



# Les rapports sur les substances désignées : interpréter les données

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Dernière révision : 23 Janvier 2023

# Que sont les substances désignées?

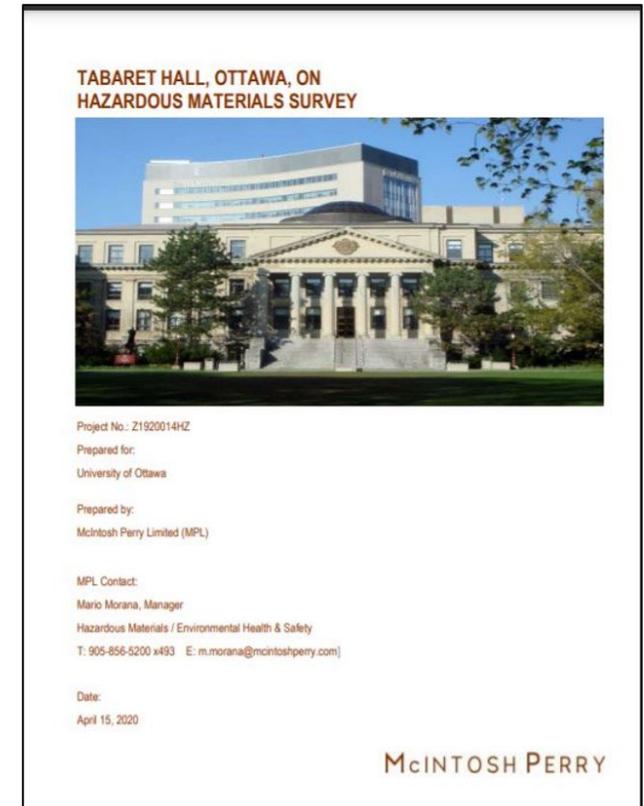
- **Acrylonitrile** (plastiques, caoutchoucs)
- **Arsenic** (dépôts de déchets dangereux)
- **Amiante** (couramment utilisé dans les matériaux de construction)
- **Benzène** (plastiques, détergents, pesticides)
- **Fumées de four à coke** (industries de l'aluminium et de l'acier)
- **Oxyde d'éthylène** (éthylène glycol)
- **Isocyanates** (peinture, industrie des mousses)
- **Plomb** (peinture, raccords de tuyauterie)
- **Mercure** (thermomètres, tubes fluorescents)
- **Chlorure de vinyle** (tuyaux en PVC, plastiques durs)
- **Silice** (béton, ciment)

*Toutes ces substances désignées peuvent être présentes sur le campus, mais les substances en rouge sont celles que les travailleuses et travailleurs sont le plus susceptibles de rencontrer.*

[uOttawa Designated  
Substance reports](#)

# Qu'est-ce qu'un rapport sur les substances désignées (RSD)?

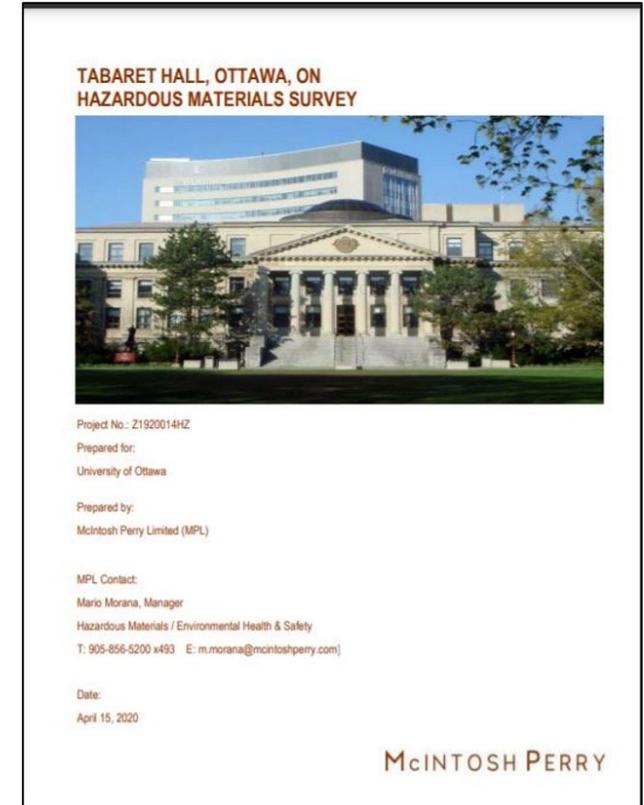
- Établit la présence de substances dangereuses à l'Université d'Ottawa
- Résultats confirmés par des analyses d'un laboratoire indépendant
- Contient un résumé et quatre sections:
  1. Introduction
  2. Description des lieux
  3. Résultats et recommandations
  4. Observations d'ordre général et restrictions



