High High High High	No N	Yes No Yes No Yes No Yes No Yes No Yes Yes No No No Yes Yes	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows:  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  On window frames.  Building caulking.  Bare or insulated with fibreglass	Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-011  V.S. A-030  V.S. A-027, A-028, A-028, A-027, A-028, A-027, A-028, A-028	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Fax/Copy Area	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Floor  Ceiling  Ceiling Space  Caulking  Caulking  Caulking  Piping  Duct Work	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Q-Deck  Beige Caulking  Metal Pipes  Fibreglass Wrap	High High High High High High High High	No N	Yes	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows:  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  On vindow frames.  Building caulking.  Bare or insulated with fibreglass and PVC fittings.	Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-084  V.S. A-025  V.S. A-021  V.S. A-030  V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Celling Windows Miscellaneous Mechanical Walls Walls Floor Windows Miscellaneous Mechanical Walls Mechanical Walls	Caulking Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Caulking Caulking Caulking Piping Duct Work Walls Floor	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal G-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall	High High High High High High High High	No N	Yes   Yes   No   Yes   No   Yes   No   Yes   No   Yes   Yes   No   No   No   Yes   No   No   Yes   No   Yes   No   Yes   No   Yes   No   Yes   No   No   Yes	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white.  Date coded to a time period where asbestos use was not	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-030  V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No .	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	108 108 108 109 107 107 107 107 107 107 107 107 108 108 108	Office Office Office Fax/Copy Area Coffee Station Coffee Station Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Wechanical Walls Floor Windows Miscellaneous Mechanical Wechanical Walls Floor	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Walls  Ceiling  Ceiling Space  Caulking  Piping  Duct Work  Walls  Floor  Caulking  Floor  Caulking  Floor  Caulking	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck	High High High High High High High High	No N	Yes Yes No No Yes Yes No No No No No No Yes Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  Os pray-applied insulation.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-030  V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No .	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	108 108 108 109 107 107 107 107 107 107 107 107 108 108 108 108	Office Office Office Office Fax/Copy Area Coffee Station Coffee Station Coffee Station Coffee Station Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Wechanical Wechanical Wechanical Ceiling Ceiling Ceiling Ceiling Ceiling Mechanical	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Floor  Caulking  Caulking  Caulking  Caulking  Duct Work  Walls  Floor  Ceiling  Ceiling  Caulking  Cau	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Drywall  Vinyl Sheet Flooring  Beige Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Q-Deck  Metal Q-Deck  Metal Pipes	High High High High High High High High	No N	Yes Yes No Yes No Yes No Yes No Yes No Yes No No No Yes Yes No No No No No No No Yes Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  On window frames.  Building caulking.  Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-030  V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 108 108 108 108 108 108	Office Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Caulking Piping Duct Work Walls Ceiling Space Caulking Caulking Ceiling Space Caulking Ceiling Space Caulking Duct Work Walls Floor Ceiling Duct Work Duct Work	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Fibreglass Wrap  Grey Duct Mastic	High High High High High High High High	No N	Yes Yes No Yes No Yes No Yes No Yes No No Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows:  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-026	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 108 108 108 108 108 109	Office Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Ceiling Walls Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Walls Ceiling Ceiling Space Caulking Caulking Duct Work Walls Ceiling Space Caulking Piping Duct Work Ceiling Duct Work Walls Duct Work Walls Duct Work Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Celling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Celling Tile  Metal Q-Deck  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Metal Q-Deck  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall	High High High High High High High High	No N	Yes Yes No Yes No Yes No Yes No No Yes Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-011  V.S. A-030  V.S. A-027, A-028, A-029, A-053  V.S. A-025	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 108 108 108 109 109	Office Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Caulking Piping Duct Work Walls Ceiling Space Caulking Caulking Ceiling Space Caulking Ceiling Space Caulking Duct Work Walls Floor Ceiling Duct Work Duct Work	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Fibreglass Wrap  Grey Duct Mastic	High High High High High High High High	No N	Yes Yes No Yes No Yes No Yes No Yes No No Yes No	No N	Good Good Good Good Good Good Good Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-029, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-030  V.S. A-030  V.S. A-027, A-028, A-083  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-029, A-053	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 108 108 108 108 108 109 109	Office Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Medianical Mechanical Walls Walls	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Walls  Floor  Ceiling Space  Caulking  Piping  Duct Work  Walls  Caulking  Caulking  Caulking  Caulking  Caulking  Caulking  Caulking  Caulking  Caulking  Duct Work  Walls  Floor  Ceiling Space  Piping  Duct Work  Walls  Walls  Walls  Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No Yes No No Yes Yes No No No No Yes Yes No	No N	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated with fibreglass and PVC fittings.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-029, A-053	14-Oct-17	Chrysotile	Caulking	10	No .	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 108 108 108 108 109 109 109	Office Office Office Office Fax/Copy Area Coffee Station Existing Office Existing Office	Miscellaneous Windows Mechanical Mechanical Walls Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Weahanical Mechanical Wells Floor Ceiling Walls Floor Walls Floor Walls Walls Walls Walls Walls	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Walls  Floor  Ceiling Space  Caulking  Piping  Duct Work  Walls  Floor  Caulking  Caulking  Caulking  Caulking  Caulking  Piping  Duct Work  Walls  Floor  Ceiling Space  Piping  Duct Work  Walls  Walls  Walls  Walls  Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No Yes No No Yes Yes No No No No Yes Yes No No Yes Yes No	No N	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Uninsulated ducting.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084	14-Oct-17	Chrysotile	Caulking	10	No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Office Fax/Copy Area Coffee Station Existing Office Existing Office Existing Office	Miscellaneous Windows Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Walls Floor Walls Floor Mechanical Walls Floor	Caulking  Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Piping Duct Work Walls Walls Floor Ceiling Space Ceiling Space Caulking Caulking Piping Duct Work Walls Floor Ceiling Space Piping Duct Work Walls Floor Ceiling Space Ceiling Space Piping Ceiling Space Piping Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Ceiling Ceiling Ceiling	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Z' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No Yes Yes No No No No Yes Yes No No No No No No No No Yes Yes Yes No No No No No No No No No Yes Yes Yes No	No N	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated with fibreglass and PVC fittings.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-084  V.S. A-025  V.S. A-021  V.S. A-030  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-054  V.S. A-027, A-028, A-029, A-054  V.S. A-084  V.S. A-084  V.S. A-085	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Office Office Fax/Copy Area Coffee Station Existing Office	Miscellaneous Windows Mechanical Mechanical Walls Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Wechanical Windows Miscellaneous Mechanical Wechanical Wells Floor Ceiling Walls Floor Ceiling	Caulking  Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Piping Duct Work Walls Walls Floor Ceiling Space Ceiling Space Caulking Caulking Piping Duct Work Walls Floor Ceiling Space Piping Duct Work Walls Floor Ceiling Space Ceiling Space Piping Ceiling Space Piping Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Ceiling Ceiling Ceiling	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Q-Deck  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No Yes No No No No No Yes Yes No No No Yes Yes No	No	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  Date coded to a time period where asbestos use was not widespread.  Date coded to a time period where asbestos use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-029, A-053  V.S. A-084  V.S. A-084  V.S. A-085	14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17	Chrysotile	Caulking	10	No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 108 108 108 108 108 109 109 109 109	Office Office Office Office Office Fax/Copy Area Coffee Station Coffee Statio	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Wearbanical Windows Miscellaneous Mechanical Wechanical Weshanical Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Ceiling Ceiling Ceiling Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Piping Duct Work Walls Floor Ceiling Space Ceiling Space Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Space Piping Duct Work Walls Floor Ceiling Space Ceiling Space Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal O-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Wall  Grey Wall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal G-Deck  Dark Brown Caulking  Metal Pipes  Light Brown Duct Mastic	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No	No	Good   Good	Caulking on old exterior windows:  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Bare or insulated with fibreglass use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-029, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-030  V.S. A-030  V.S. A-027, A-028, A-033  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-029, A-053	14-Oct-17	Chrysotile	Caulking		No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 108 108 108 108 108 109 109 109 109 109 1109	Office Office Office Office Office Fax/Copy Area Coffee Station	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Walls Floor Ceiling Windows Mechanical Wechanical Mechanical Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Ceiling Ceiling Mechanical Mechanical Mechanical Mechanical Walls Walls Walls Walls Floor Ceiling Ceiling Walls	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Walls  Floor  Caulking  Piping  Duct Work  Walls  Floor  Ceiling Space  Caulking  Ceiling Space  Caulking  Ceiling Space  Piping  Duct Work  Walls  Floor  Ceiling Space  Piping  Duct Work  Walls  Floor  Ceiling Space  Piping  Ceiling Space  Piping  Ceiling Space  Piping  Duct Work  Ceiling Ceiling Space  Piping  Duct Work  Ceiling Space  Ceiling  Ceiling Ceiling  Ceiling  Ceiling  Ceiling  Ceiling  Ceiling  Ceiling  Ceiling  Ceiling  Duct Work  Walls	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Wult  Metal Q-Deck  Drywall  Metal Q-Deck  Drywall  Metal Q-Deck  Drywall  Metal Q-Deck  Dark Brown Caulking  Metal Pipes  Light Brown Duct Mastic  Drywall	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No No Yes No No No Yes No No No Yes Yes No	No	Good   Good	Caulking on old exterior windows:  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. On window frames. Bare or insulated with fibreglass and PVC fittings.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-027, A-028, A-029, A-053  V.S. A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-082, A-083, A-084  V.S. A-025	14-Oct-17	Chrysotile	Caulking		No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Office Office Fax/Copy Area Coffee Station Coffee Statio	Miscellaneous Windows Mechanical Mechanical Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Wearbanical Windows Miscellaneous Mechanical Wechanical Weshanical Mechanical Mechanical Mechanical Mechanical Walls Floor Ceiling Ceiling Ceiling Ceiling Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Ceiling Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical	Caulking Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Piping Duct Work Walls Floor Ceiling Space Ceiling Space Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Space Piping Duct Work Walls Floor Ceiling Space Ceiling Space Ceiling Space Ceiling Ceiling Space Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling Ceiling	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal O-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Wall  Grey Wall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal G-Deck  Dark Brown Caulking  Metal Pipes  Light Brown Duct Mastic	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No	No	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread. No spray-applied insulation. On window frames. Bare or insulated with fibreglass and PVC fittings. Uninsulated ducting.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-053  V.S. A-084  V.S. A-087, A-084  V.S. A-087, A-087  V.S. A-087, A-087  V.S. A-087, A-088	14-Oct-17	Chrysotile	Caulking		No .	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Office Office Fax/Copy Area Coffee Station Coffee Station Coffee Station Coffee Station Coffee Station Existing Office	Miscellaneous Windows Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Windows Miscellaneous Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Ceiling Ceiling Mechanical Mechanical Walls Walls Walls Walls Floor Ceiling Ceiling Wechanical Walls	Caulking  Caulking  Piping  Duct Work  Walls  Walls  Walls  Floor  Ceiling Space  Caulking  Piping  Duct Work  Walls  Ceiling Space  Caulking  Piping  Duct Work  Walls  Floor  Ceiling Space  Piping  Duct Work  Walls  Floor  Ceiling Space  Ceiling Space  Ceiling Space  Piping  Ceiling Space  Piping  Ceiling Space  Caulking  Piping  Duct Work  Walls  Walls  Floor  Walls  Walls  Floor	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Winyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Winyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Grey Duct Mastic  Drywall  Cinderblock  Brick  Winyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Winyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Light Brown Duct Mastic  Drywall  Cinderblock	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No Yes Yes No	No	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. On window frames. Building caulking. Bare or insulated with fibreglass and PVC fittings.  Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation. Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled. Grey, beige and white. Date coded to a time period where asbestos use was not widespread.  Uninsulated ducting.  Grey, beige and white.  Grey, beige and white.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-011  V.S. A-030  V.S. A-025  V.S. A-027, A-028, A-029, A-053	14-Oct-17	Chrysotile	Caulking		No.	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	
Included M	106 106 106 107 107 107 107 107 107 107 107 107 107	Office Office Office Office Office Office Fax/Copy Area Coffee Station Coffee Station Coffee Station Coffee Station Coffee Station Coffee Station Existing Office	Miscellaneous Windows Mechanical Mechanical Mechanical Walls Walls Floor Ceiling Windows Miscellaneous Mechanical Walls Floor Ceiling Ceiling Mechanical Walls Walls Walls Floor Ceiling Walls Walls Floor Ceiling Walls Walls Floor Ceiling Mechanical Walls Walls Floor Ceiling Mechanical Walls Walls Floor	Caulking Piping Duct Work Walls Walls Walls Floor Ceiling Space Caulking Piping Duct Work Walls Floor Caulking Caulking Caulking Caulking Caulking Caulking Caulking Piping Duct Work Walls Floor Ceiling Space Piping Duct Work Walls Floor Ceiling Space Caulking Piping Duct Work Walls Walls Floor Ceiling Ceiling Space Caulking Piping Ceiling Space Ceiling	Beige Caulking  Grey Window Caulking  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  2' x 4' Ceiling Tile  Metal Q-Deck  Dark Brown Caulking  Beige Caulking  Metal Pipes  Fibreglass Wrap  Drywall  Z' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Fibreglass Wrap  Drywall  Cinderblock  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Vinyl Sheet Flooring  Z' x 4' Ceiling Tile  Metal Q-Deck  Metal Pipes  Grey Duct Mastic  Drywall  Cinderblock  Brick  Metal Q-Deck  Metal Pipes  Light Brown Duct Mastic  Drywall  Cinderblock  Dark Brown Duct Mastic  Drywall  Cinderblock  Cinderblock  Cinderblock  Dark Brown Duct Mastic  Drywall  Cinderblock  Cinderblock  Cinderblock  Cinderblock  Dark Brown Duct Mastic  Drywall  Cinderblock  Vinyl Sheet Flooring	High High High High High High High High	No	Yes Yes No Yes No Yes No Yes No No Yes Yes No No No No Yes Yes No	No	Good   Good	Caulking on old exterior windows.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  On window frames.  Building caulking.  Bare or insulated with fibreglass and PVC fittings.  Con window frames.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Brick mortar sampled.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  No spray-applied insulation.  On window frames.  Bare or insulated with fibreglass and PVC fittings.  Uninsulated ducting.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.  Grey, beige and white.  Date coded to a time period where asbestos use was not widespread.	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk	V.S. A-047  V.S. A-049  V.S. A-027, A-028, A-029, A-053  V.S. A-082, A-083, A-084  V.S. A-025  V.S. A-025  V.S. A-027, A-028, A-029, A-029, A-053  V.S. A-027, A-028, A-029, A-054  V.S. A-027, A-028, A-029, A-054  V.S. A-082, A-054  V.S. A-082, A-055  V.S. A-082, A-055  V.S. A-082, A-055  V.S. A-082, A-055  V.S. A-050  V.S. A-050	14-Oct-17	Chrysotile	Caulking		No No	No	N/A	Annually	5	High	Manage in place.	20 ft.	Photograph 1	