# Qu'est-ce qu'un rapport sur les substances désignées (RSD)?

Les prochaines diapositives expliqueront plus en détails les 4 différentes sections dans le rapport. Il est fortement recommandé d'ouvrir un rapport de substances désignées pour aider à suivre et comme guide de référence.

Tous les rapports de substances désignées peuvent être accédés ici: [Rapports \(en Anglais\)](#)



# Résumé

Tabaret Hall, Ottawa, ON  
Hazardous Materials Survey 21920014H2

### EXECUTIVE SUMMARY

McIntosh Perry Limited (MPL) was retained by the University of Ottawa, to complete a hazardous materials survey for Tabaret Hall located at 75 Laurier Avenue, Ottawa, Ontario. The survey was conducted from August 22<sup>nd</sup> to 30<sup>th</sup>, 2019.

The purpose of the survey was to determine the presence of building materials containing Designated Substances and other hazardous materials, as defined under the Ontario Occupational Health and Safety Act. Designated Substances are eleven chemical agents prescribed under Ontario Regulation 490/09. In addition, a visual assessment was conducted for the presence of polychlorinated biphenyls (PCBs), radioactive materials, ozone depleting substances (ODSs), other halocarbons and mould.

Based on the assessment conducted by MPL, the following ACMs were identified or suspected to be present in the building:

**Table A: Summary of Asbestos-Containing Materials Identified**

Material Description	Friable?	Location	Type of Asbestos
Drywall Joint Compound	-	Throughout Building	Chrysotile
Plaster	Yes	Throughout Building	Chrysotile
Texture Coat	Yes	Specific Area Only	Chrysotile
Mechanical Pipe Insulation	Yes	Specific Areas Only	Chrysotile
Vinyl Floor Tiles	No	Specific Areas Only	Chrysotile
Ceiling Tiles	-	Specific Areas Only	Chrysotile
Caulking & Glazing	No	Throughout Building	Chrysotile
Brick Mortar	No	Specific Areas Only	Chrysotile
Loose Fill Insulation	Yes	Specific Areas Only	Actinolite
Fire doors	No	Throughout Building	Suspected
Roofing Materials	-	Roof	Suspected

Note: Please refer to the complete report for specific details and recommendations.

All repairs or removal of asbestos-containing materials must be conducted according to Ontario Regulation 278/05, Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations - made under the Occupational Health and Safety Act. Asbestos containing waste must also be handled and disposed of according to Ontario Regulation 347/90 as amended - made under the Environmental Protection Act. Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain asbestos until proven otherwise by analytical testing.

Sub-trades working with or in close proximity to asbestos-containing material should be informed of its presence.

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Résumé global (peu détaillé) des résultats. Très utile pour repérer rapidement les matériaux qui contiennent de l'amiante (MCA) présents dans le bâtiment.

Intérêt pour les travailleuses et travailleurs : **ÉLEVÉ**

Tabaret Hall, Ottawa, ON  
Hazardous Materials Survey 21920014H2

Given that asbestos containing materials (ACMs) have been identified and will likely remain in place, an Asbestos Management Plan (AMP) is therefore required and an inventory of ACMs must be kept on site. All ACMs must be routinely inspected to ensure no damage has occurred, and the inventory must be updated once in each 12-month period and as may be required based on expected changing site conditions, abatement and/or renovation activities.