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Included/ Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Asbestos Containing Material?	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
Included	М	110	Existing Office	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included	M	110	Existing Office Existing Office	Mechanical Walls	Duct Work Walls	Light Brown Duct Mastic  Drywall	High High	No No	Yes Yes	No No	Good	Uninsulated ducting.	Bulk Bulk	V.S. A-050 V.S. A-027, A-028, A-029, A-053	14-Oct-17 14-Oct-17													
Included	M	111	Existing Office	Walls	Walls	Cinderblock	High	No	No	No	Good	Crow hoige and white	Dulk															
Included	M	111	Existing Office Existing Office	Floor Ceiling	Floor Ceiling	Vinyl Sheet Flooring 2' x 4' Ceiling Tile	High	No No	Yes No	No No	Good	Grey, beige and white.  Date coded to a time period where asbestos use was not	Bulk	V.S. A-025	14-Oct-17													
Included	M	111	Existing Office	Ceiling		Metal Q-Deck	High High	No	No	No	Good	widespread.  No spray-applied insulation.																
Included	М	111	Existing Office	Windows	Caulking	Dark Brown Caulking	High	No	Yes	No	Good	On window frames.  Bare or insulated with fibreglass	Bulk	V.S. A-011	14-Oct-17													
Included	M	111	Existing Office Existing Office	Mechanical Mechanical	Piping Duct Work	Metal Pipes Light Brown Duct Mastic	High High	No No	No Yes	No No	Good	and PVC fittings. Uninsulated ducting.	Bulk	V.S. A-050	14-Oct-17													
Included	М	112	Existing Office	Walls	Walls	Drywall	High	No	Yes	No	Good	, and the second	Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M M	112 112	Existing Office Existing Office	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	112	Existing Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included Included	M	112	Existing Office	Ceiling Windows	Ceiling Space		High	No	No Voc	No	Good	No spray-applied insulation.	Dulk	V.S. A-011	14-Oct-17													
Included	M	112	Existing Office Existing Office	Mechanical	Caulking Piping	Dark Brown Caulking Metal Pipes	High High	No No	Yes No	No No	Good	On window frames.  Bare or insulated with fibreglass	Bulk	V.S. A-011	14-Oct-17													
Included Included	M	112 113	Existing Office Existing Office	Mechanical Walls		Light Brown Duct Mastic Drywall	High High	No No	Yes Yes	No No	Good Good	and PVC fittings. Uninsulated ducting.	Bulk Bulk		14-Oct-17 14-Oct-17													
Included Included	M M	113	Existing Office	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good	Grov heige and white	Bulk		14-Oct-17													
Included	M	113	Existing Office  Existing Office	Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	Grey, beige and white.  Date coded to a time period where asbestos use was not	Juin	V.S. PT-025	500=17													
Included	М	113	Existing Office	Ceiling	_	Metal Q-Deck	High	No	No	No	Good	widespread. No spray-applied insulation.																
Included	M M	113 113	Existing Office	Windows	Caulking	Dark Brown Caulking	High	No No	Yes No	No No	Good	On window frames. Bare or insulated with fibreglass	Bulk	V.S. A-011	14-Oct-17													
Included	M	113	Existing Office Existing Office	Mechanical Mechanical	Piping Duct Work	Metal Pipes Light Brown Duct Mastic	High High	No	Yes	No	Good Good	and PVC fittings. Uninsulated ducting.	Bulk	V.S. A-050	14-Oct-17													
Included	М	114	Vestibule	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M	114 114	Vestibule Vestibule	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	114	Vestibule	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	М	114	Vestibule	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	widespread.  No spray-applied insulation.																
Included	М	114	Vestibule	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.		V.S. A-027, A-028,														
Included	M	115 115	Corridor Corridor	Walls Floor	Walls	Drywall Vinyl Sheet Flooring	High High	No No	Yes Yes	No No	Good	Grey, beige and white.	Bulk	A-029, A-053 V.S. A-025	14-Oct-17													
Included	М	115	Corridor	Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not	Built	V.G. 71 GEG	11 000 11													
Included	M	115	Corridor	Ceiling	Ceiling Space		High	No	No	No	Good	widespread.  No spray-applied insulation.																
Included	M M	115	Corridor	Mechanical	Duct Work	Brown Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	A-051 V.S. A-027, A-028,	14-Oct-17													
Included	M	116 116	Corridor Corridor	Walls Floor	Walls Floor	Drywall Vinyl Sheet Flooring	High High	No No	Yes Yes	No No	Good	Grey, beige and white.	Bulk Bulk	A-029, A-053 V.S. A-025	14-Oct-17													
Included	М	116	Corridor	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	М	116	Corridor	Ceiling	Ceiling Space		High	No	No	No	Good	widespread. No spray-applied insulation.																
Included Included	M M	116 116	Corridor Corridor	Windows Mechanical	Caulking Duct Work	Black Window Caulking Fibreglass Wrap	High High	No No	Yes No	No No	Good Good	On window pane.	Bulk	A-052	14-Oct-17													
Included	М	116	Corridor	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.	D. II.	A 050	44.0-4.47													
Included Included Included	M M	117 117 117	Boardroom Boardroom Boardroom	Walls Walls Floor	Walls Walls Floor	Drywall Cinderblock Carpet Tiles	High High High	No No No	Yes No No	No No	Good Good Good	Concrete below	Bulk	A-053	14-Oct-17													
Included	M	117	Boardroom	Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	M	117	Boardroom	Ceiling		Metal Q-Deck	High	No	No	No	Good	widespread.  No spray-applied insulation.																
Included Included	M M	117 117	Boardroom Boardroom	Windows Windows	Caulking Caulking	Black Window Caulking Dark Brown Caulking	High High	No No	Yes Yes	No No	Good	On window panes. On window frames.	Bulk Bulk		14-Oct-17 14-Oct-17													
Included Included	M M	117	Boardroom Boardroom	Mechanical Mechanical	Duct Work Duct Work	Light Brown Duct Mastic Grey Duct Mastic	High High	No No	Yes Yes	No No	Good	Uninsulated ducting. Uninsulated ducting.	Bulk Bulk	V.S. A-050	14-Oct-17													
Included	M	117	Boardroom	Mechanical	Duct Work	Brown Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk															
Included	M	117	Boardroom Small Boardroom	Mechanical Walls	Piping Walls	Metal Pipes  Drywall	High High	No No	No Yes	No No	Good	and PVC fittings.	Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included	M	118	Small Boardroom	Floor	Floor	Carpet Tiles	High	No	No	No	Good	Concrete below.  Date coded to a time period		A-U29, A-053														
Included	М	118	Small Boardroom	Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included Included	M M	118 118	Small Boardroom Small Boardroom	Ceiling Windows	Ceiling Space Caulking	Metal Q-Deck Black Window Caulking	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. On window panes.	Bulk	V.S. A-052	14-Oct-17													
Included Included	M M	118 118	Small Boardroom Small Boardroom	Mechanical Mechanical	Duct Work Duct Work	Fibreglass Wrap Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	118	Small Boardroom	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.		V0.4.555														
Included	M	119	Corridor	Walls Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M	119 119	Corridor Corridor	Floor	Walls Floor	Metal Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included	М	119	Corridor	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included Included	M M	119 119	Corridor Corridor	Ceiling Mechanical		Metal Q-Deck Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	No spray-applied insulation.	Bulk	V.S. A-039	14-Oct-17													
Included Included	M M	120 120	Storage Storage	Walls Floor	Walls Floor	Metal Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good	Ĭ		V.S. A-025														
Included	М	120	Storage	Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not	•															
Included	М		Storage	Ceiling	_	Metal Q-Deck	High	No	No	No	Good	widespread.																
		_					-			•	•																	