Based on the assessment conducted by MPL, the following Designated Substances and Hazardous Materials were identified or suspected to be present in the building:

**Table B: Summary of Designated Substances & Hazardous Materials Identified**

Material Description	Location
Lead Paint	Specific Areas Only
Lead Acid Batteries	Throughout Building
Mercury Vapour	Throughout Building
Ozone Depleted Substances	Specific Areas Only
Silica	Throughout Building
Mould	Specific Areas Only

Note: Please refer to the complete report for specific details and recommendations.

Designated Substances are regulated under Ontario Regulation 490/09 - Designated Substances, made under the Ontario Health and Safety Act, which applies to controlling designated substances in the workplace.

In addition to Ontario Regulation 490/09, the following guidelines must also be adhered to when conducting work activities that involve disturbance of the above-mentioned materials:

- Guideline: Lead on Construction Projects, issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour
- Guideline: Silica on Construction Projects issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour.
- Environmental Abatement Council of Ontario (EACO) Mould Abatement Guidelines.

Prior to any renovations or demolition activities within building, designated substances and hazardous materials must be decommissioned by a licensed contractor such that they are contained and not released to the environment during decommissioning as per O. Reg. 347/09- made under the Environmental Protection Act.

Any suspect building materials encountered that were not assessed as part of this survey, should be assumed to contain designated substances or hazardous materials until proven otherwise by analytical testing.

# Résumé (suite)

La colonne « Emplacement » (*Location*) peut contenir les valeurs suivantes :

Table A: Summary of Asbestos-Containing Materials Identified

Material Description	Friable?	Location	Type of Asbestos
Drywall Joint Compound	-	Throughout Building	Chrysotile
Plaster	Yes	Throughout Building	Chrysotile
Texture Coat	Yes	Specific Area Only	Chrysotile
Mechanical Pipe Insulation	Yes	Specific Areas Only	Chrysotile
Vinyl Floor Tiles	No	Specific Areas Only	Chrysotile
Ceiling Tiles	-	Specific Areas Only	Chrysotile
Caulking & Glazing	No	Throughout Building	Chrysotile
Brick Mortar	No	Specific Areas Only	Chrysotile
Loose Fill Insulation	Yes	Specific Areas Only	Actinolite
Fire doors	No	Throughout Building	Suspected
Roofing Materials	-	Roof	Suspected

Note: Please refer to the complete report for specific details and recommendations.

## 1. Tout le bâtiment (Throughout Building)

Les analyses ont révélé que la substance désignée (amiante) est présente dans ce matériau dans tout le bâtiment. Il faut donc TOUJOURS appliquer les précautions relatives aux substances désignées lorsqu'on travaille avec ces matériaux.

## 2. Certaines zones (Specific Areas Only)

Certains des échantillons analysés contiennent la substance désignée (amiante), mais d'autres n'en contiennent pas (p. ex. type ou couleur de couvre-plancher en vinyle composite). Lorsque le matériau est présent sur les lieux, des analyses de ces matériaux doivent être faites AVANT l'exécution des travaux. Si le temps manque, il FAUT supposer que les matériaux visés contiennent la substance désignée (amiante) et agir en conséquence.

# Partie 1: Introduction

Dans cette partie, on présente les caractéristiques du projet et la portée des travaux. On explique les techniques de prélèvement des échantillons, et on indique que les données d'une enquête sur les matières dangereuses précédente ont été utilisées. Cette partie ne contient pas d'information importante sur la présence de MCA.

Intérêt pour les travailleuses et  
travailleurs : **FAIBLE**

**McINTOSH PERRY**

December 20, 2019

**University of Ottawa**  
141 Louis-Pasteur Private  
Ottawa, Ontario  
K1N 1E3

via email: [martine.bergeron@uottawa.ca](mailto:martine.bergeron@uottawa.ca)

Attention: Martine Bergeron, Facilities Health and Safety Officer

Re: Tabaret Hall, 75 Laurier Avenue, Ottawa, Ontario  
Hazardous Materials Survey  
McIntosh Perry Limited Reference No. Z1920014HZ

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**1.0 INTRODUCTION**

In accordance with your instructions, McIntosh Perry Limited (MPL) carried out a Hazardous Materials Survey at Tabaret Hall, the institutional building located at 75 Laurier Avenue, Ottawa, Ontario. The site is situated on the northwest corner of the intersection of Cumberland Street and Laurier Avenue. The survey of the building was conducted from August 22nd to 30th, 2019.