Included/	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Asbestos Containing	Condition	Field Notes	Sample	Sample ID	Sample	Asbestos	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for	Recommended	Quantity	Photograph ID	Labelling Type
Excluded							_		-	Material?			Type	·	Date	Туре				., ., .		.,	. ,	Disturbance	Action			3 7,1
Included	M	120 120	Storage Storage	Mechanical Mechanical	Duct Work Piping	Grey Duct Mastic Metal Pipes	High High	No No	Yes No	No No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk	V.S. A-039	14-Oct-17													
Included	M	121	Storage	Walls	Walls	Metal	High	No	No	No	Good	and PVC fittings.																
Included	M	121	Storage	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included	M	121	Storage	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not																
Included	M	121	Storage	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	widespread. No spray-applied insulation.																
Included	M M	121 122	Storage Storage	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Metal	High High	No No	Yes No	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	122	Storage	Floor	Floor	Concrete	High	No	No	No	Good	N																
Included Included	M	122 122	Storage Storage	Ceiling Mechanical	Ceiling Space Duct Work	Metal Q-Deck Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	122	Storage	Miscellaneous	Firestop	Red Firestop	High	No	Yes	No	Good	Bare or insulated with fibreglass	Bulk	V.S. A-016	14-Oct-17													
Included	М	122	Storage	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	and PVC fittings.		V.C. A 027 A 029														
Included	М	123	Laboratory - Office	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M	123 123	Laboratory - Office Laboratory - Office	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	123	Laboratory - Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	M	123	Laboratory - Office	Ceiling	_	Metal Q-Deck		No	No	No	Good	widespread.																
Included	М	123	Laboratory - Office	Windows	Caulking	Dark Brown Caulking	High High	No	Yes	No	Good	No spray-applied insulation. On window frames.	Bulk		14-Oct-17													
Included	M M	123 123	Laboratory - Office	Mechanical Mechanical	Duct Work	Grey Duct Mastic Metal Pipes	High	No No	Yes No	No No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk	V.S. A-039	14-Oct-17													
Included			Laboratory - Office	Mechanical	Piping	·	High					and PVC fittings.	D. "	V.S. A-027, A-028,	44.0 : 4-													
Included Included	M	123	Laboratory -Wet Lab  Laboratory -Wet Lab	Walls Walls	Walls Walls	Drywall Cinderblock	High High	No No	Yes No	No No	Good Good		Bulk	A-029, A-053	14-Oct-17													
Included	M	123	Laboratory -Wet Lab		Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	123	Laboratory -Wet Lab	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	M	123	Laboratory -Wet Lab	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	widespread. No spray-applied insulation.																
Included Included	M	123 123	Laboratory -Wet Lab Laboratory -Wet Lab	Mechanical	Duct Work Sink	Grey Duct Mastic White Undercoat	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	V.S. A-039 V.S. A-058	14-Oct-17													
Included	M	123	Laboratory - Wet Lab	Miscellaneous	Fume Hood	Cement Board	High	Yes	No	Potential	Good	Not sampled due to concerns of	Dunt	V.G. 71 000	11 000 11													
Included	М	123	Laboratory - Adjacent to	Walls	Walls	Drywall	High	No	Yes	No	Good	damaging.	Bulk	V.S. A-027, A-028,	14-Oct-17													
-	м	123	Wet Lab Laboratory - Adjacent to	Walls	Walls				No		Good		Duin	A-029, A-053	11 000 11													
Included			Wet Lab Laboratory - Adjacent to		+	Cinderblock	High	No		No																		
Included	М	123	Wet Lab	Walls	Walls	Metal	High	No	No	No	Good																	
Included	М	123	Laboratory - Adjacent to Wet Lab	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey and white.	Bulk	V.S. A-032	14-Oct-17													
Included	М	123	Laboratory - Adjacent to Wet Lab	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
la alcoda d		400	Laboratory - Adjacent to	0-11	0-::: 0	Matal O Davis	10-6	N-	NI-	NI-	01	widespread.																
Included	М	123	Wet Lab Laboratory - Adjacent to	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	No spray-applied insulation.																
Included	М	123	Wet Lab	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	123	Laboratory - Adjacent to Wet Lab	Miscellaneous	Caulking	Grey Caulking	High	No	Yes	No	Good	Building caulking	Bulk	V.S. A-041	14-Oct-17													
Included	М	123	Laboratory - Adjacent to Wet Lab	Miscellaneous	Sink	White Undercoat	High	No	Yes	No	Good		Bulk	V.S. A-058	14-Oct-17													
Included	М	123	Laboratory - General Area	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included	М	123	Laboratory - General	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey and white.	Bulk	V.S. A-032	14-Oct-17													
			Laboratory - General	<u></u>								Date coded to a time period																
Included	М	123	Area	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included	М	123	Laboratory - General Area	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	No spray-applied insulation.																
Included	М	123	Laboratory - General Area	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.																
Included	М	123	Laboratory - General	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	123	Laboratory - Chemical	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028,	14-Oct-17													
-	м	123	Storage Laboratory - Chemical	Walls	Walls	Cinderblock	High	No	No	No	Good			A-029, A-053	224 17													
Included			Storage Laboratory - Chemical		1	<del> </del>						0 1 / "	Б.:	V.C. * 577	44.0 : ::													
Included	М	123	Storage	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey and white.  Date coded to a time period	Bulk	V.S. A-032	14-Oct-17													
Included	М	123	Laboratory - Chemical Storage	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not																
Included	М	123	Laboratory - Chemical	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	widespread.  No spray-applied insulation.																
-	м	123	Storage Laboratory - Chemical								Good		Pulls	V.S. A-011	14-Oct-17													
Included			Storage Laboratory - Chemical	Windows	Caulking	Dark Brown Caulking	High	No	Yes	No		On window frames.	Bulk															
Included	М	123	Storage		Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	123	Laboratory - Chemical Storage	Miscellaneous	Caulking	Grey Caulking	High	No	Yes	No	Good	Building caulking	Bulk	V.S. A-041	14-Oct-17													
Included	М	123	Laboratory - Staff		Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M M	123 123	Laboratory - Staff Laboratory - Staff		Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey and white.	Bulk	V.S. A-032	14-Oct-17													
Included	м	123	Laboratory - Staff			2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
			·	_								widespread.																
Included Included	M	123 123	Laboratory - Staff Laboratory - Staff	Ceiling Windows	Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No		No No	Good Good	No spray-applied insulation. On window frames.	Bulk															
Included Included	M	123 123	Laboratory - Staff Laboratory - Staff	Mechanical Miscellaneous	Duct Work Caulking	Grey Duct Mastic Beige Caulking	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting. Building caulking.	Bulk Bulk															
Included	М	123	Laboratory - Instrument	Walls	Walls	Drywall	High	No	Yes	No	Good	,g.	Bulk	A-027	14-Oct-17													
Included	М	123	Laboratory - Instrument	Walls	Walls	Cinderblock	High	No	No	No	Good																	
Included	М	123	Room Laboratory - Instrument	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey smears.	Bulk	A-057	14-Oct-17													
oudod			Room				riigil	140	100	140	3000	Date coded to a time period	Juin	7-007	500-17													
Included	М	123	Laboratory - Instrument Room	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
	1		1		1	1					1	widospicau.																

In already of	ı						1			Asbestos		1	01-		01-	A-b4			T	1		1		D-4ti-l f	Dd-d			
Included/ Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Containing Material?	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
Included	М	123	Laboratory - Instrument Room Laboratory - Instrument	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	No spray-applied insulation.																
Included	M M	123	Room Laboratory - Instrument	Mechanical  Mechanical	Duct Work  Duct Work	Grey Duct Mastic  Brown Duct Mastic	High	No No	Yes	No No	Good	Uninsulated ducting.  Uninsulated ducting.	Bulk Bulk	V.S. A-039 V.S. A-051	14-Oct-17													
	М	123	Room Laboratory - Instrument	Miscellaneous	Sink		High			No		Offinsulated ducting.	Bulk	A-058	14-Oct-17													
Included			Room			White Undercoat	High	No	Yes		Good			V.S. A-027, A-028,														
Included Included	M M	123A 123A	Laboratory Laboratory	Walls	Walls Floor	Drywall Vinyl Sheet Flooring	High High	No No	Yes Yes	No No	Good Good	Grey, beige and white.	Bulk Bulk	A-029, A-053	14-Oct-17													
Included	М	123A	Laboratory	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included	M M	123A 123A	Laboratory Laboratory	Ceiling Mechanical	Ceiling Space	Metal Q-Deck Grey Duct Mastic	High High	No No	No Yes	No No	Good	widespread.  No spray-applied insulation.  Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	M	123A	Laboratory	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.	Buik	V.S. A-035	14-00:-17													
Included	М	123B	Laboratory	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included Included	M M	123B 123B	Laboratory Laboratory	Walls Floor	Walls Floor	Metal Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey smears.	Bulk	V.S. A-057	14-Oct-17													
Included	М	123B	Laboratory	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not widespread.																
Included Included	M M	123B 123B	Laboratory Laboratory	Ceiling Mechanical	Ceiling Space Duct Work	Metal Q-Deck Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included Included	M M	123B 124	Laboratory Library	Miscellaneous Walls	Sink Walls	White Undercoat Drywall	High High	No No	Yes Yes	No No	Good Good	Ť	Bulk Bulk	V.S. A-058 A-054	14-Oct-17 14-Oct-17													
Included Included	M M	124 124	Library Library	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	124	Library	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not																
Included Included	M M	124 124	Library Library	Ceiling Windows	Ceiling Space Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	widespread.  No spray-applied insulation.  On window frames.	Bulk	V.S. A-011	14-Oct-17													
Included	М	124	Library	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.  Bare or insulated with fibreglass	Bulk															
Included	M M	124	Library Washroom	Mechanical Walls	Piping Walls	Metal Pipes  Drywall	High High	No No	No Yes	No No	Good Good	and PVC fittings.	Bulk	V.S. A-027, A-028,	14-Oct-17													
Included	M	125	Washroom	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.	Bulk	A-029, A-053 V.S. A-025	14-Oct-17													
Included	М	125	Washroom	Ceiling	Ceiling	Drywall	High	No	Yes	No	Good	No spray-applied insulation.	Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included	M M	125 125	Washroom Washroom	Ceiling Mechanical	Ceiling Space Duct Work	Metal Q-Deck Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	Visible through access hatch.  Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17													
Included	М	126	Washroom	Walls	Walls	Drywall	High	No	Yes	No	Good	·	Bulk	V.S. A-027, A-028, A-029, A-053	14-UCI-17													
Included	M M	126 126	Washroom Washroom	Floor Ceiling	Floor Ceiling	Vinyl Sheet Flooring  Drywall	High High	No No	Yes Yes	No No	Good Good	Grey, beige and white.	Bulk Bulk	V.S. A-027, A-028,														
Included	М	127	Corridor	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	A-029, A-053 V.S. A-042, A-046, A-048, A-070														
Included	М	127	Corridor	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk		14-Oct-17													
Included	М	127	Corridor	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included	M M	127 128	Corridor Exit Corridor	Ceiling Walls	Ceiling Space Walls	Drywall Drywall	High High	No No	Yes Yes	No No	Good Good		Bulk Bulk	V.S. A-042, A-046, A-048, A-070 A-046	14-Oct-17													
Included	M M	128 128	Exit Corridor Exit Corridor	Walls Floor	Walls	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good	Grey, beige and white.																
Included	М	128	Exit Corridor	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not	Built	7.5.71 525	11 00.11													
Included	М	128	Exit Corridor	Ceiling	Ceiling Space	Drywall	High	No	Yes	No	Good	widespread.	Bulk	V.S. A-042, A-046, A-048, A-070	14-Oct-17													
Included Included			Exit Corridor	Miscellaneous Walls		Dark Brown Caulking Drywall	High High	No No	Yes Yes	No No	Good	On door frame.	Bulk Bulk	V.S. A-086														
Included		129 and 129.1		Walls	Walls	Brick	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084														
Included		129 and 129.1	Ť	Floor		Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk		14-Oct-17													
Included		129 and 129.1		Ceiling	_	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included Included Included	M	129 and 129.1 129 and 129.1 129 and 129.1	1 Corridor	Ceiling Mechanical Mechanical	Duct Work	Metal Q-Deck Grey Duct Mastic Fibreglass Wrap	High High High	No No	No Yes No	No No	Good Good Good	No spray-applied insulation. Uninsulated ducting.	Bulk	V.S. A-049	14-Oct-17													
Included	М	129 and 129.1	1 Corridor	Miscellaneous	Caulking	Beige Caulking	High	No	Yes	No	Good	Building caulking.  Caulking on old exterior	Bulk															
Included		129 and 129.1		Windows Windows	Caulking Caulking	Grey Window Caulking  Black Window Caulking	High High	No No	Yes Yes	No No	Good Good	windows. Caulking on old exterior	Bulk Bulk	V.S. A-047 V.S. A-047	14-Oct-17	Chrysotile Chrysotile	Caulking	10 5.1	No No	No No	N/A N/A	Annually Annually	5 5	High High	Manage in place.	70 ft. 70 ft.	Photograph 1 Photograph 1	
Included	М	130	Mud Room	Walls	Walls	Drywall	High	No	Yes	No	Good	windows below grey Caulking.	Bulk	A-045	14-Oct-17	Grirysoule	Caulking	3.1	INU	140	IVA	Aillually	3	riigit	Manage in place.	7011.	r notograpii i	
Included	M M		Mud Room Mud Room	Floor	Floor	Vinyl Sheet Flooring 2' x 4' Ceiling Tile	High High	No No	Yes No	No No	Good	Grey, beige and white.  Date coded to a time period where asbestos use was not	Bulk	v.S. A-025	14-Oct-17													
Included	M			Ceiling		Metal Q-Deck	High	No	No	No	Good	widespread.  No spray-applied insulation.																
Included Included	M M	130	Mud Room Mud Room	Mechanical Miscellaneous		Grey Duct Mastic White Undercoat	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	V.S. A-049 A-044	14-Oct-17 14-Oct-17													
Included	М	131	Control Room	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-042, A-046, A-048, A-070	14-Oct-17													
Included Included	M M	131 131	Control Room Control Room	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17													
Included	М	131	Control Room	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not widespread.																
Included Included	M M	131 131	Control Room Control Room	Ceiling Windows	Caulking	Metal Q-Deck Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	No spray-applied insulation. On window frames.	Bulk	V.S. A-086	14-Oct-17													
Included Included	M M	131 131	Control Room Control Room	Windows Mechanical	Caulking Duct Work	Black Window Caulking Fibreglass Wrap	High High	No No	Yes No	No No	Good Good	On window panes.	Bulk															
Included	M M	131 132	Control Room Server Room	Mechanical Walls	Duct Work Walls	Grey Duct Mastic  Drywall	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	V.S. A-049 V.S. A-042, A-046,	14-Oct-17 14-Oct-17													
Included	M		Server Room	Walls	Walls	Cinderblock	High	No	No	No	Good		Sain	A-048, A-070	550-17													
	_				<u> </u>							·	_		· <u></u>				· <u></u>				· <u></u>	·				_

Included/ Excluded	Floor	Room#	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Asbestos Containing Material?	Condition	Field Notes	Sample Type	Sample ID		sbestos Type	ACM Product	% of asbestos	Friable Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
Included	М	132	Server Room	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	132	Server Room	Ceiling	-	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.															
Included Included	M M	132 132	Server Room Server Room	Ceiling Mechanical	Ceiling Space Duct Work	Metal Q-Deck Bare Duct	High High	No No	No No	No No	Good Good	No spray-applied insulation. Uninsulated ducting.															
Included	М	132	Server Room	Electrical	Electrical Panels and Components	Electrical Panels and Components	High	Yes	No	Potential	Good	Not sampled due to safety concerns.												Inspect and sample if scheduled for removal.			
Included	M	133		Walls		Drywall	High	No	Yes	No	Good		Bulk	A-067, A068, A-069	14-Oct-17												
Included Included	M	133 133	Lunchroom Lunchroom	Walls Floor	Walls Floor	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17												
Included	М	133	Lunchroom	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not															
Included	M	133	Lunchroom	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good	widespread. No spray-applied insulation.															
Included Included	M	133 133	Lunchroom Lunchroom	Windows Windows	Caulking Caulking	Dark Brown Caulking Black Window Caulking	High High	No No	Yes Yes	No No	Good Good	On window frames. On window panes.	Bulk Bulk		14-Oct-17 14-Oct-17												
Included	М	133	Lunchroom	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good	Uninsulated ducting.	Bulk		14-Oct-17												
Included Included	M	133 134	Lunchroom Washroom	Mechanical Walls	Duct Work Walls	Fibreglass Wrap  Drywall	High High	No No	No Yes	No No	Good		Bulk	V.S. A-027, A-028,	14-Oct-17												
Included	M	134	Washroom	Walls	Walls	Cinderblock	High	No	No	No	Good		Duik	A-029, A-053	14-001-17												
Included	М	134	Washroom	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	134	Washroom	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.															
Included	М	134	Washroom	Ceiling	Ceiling Space	Concrete	High	No	No	No	Good																
Included Included	M M	134 135	Washroom Washroom	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Drywall	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	V.S. A-027, A-028,	14-Oct-17 14-Oct-17												
Included	M	135		Walls	Walls	Cinderblock	High	No	No	No	Good		Duin	A-029, A-053													
Included	М	135	Washroom	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	135	Washroom	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not															
Included	М		Washroom	Ceiling	Ceiling Space		High	No	No	No	Good	widespread.															
Included Included	M M	135 136	Washroom Washroom	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Drywall	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk		14-Oct-17 14-Oct-17												
Included	M	136 136		Walls Floor	Walls	Cinderblock Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17												
Included	М	136	Washroom	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not widespread.															
Included Included	M M	136 136	Washroom Washroom	Ceiling Mechanical	Ceiling Space Duct Work	Concrete Grey Duct Mastic	High	No No	No Yes	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17												
Included	M	137	Washroom	Walls	Walls	Drywall	High High	No	Yes	No	Good	Offinisulated ducting.	Bulk	V.S. A-027, A-028,	14-Oct-17												
Included	М	137	Washroom	Walls	Walls	Cinderblock	High	No	No	No	Good			A-029, A-053													
Included	М	137	Washroom	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	137	Washroom	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.															
Included Included	M M	137 137	Washroom Washroom	Ceiling Mechanical	Ceiling Space Duct Work	Concrete Grey Duct Mastic	High High	No No	No Yes	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-039	14-Oct-17												
Included	М	138	Exit Corridor	Walls		Drywall	High	No	Yes	No	Good	Omnounced adding.	Bulk	V S A 027 A 028	14-Oct-17												
Included	М	138	Exit Corridor	Walls	Walls	Cinderblock	High	No	No	No	Good																
Included	М	138	Exit Corridor	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	138	Exit Corridor	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.															
Included	М	138	Exit Corridor	Ceiling	Ceiling Space	Spray-Applied Insulation	High	No	Yes	No	Good		Bulk	V.S. A-012, A-013, A-014	14-Oct-17												
Included Included	M	138 139	Exit Corridor Vestibule	Mechanical Walls	Duct Work Walls	Fibreglass Wrap  Drywall	High High	No No	No Yes	No No	Good Good		Bulk	V.S. A-027, A-028,	14-Oct-17												
Included	M			Walls		Cinderblock	High	No	No	No	Good		Duik	A-029, A-053	14-061-17												
Included	М	139	Vestibule	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17												
Included	М	139	Vestibule	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.															
Included Included	M M	139 139	Vestibule Vestibule	Ceiling Mechanical		Spray-Applied Insulation Fibreglass Wrap	High High	No No	Yes No	No No	Good Good		Bulk	V.S. A-012, A-013, A-014	14-Oct-17												
Included	М	140	Work Room	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17												
Included	М			Walls	Walls	Cinderblock	High	No	No	No	Good	0 1: 1:	D. II		11.0.147												
Included Included	M	140	Work Room Work Room	Floor Ceiling	Floor	Vinyl Sheet Flooring 2' x 4' Ceiling Tile	High High	No No	Yes No	No No	Good	Grey, beige and white.  Date coded to a time period where asbestos use was not	Bulk	V.S. A-025	14-Oct-17												
Included	М	140	Work Room	Ceiling	Ceiling Space	Spray-Applied Insulation	High	No	Yes	No	Good	widespread.	Bulk	V.S. A-012, A-013,	14-Oct-17												
Included	М			Mechanical	Duct Work	Fibreglass Wrap	High	No	No	No	Good			A-014													
Included	М	141	Electrical Foreman Office	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17												
Included	М	141	Electrical Foreman Office	Walls	Walls	Cinderblock	High	No	No	No	Good																
Included	М	141	Electrical Foreman Office	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.	Bulk	V.S. A-025	14-Oct-17												
Included	М	141	Electrical Foreman Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not															
Included	М	141	Electrical Foreman Office	Ceiling	Ceiling Space	Spray-Applied Insulation	High	No	Yes	No	Good	widespread.	Bulk	V.S. A-012, A-013, A-014	14-Oct-17												
Included	М	141	Electrical Foreman Office	Mechanical	Duct Work	Fibreglass Wrap	High	No	No	No	Good			A-014													
Included	М	141	Electrical Foreman Office	Windows	Caulking	Dark Brown Caulking	High	No	Yes	No	Good	On window frames.	Bulk	V.S. A-011 1	14-Oct-17												
Included	М		Electrical Foreman Office	Windows		Black Window Caulking	High	No	Yes	No	Good	On window panes.	Bulk	+	14-Oct-17												
Included	М	142	Instrument Foreman	Walls		Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028,	14-Oct-17												
Included	M	142	Office Instrument Foreman	Walls	Walls	Cinderblock	High	No	No	No	Good		Jain	A-029, A-053	55. 17												
moluded	141	144	Office	· rano	. 14113	SIGGI DIOOK	riigit	140	140	140	3000	1															

Included/										Asbestos			Sample		Sample	Asbestos								Potential for	Recommended			
Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Containing Material?	Condition	Field Notes	Type	Sample ID	Date	Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Disturbance	Action	Quantity	Photograph ID	Labelling Type
Included	М	142	Instrument Foreman Office	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk	V.S. A-025	14-Oct-17													
Included	М	142	Instrument Foreman Office	Ceiling	Ceiling	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included	М	142	Instrument Foreman Office Instrument Foreman	Ceiling	Ceiling Space	Spray-Applied Insulation	High	No	Yes	No	Good		Bulk	V.S. A-012, A-013, A-014	14-Oct-17													
Included	M	142	Office Instrument Foreman	Mechanical	Duct Work	Fibreglass Wrap	High	No	No	No	Good	On window forms	D. III	V C A 044	44.0-4.47													
Included	M	142	Office Instrument Foreman	Windows	Caulking	Dark Brown Caulking  Black Window Caulking	High High	No No	Yes Yes	No No	Good	On window frames.  On window panes.	Bulk	V.S. A-011 V.S. A-052	14-Oct-17													
Included	M	143	Office Parts Storage	Walls	Walls	Cinderblock	High	No	No	No	Good	On minden paries.	Built	7.6.77.002														
Included Included Included	M	143 143 143	Parts Storage Parts Storage Parts Storage	Floor Ceiling Mechanical	Floor Ceiling Piping	Concrete Concrete Insulation	High High High	No No No	No No Yes	No No	Good Good Good	On pipe fittings.	Bulk	A-015	13-Oct-17													
Included Included	M M	143 143	Parts Storage Parts Storage	Miscellaneous Miscellaneous	Firestop Firestop	Red Firestop Parging Material	High High	No No	Yes Yes	No No	Good Good		Bulk Bulk	A-016 A-017	13-Oct-17 13-Oct-17													
Included	М	144	Maintenance Expansion	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	13-Oct-17													
Included Included	M M	144 144	Maintenance Expansion  Maintenance Expansion	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included Included	M M	144 144	Maintenance Expansion Maintenance Expansion		Floor Ceiling Space	Concrete Metal Q-Deck	High High	No No	No No	No No	Good Good	No spray-applied insulation.		A-004														
Included Included	M M	144 144	Maintenance Expansion Maintenance Expansion	Ceiling Mechanical	Ceiling Space Duct Work	Spray-Applied Insulation Grey Duct Mastic	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.	Bulk Bulk	A-014 V.S. A-039	13-Oct-17 13-Oct-17													
Included Included	M	144 144	Maintenance Expansion Maintenance Expansion	Miscellaneous	Firestop Caulking	Red Firestop Grey Caulking	High High	No No	Yes Yes	No No	Good	In floor gaps.	Bulk Bulk	V.S. A-016 A-038	13-Oct-17 13-Oct-17													
Included Included Included	M M	145 145 145	Mechanical Office  Mechanical Office  Mechanical Office	Walls Floor Ceiling	Walls Floor Ceiling Space	Cinderblock Vinyl Sheet Flooring Spray-Applied Insulation	High High High	No No No	No Yes Yes	No No No	Good Good Good	Grey, beige and white.	Bulk Bulk	V.S. A-025 A-013	13-Oct-17 13-Oct-17													
Included Included	M	145 146	Mechanical Office Foreman Office	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Cinderblock	High High	No No	Yes No	No No	Good Good	Uninsulated ducting.	Bulk	A-039	13-Oct-17													
Included	М	146	Foreman Office	Walls	Walls	Brick	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083 A-084	13-Oct-17													
Included Included	M	146 146	Foreman Office Foreman Office	Floor Ceiling	Ceiling Space	Vinyl Sheet Flooring Spray-Applied Insulation	High High	No No	Yes Yes	No No	Good	Grey, beige and white.	Bulk Bulk	V.S. A-025 A-012	13-Oct-17 13-Oct-17													
Included Included Included	M M M	146 146 147	Foreman Office Foreman Office Truck Bays	Mechanical Miscellaneous Walls	Duct Work Caulking Walls	Grey Duct Mastic Beige Caulking Cinderblock	High High High	No No No	Yes Yes No	No No No	Good Good Good	Uninsulated ducting. Building caulking.	Bulk Bulk	V.S. A-039 V.S. A-030	13-Oct-17 13-Oct-17													
Included	М	147	Truck Bays	Walls	Walls	Brick	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included Included	M M	147 147	Truck Bays Truck Bays	Floor Ceiling	Floor Ceiling Space	Concrete Metal Q-Deck	High High	No No	No No	No No	Good Good	No spray-applied insulation.																
Included	М	147	Truck Bays	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.	D. II	V 0 4 000	40.0 447													
Included Included Included	M M	147 147 147	Truck Bays Truck Bays Truck Bays	Mechanical Mechanical Windows	Duct Work Duct Work Caulking	Grey Duct Mastic Canvas Wrapped Dark Brown Caulking	High High High	No No No	Yes No Yes	No No	Good Good Good	Uninsulated ducting. Fibreglass insulated. On window frames.	Bulk	V.S. A-039 A-011	13-Oct-17													
Included		148/149/150	Parts Warehouse	Walls	Walls	Cinderblock	High	No	No	No	Good			V.S. A-082, A-083														
Included Included	M	148/149/150 148/149/150	Parts Warehouse Parts Warehouse	Walls Floor	Walls Floor	Brick Concrete	High High	No No	Yes No	No No	Good Good	Brick mortar sampled.	Bulk	A-084	13-Oct-17													
Included Included	M	148/149/150 148/149/150	Parts Warehouse Parts Warehouse	Ceiling Mechanical	Ceiling Space Piping	Metal Q-Deck Metal Pipes	High High	No No	No No	No No	Good	No spray-applied insulation.  Bare or insulated with fibreglass and PVC fittings.																
Included Included	M	148/149/150 148/149/150	Parts Warehouse Parts Warehouse	Mechanical Miscellaneous	Piping Caulking	Insulation Grey Caulking	High High	No No	Yes Yes	No No	Good Good	On pipe fittings.	Bulk Bulk	A-040 V.S. A-041	13-Oct-17 13-Oct-17													
Included Included	M M	151 151	Vehicle Storage Vehicle Storage	Walls Floor	Walls Floor	Cinderblock Concrete	High High	No No	No No	No No	Good Good	y y																
Included Included	M M	151 151	Vehicle Storage Vehicle Storage	Ceiling Mechanical	Ceiling Piping	Concrete Metal Pipes	High High	No No	No No	No No	Good Good	Bare or insulated with fibreglass																
Included	М	151	Vehicle Storage	Mechanical	Piping	Insulation	High	No	Yes	No	Good	and PVC fittings. On pipe fittings.	Bulk	V.S. A-015, A-020, A-040	13-Oct-17													
Included Included	M M	151 152/153	Vehicle Storage Storage	Miscellaneous Walls	Caulking Walls	Grey Caulking Cinderblock	High High	No No	Yes No	No No	Good Good	Building caulking	Bulk	V.S. A-041	13-Oct-17													
Included Included	M M	152/153 152/153	Storage Storage	Floor Ceiling	Floor Ceiling	Concrete Concrete	High High	No No	No No	No No	Good Good																	
Included	М	152/153	Storage	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.		V.C. A 04E A 020														
Included	М	152/153	Storage	Mechanical	Piping	Insulation	High	No	Yes	No	Good	On pipe fittings.  Not sampled as damage to the	Bulk	V.S. A-015, A-020, A-040	13-Oct-17										Inspect and sample			
Included	М	154	Corridor	Doors	Suspect Fire Doors	Suspect Fire Doors	High	Yes	No	Potential	Good	door would affect it's operational requirement.													if scheduled for removal.			
Included Included	M	154 154	Corridor Corridor	Walls Floor	Walls Floor	Cinderblock Concrete	High High	No No	No No	No No	Good Good			V S A 040 A 001														
Included	M M	154 154	Corridor Corridor	Floor Ceiling	Floor Ceiling	Concrete Coating Concrete	High High	No No	Yes No	No No	Good Good		Bulk	V.S. A-018, A-021, A-022	13-Oct-17													
Included Included	M M		Corridor Electrical Room	Mechanical Walls	Duct Work Walls	Grey Duct Mastic Cinderblock	High High	No No	Yes No	No No	Good Good	Uninsulated ducting.	Bulk	V.S. A-039	13-Oct-17													
Included Included	M M	155 155	Electrical Room Electrical Room	Floor Floor	Floor Floor	Concrete Concrete Coating	High High	No No	No Yes	No No	Good Good		Bulk	A-023	13-Oct-17													
Included Included Included	M M M	155 155 155	Electrical Room Electrical Room Electrical Room	Mechanical Miscellaneous	Ceiling Duct Work Firestop	Concrete Canvas Wrapped Red Firestop	High High High	No No No	No No Yes	No No No	Good Good Good		Dulk	V.S. A-016	12 Oct 17													
Included	M	155	Electrical Room	Doors	Suspect Fire	Suspect Fire Doors	High	Yes	No	Potential	Good	Not sampled as damage to the door would affect it's operational	Bulk	V.S. A-010	13-001-17										Inspect and sample if scheduled for			
Included	M	156	Janitor Closet	Walls	Doors Walls	Cinderblock	High	No	No	No	Good	requirement.													removal.			
Included Included	M	156 156	Janitor Closet Janitor Closet	Floor Floor	Floor	Concrete Concrete Coating	High High	No No	No Yes	No No	Good Good		Bulk	V.S. A-018, A-021,	13-Oct-17													
Included	М	156	Janitor Closet	Ceiling	Ceiling	Concrete	High	No	No	No	Good	Bare or insulated with fibreglass		A-022														
Included	M	156	Janitor Closet	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	and PVC fittings.	D. II	V.S. A-015, A-020	12.0-/ 1-													
Included Included	M	156 156	Janitor Closet  Janitor Closet	Mechanical Miscellaneous	Piping Firestop	Insulation Red Firestop	High High	No No	Yes	No No	Good	On pipe fittings.	Bulk Bulk	A-040 V.S. A-016	13-Oct-17													
Included Included	M	157 157	Boiler Room Boiler Room	Walls Floor	Walls Floor	Cinderblock Concrete	High High	No No	No No	No No	Good Good			A 018 A 004 A														
Included	M M	157 157	Boiler Room Boiler Room	Floor Ceiling	Floor Ceiling	Concrete Coating Concrete	High High	No No	Yes No	No No	Good Good		Bulk	A-018, A-021, A- 022	13-Oct-17													
Included Included	M M	157		Mechanical Mechanical	Piping Boiler	Insulation Rope Gasket	High High	No No	Yes Yes	No No	Good Good	On pipe fittings.	Bulk Bulk	A-020 A-019	13-Oct-17 13-Oct-17													
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Included/										Asbestos			Sample	<u> </u>	Sample	Asbestos								Potential for	Recommended			
Excluded Floor		om #	Area Description  Boiler Room	Elements Windows	Subelements		Accessibility			Containing Material?	Condition	Field Notes	Type	Sample ID V.S. A-011	Date	Туре	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Disturbance	Action	Quantity	Photograph ID	Labelling Type
Included M		157 E	Boiler Room	Mechanical	Caulking Duct Work	Dark Brown Caulking Grey Duct Mastic	High High	No No	Yes Yes	No No	Good	On window frames. Uninsulated ducting.		V.S. A-011 V.S. A-039	13-Oct-17 13-Oct-17													
Included M	15	157 E	Boiler Room	Electrical	Electrical Panels and Components	Electrical Panels and Components	High	Yes	No	Potential	Good	Not sampled due to safety concerns.													Inspect and sample if scheduled for removal.			
Included M	15	157 E	Boiler Room	Doors	Suspect Fire Doors	Suspect Fire Doors	High	Yes	No	Potential	Good	Not sampled as damage to the door would affect it's operational requirement.													Inspect and sample if scheduled for removal.			
Included M			Janitor Closet	Walls		Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	13-Oct-17													
Included M Included M			Janitor Closet Janitor Closet	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included M	15	159 J	Janitor Closet	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.	Bulk	A-084 A-025 V.S. A-027, A-028,	13-Oct-17													
Included M Included M	.,	159 J	Janitor Closet Women's Washroom	Ceiling Walls	Ceiling Walls	Drywall Drywall	High High	No No	Yes Yes	No No	Good		Bulk Bulk	A-029, A-053 A-031	13-Oct-17 13-Oct-17													
Included M Included M	16		Women's Washroom Women's Washroom	Walls	Walls	Brick Vinyl Sheet Flooring	High High	No No	Yes Yes	No No	Good	Brick mortar sampled.  Grey, beige and white.	Bulk Bulk	V.S. A-082, A-083, A-084 V.S. A-025														
Included M			Women's Washroom	Ceiling	Ceiling	Drywall	High	No	Yes	No	Good	7,	Bulk	V.S. A-027, A-028, A-029, A-053														
Included M Included M	16	160 V	Women's Washroom Men's Washroom	Miscellaneous Walls	Caulking Walls	Beige Caulking Drywall	High High	No No	Yes Yes	No No	Good Good	Building caulking.	Bulk Bulk	V.S. A-030 A-026	13-Oct-17 13-Oct-17													
Included M Included M			Men's Washroom Men's Washroom	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included M Included M			Men's Washroom	Floor	Floor	Vinyl Sheet Flooring	High	No No	Yes	No	Good	Grey, beige and white.	Bulk	V.S. A-025 V.S. A-027, A-028,	13-Oct-17													
Included M	16	161 N	Men's Washroom Men's Washroom	Ceiling Miscellaneous	Ceiling Caulking	Drywall Beige Caulking	High High	No No	Yes Yes	No No	Good	Building caulking.	Bulk Bulk	A-029, A-053 A-030	13-Oct-17 13-Oct-17													
Included M Included M		162 V	Wash Bay Wash Bay	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included M Included M			Wash Bay Wash Bay	Floor Ceiling	Floor Ceiling Space	Concrete Metal Q-Deck	High High	No No	No No	No No	Good	No spray-applied insulation.		A-004														
Included M Included M	16	162 V	Wash Bay Wash Bay	Mechanical Mechanical		Bare Duct Canvas Wrapped	High High	No No	No No	No No	Good Good	Fibreglass insulated.																
Included M Included M			Building and Grounds Building and Grounds	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083,	13-Oct-17													
Included M	16	163 E	Building and Grounds	Floor	Floor	Concrete	High	No	No	No	Good		Buik	A-084	10 000 11													
Included M Included M			Building and Grounds Building and Grounds	Ceiling Mechanical	Ceiling Space Piping	Metal Pipes	High High	No No	No No	No No	Good	No spray-applied insulation.  Bare or insulated with fibreglass and PVC fittings.																
Included M Included M		163 E	Building and Grounds Building and Grounds	Mechanical Mechanical	Duct Work Duct Work	Grey Duct Mastic Canvas Wrapped	High High	No No	No No	No No	Good Good	Uninsulated ducting. Fibreglass insulated.																
Included M Included M		164 S	Shop/Oil Storage Shop/Oil Storage	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083,	13-Oct-17													
Included M	16	164	Shop/Oil Storage	Floor	Floor	Concrete	High	No	No	No	Good		Buik	A-084	10-000-17													
Included M Included M		164 S	Shop/Oil Storage Shop/Oil Storage	Ceiling Mechanical	Ceiling Space Piping	Metal Q-Deck Metal Pipes	High High	No No	No No	No No	Good	No spray-applied insulation.  Bare or insulated with fibreglass and PVC fittings.																
Included M Included M		164 S	Shop/Oil Storage Shop/Oil Storage	Mechanical Miscellaneous	Duct Work Caulking	Grey Duct Mastic Grey Caulking	High High	No No	Yes Yes	No No	Good Good	Uninsulated ducting.  Building caulking	Bulk Bulk	V.S. A-039 A-041	13-Oct-17 13-Oct-17													
Included M	16	165 \	Vestibule	Walls	Walls	Drywall	High	No	Yes	No	Good	, ,	Bulk	V.S. A-027, A-028, A-029, A-053														
Included M Included M		165 \ 165 \	Vestibule Vestibule	Walls Walls	Walls Walls	Cinderblock Brick	High High	No No	No Yes	No No	Good	Brick mortar sampled.	Bulk	V.S. A-082, A-083, A-084	13-Oct-17													
Included M	16	165 \	Vestibule	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey, beige and white.  Date coded to a time period	Bulk		13-Oct-17													
Included M	16	165 \	Vestibule	Ceiling	_	2' x 4' Ceiling Tile	High	No	No	No	Good	where asbestos use was not widespread.																
Included M Included M		165 \ 165 \	Vestibule Vestibule	Ceiling Mechanical		Metal Q-Deck Metal Pipes	High High	No No	No No	No No	Good	No spray-applied insulation.  Bare or insulated with fibreglass																
Included M	16	165 \		Miscellaneous	Caulking	Beige Caulking	High	No	Yes	No	Good	and PVC fittings. Building caulking.	Bulk	V.S. A-030 V.S. A-027, A-028, A-029, A-053	13-Oct-17													
Included S		T-1 S	Stairwell Stairwell	Walls Walls	Walls Walls	Drywall Cinderblock	High High	No No	Yes No	No No	Good		Bulk	A-029, A-053	13-Oct-17													
Included S Included S	ST	T-1 S		Walls Floor	Walls Floor	Concrete Vinyl Sheet Flooring	High High	No No	No Yes	No No	Good Good	Grey, beige and white.	Bulk	V.S. A-025	13-Oct-17													
Included S Included S	ST ST	T-1 5	Stairwell Stairwell	Floor Floor	Floor Floor	Vinyl Floor Tiles Trim	High High	No No	Yes Yes	No No	Good Good	Grey. Brown.	Bulk Bulk	A-055 A-056	13-Oct-17 13-Oct-17													
Included S Included S			Stairwell Stairwell	Floor	Floor	Concrete Concrete Coating	High High	No No	No Yes	No No	Good		Bulk	A-059, A-060, A-	13-Oct-17													
Included S				Ceiling		2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not		061														
Included S Included S		T-1 5	Stairwell Stairwell	Ceiling Ceiling	Ceiling Space	Concrete  Drywall	High	No No	No Yes	No No	Good	widespread.	Bulk	V.S. A-027, A-028, A-029, A-053	12 Oct 17													
Included S	_		Stairwell	Walls		Drywall	High High	No	Yes	No	Good		Bulk	V.S. A-027, A-028,	13-Oct-17													
Included S Included S	ST			Walls Floor	Walls	Cinderblock Vinyl Floor Tiles	High	No No	No Yes	No No	Good Good	Cray		A-029, A-053 V.S. A-033, A-055														
Included S Included S	ST		Stairwell Stairwell	Floor Floor	Floor Floor Floor	Trim Concrete	High High High	No No	Yes No	No No	Good	Grey. Brown.	Bulk	V.S. A-056	13-Oct-17													
Included S			Stairwell	Floor	Floor	Concrete Coating	High	No	Yes	No	Good		Bulk	V.S. A-018, A-021, A-022	13-Oct-17													
Included S			Stairwell	Ceiling	_	2' x 4' Ceiling Tile	High	No	No	No	Good	Date coded to a time period where asbestos use was not widespread.																
Included S Included S		T-2 5	Stairwell Stairwell	Ceiling Ceiling	Ceiling Ceiling	Concrete Texture	High High	No No	No Yes	No No	Good		Bulk	V.S. A-062, A-063, A-064, A-065, A-														
Included S		T-2 S	Stairwell	Ceiling		Metal Q-Deck	High	No	No	No	Good			066														
Included S			Stairwell Stairwell	Mechanical Windows		Metal Pipes  Dark Brown Caulking	High High	No No	No Yes	No No	Good Good	Bare or insulated with fibreglass and PVC fittings. On window frames.		V.S. A-011	13-Oct-17													
Included S Included S	ST	T-3	Stairwell	Walls Floor	Walls Floor	Cinderblock Concrete	High High	No No	No No	No No	Good	On window fidities.	Duik	V.O. A-011	10-000-17													
	ST	T-3	Stairwell	Floor Ceiling	Floor Ceiling	Concrete Coating Concrete	High High	No No	Yes No	No No	Good		Bulk	A-024	13-Oct-17													
oracca 3	31			19	, 50 ig		i iigii	110	.10	140	. 5550	1																

Included/ Excluded	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	y Suspect?	? Sampled?	Asbestos Containing Material?	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
Included	s	ST-3	Stairwell	Mechanical	Piping	Insulation	High	No	Yes	No	Good	On pipe fittings.	Bulk	V.S. A-015, A-020, A-040	13-Oct-17													
Included	S	ST-4	Stairwell	Walls	Walls	Cinderblock	High	No	No	No	Good																	
Included	S	ST-4	Stairwell	Floor	Floor	Vinyl Sheet Flooring	High	No	Yes	No	Good	Grey and white.	Bulk	A-032	13-Oct-17													
Included	S			Floor	Floor	Vinyl Floor Tiles	High	No	Yes	No	Good	Grey.	Bulk	A-033	13-Oct-17													
Included	S	ST-4	Stairwell	Floor	Floor	Trim	High	No	Yes	No	Good	Grey and white smears.	Bulk	A-034	13-Oct-17													
Included	s	ST-4	Stairwell	Ceiling	Ceiling	2' x 2' Ceiling Tile	High	No	Yes	No	Good	Random fissures.	Bulk	A-035, A-036, A- 037	13-Oct-17													
Included	S	ST-4	Stairwell	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good																	
Included	S	ST-4	Stairwell	Miscellaneous	Caulking	Dark Brown Caulking	High	No	Yes	No	Good	On door frame.	Bulk	V.S. A-011	14-Oct-17													
Included	s	ST-5	Stairwell	Walls	Walls	Drywall	High	No	Yes	No	Good		Bulk	V.S. A-027, A-028, A-029, A-053	14-Oct-17													
Included	S	ST-5	Stairwell	Walls	Walls	Cinderblock	High	No	No	No	Good																	
Included	S	ST-5	Stairwell	Walls	Walls	Concrete	High	No	No	No	Good																	
Included	S	ST-5	Stairwell	Floor	Floor	Concrete	High	No	No	No	Good																	
Included	S	ST-5	Stairwell	Ceiling	Ceiling Space	Metal Q-Deck	High	No	No	No	Good																	
Included	S	ST-5	Stairwell	Mechanical	Piping	Metal Pipes	High	No	No	No	Good	Bare or insulated with fibreglass and PVC fittings.	i															
Included	S	ST-5	Stairwell	Miscellaneous	Caulking	Beige Caulking	High	No	Yes	No	Good	Building caulking.	Bulk	V.S. A-030	14-Oct-17													
Included	S	ST-5	Stairwell	Miscellaneous	Caulking	Grey Caulking	High	No	Yes	No	Good	Building caulking	Bulk	V.S. A-041	14-Oct-17													
Included	S	ST-5	Stairwell	Miscellaneous	Firestop	Red Firestop	High	No	Yes	No	Good		Bulk	V.S. A-016	14-Oct-17													
Included	Е	Exterior	Exterior	Walls	Walls	Brick (Original Building)	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	A-082, A-083, A- 084	14-Oct-17													
Included	Е	Exterior	Exterior	Walls	Walls	Brick (2015 Addition)	High	No	Yes	No	Good	Brick mortar sampled.	Bulk	A-073, A-075, A- 076, A-077	14-Oct-17													
Included	Е	Exterior	Exterior	Windows	Caulking	Dark Brown Caulking (Original Building)	High	No	Yes	No	Good	On window frames.	Bulk	A-078	14-Oct-17													
Included	E	Exterior	Exterior	Windows	Caulking	Black Window Caulking (Original Building)	High	No	Yes	No	Good	On window panes.	Bulk	A-079	14-Oct-17													
Included	E	Exterior	Exterior	Windows	Caulking	Black Window Caulking	High	No	Yes	No	Good	On window panes.	Bulk	A-081	14-Oct-17													
Included	E	Exterior	Exterior	Windows	Caulking	Dark Brown Caulking (201 Addition)	15 High	No	Yes	No	Good	On window frames.	Bulk	A-071	14-Oct-17													
Included	E	Exterior	Exterior	Windows	Caulking	Black Window Caulking (2015 Building)	High	No	Yes	No	Good	On window panes.	Bulk	A-072	14-Oct-17													
Included	E	Exterior	Exterior	Miscellaneous	Caulking	Grey Caulking (Original Building)	High	No	Yes	No	Good	Building caulking	Bulk	A-080	14-Oct-17													
Included	Е	Exterior	Exterior	Miscellaneous	Caulking	Grey Caulking (2015 Addition)	High	No	Yes	No	Good	Building caulking	Bulk	A-074	14-Oct-17													
Included	Е	Exterior	Exterior	Miscellaneous	Firestop	Grey Putty	High	No	Yes	No	Good		Bulk	A-085	14-Oct-17													
Excluded	Е	Exterior	Roof	Exterior Roof	Exterior Roof							Not assessed due to scope of work.																
Excluded	В	B08	N/A	Entire Room	Entire Room	N/A	N/A	N/A	N/A	N/A	N/A	Access to area was not provided.																
Excluded	В	B16	Crawl Space	Crawl Space	Crawl Space							Not assessed due to scope of work.																
Excluded	М	158	N/A	Entire Room	Entire Room		N/A	N/A	N/A	N/A	N/A	Access to area was not																
												provided.																

# **APPENDIX D**

Floor Plans





#### NOTE(S)

1. ASBESTOS IS A CARCINOGEN. DO NOT BREATHE ASBESTOS DUST.

#### REFERENCE(S)

PLAN OBTAINED FROM INFRASTRUCTURE SERVICES DEPARTMENT CITY OF SASKATOON. DATED: 17/11/2016



CONSULTANT



YYYY-MM-DD	2017-11-23
DESIGNED	КН
PREPARED	VI
REVIEWED	КН
APPROVED	AG

### SCHEMATIC ONLY, NOT TO SCALE

PROJECT

ASBESTOS ASSESSMENT

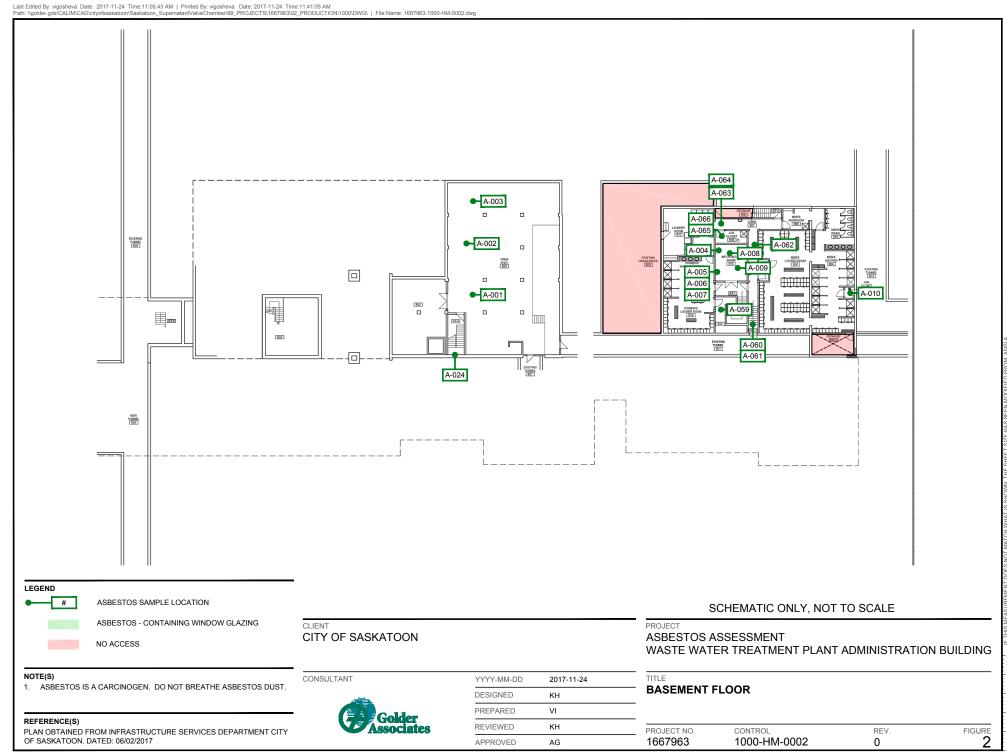
WASTE WATER TREATMENT PLANT ADMINISTRATION BUILDING

TITLE

**MAIN FLOOR** 

PROJECT NO.	CONTROL	REV.	FIGURE
1667963	1000-HM-0001	0	1

mm IFIHIS MEASOREMENT DOES NOT MATCH WH



As a global, employee-owned organisation with over 50 years of experience, Golder Associates is driven by our purpose to engineer earth's development while preserving earth's integrity. We deliver solutions that help our clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in our specialist areas of earth, environment and energy.

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# Bersch Consulting Ltd.

August 29, 2019

City of Saskatoon Saskatoon Wastewater Treatment 1030 Ave H S Saskatoon, SK S7M 1X5

**ATTENTION: John Lacny** 

### SUBJECT: Bulk Sample Analysis Report – Wastewater Treatment Plant

Please find attached the laboratory results for the bulk samples collected on August 23, 2019 from the Wastewater Treatment Plant located at 470 Whiteswan Drive, Saskatoon, Saskatchewan. The samples were analyzed for the identification of asbestos. Asbestos <u>was not</u> detected within the samples.

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

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

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

Sincerely,

Tyneal Knackstedt Bersch Consulting Ltd. B67BLH23I - WWTP

# **Bersch Consulting Ltd.**

## **Bulk Sample Analysis Report**

August 29, 2019

**Project Number: B67.19** 

**Client: City of Saskatoon** 

**Contact: John Lacny** 

**Location: Wastewater Treatment Plant** 

File Number: B67BAH23I

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2019/08/23	Concrete	Digester Building Basement west wall.	No asbestos detected.		EMSL/WB
2	2019/08/23	Concrete	Digester Building Basement south wall.	No asbestos detected.		EMSL/WB
3	2019/08/23	Concrete	Digester Building Northwest corner. Block wall.	No asbestos detected.		EMSL/WB

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



## PRE-RENOVATION ASSESSMENT

February 26, 2018

**CLIENT:** Saskatoon Water

City of Saskatoon 1030 Avenue H South Saskatoon, SK S7M 1X5

**ATTENTION: Syed Naqvi** 

PROJECT: Waste Water Treatment Plant- A504 Crawlspace- Asbestos Investigation

FILE NUMBER: B67PRB21H

Brad Berschiminsky and Evan Westad of Bersch Consulting Ltd. conducted a site visit on February 21, 2018 to the Waste Water Treatment Plant located at 470 Whiteswan Drive, Saskatoon, Saskatchewan. The purpose of the visit was to investigate and collect bulk samples to determine the presence/absence of asbestos. No bulk samples were collected.

### SITE OBSERVATION AND INFORMATION:

The scope of this PRA was to investigate the A504 crawlspace and collect samples in order to determine the presence/absence of asbestos in any suspect materials. The crawlspace was constructed in 1990. Upon investigation it was noted that all insulated water lines consist of fiberglass insulation and foil tape. The lineal fiberglass is 45° at the elbows or wrapped in fiberglass and covered with a PVC elbow. One PVC drainpipe ran the length of the crawlspace. Walls throughout the area are finished with gypsum board with no drywall mud compound. The exterior foundation walls are insulated with Styrofoam, with fiberglass along the upper portion of the wall. Some pipe penetrations are insulated with fiberglass insulation while others are void of any insulation. The floor of the crawlspace is a poured in place, rough finished slab with the exception of the south end which is the existing tunnel roof. The ceiling of the area is a poured in place structural concrete slab. No asbestos concerns were noted in the area.

If any questions arise on the results of the attached information, please contact me at 306.222.7477 or our office at 306.978.6665. Thank you for this opportunity of service.

Sincerely,

Brad Berschiminsky Bersch Consulting Ltd.

File No.: B67PRB21H - WWTP- A504 Crawlspace

### **SITE PHOTOS**

PHOTO 1 – Fiberglass Lineal Pipe Insulation w Fiberglass Elbow in Foil Wrap



PHOTO 2 – Fiberglass Lineal Pipe Insulation & PVC Drainpipe





PHOTO 3 – Fiberglass Lineal Pipe Insulation & PVC Drainpipe

Photo 4- Glycol Heating Lines -Fiberglass Insulation- Adj. Supply Air Duct