The purpose of the survey was to determine the presence of building materials containing Designated Substances and other hazardous materials, as defined under the Ontario Occupational Health and Safety Act. Designated Substances are eleven chemical agents prescribed under Ontario Regulation 490/09. In addition, a visual assessment was conducted for the presence of polychlorinated biphenyls (PCBs), radioactive materials, ozone depleting substances (ODSs), other halocarbons and mould.

MPL completed the following,

- Visual review of the building to identify materials which could contain Designated Substances and hazardous materials;
- Bulk sampling and analysis of building materials suspected of containing asbestos (if required);
- Bulk sampling and analysis of representative paints and finishes suspected of containing lead (if required);
- Review of previously completed Hazardous Materials Survey(s) and historical building record(s); and,
- Recommendations for appropriate action where required.

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# Partie 2: Description des lieux

Cette partie contient une description générale du bâtiment inspecté. Elle comprend des renseignements comme :

- L'année de construction
- Les principaux matériaux utilisés dans l'ensemble du bâtiment
- L'utilisation des locaux

Intérêt pour les travailleuses et travailleurs : **FAIBLE**

Tabaret Hall, Ottawa, ON  
Hazardous Materials Survey

Z1920014HZ

## 2.0 PROPERTY DESCRIPTION

The subject building is a five (5) storey university building which contains lecture halls, lab spaces and University's central administration offices. The subject building was observed to be constructed with reinforced concrete; supported by steel trusses, beams and columns between 1905 and 1931. The interior walls were observed to be gypsum wallboard, plaster and concrete block. Within the subject building, ceilings were observed to be suspended ceiling tiles, plaster with select areas containing gypsum wallboard. The floors were generally polished concrete with the exception of select units containing vinyl floor tiles and carpet.

# Partie 3: Résultats et recommandations

C'est la partie principale du rapport. Elle contient les résultats, positifs ou négatifs, des analyses des échantillons de matériaux prélevés. L'entreprise engagée devrait avoir prélevé des échantillons de tous les types de matériaux. Par exemple, un résultat est positif si la concentration d'amiante atteint la limite légale de 0,5 % (conformément au [Règl. de l'Ont. 278/05](#)). Il importe de savoir qu'il s'agit de prélèvements « non destructeurs », ce qui signifie que les échantillons ont été prélevés à la surface des matériaux. Les matériaux qui se trouveraient derrière le matériau de surface ne sont pas couverts par le rapport.

Intérêt pour les travailleuses et travailleurs : **MOYEN**

## 3.0 FINDINGS & RECOMMENDATIONS

### Designated Substances

#### 3.1 Asbestos

##### Findings

A total of one hundred and seventy (170) bulk samples were collected during the survey and sent to an accredited laboratory for analysis. A summary of potential asbestos-containing samples collected along with the sample location, type and friability are presented in Table 1.

Laboratory certificates of analysis for asbestos are included in Appendix C.

Table 1:  
Asbestos Laboratory Results

Sample ID	Location	Material	Type and Content	Friability
BS 4.1	Room M153	VFT-12"x12" Off White w/ Blue Flakes	None Detected	N/A
BS 4.2	Room M153	VFT-12"x12" Off White w/ Blue Flakes Mastic (Yellow)	None Detected	N/A
BS 4.3	Room M153	VFT-12"x12" Off White w/ Blue Flakes	None Detected	N/A
BS 5.1	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes Mastic (Yellow)	None Detected	N/A
BS 5.2	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes Mastic (Yellow)	None Detected	N/A
BS 5.3	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes Mastic (Yellow)	None Detected	N/A
BS 6.1	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes Mastic (Brown)	None Detected	N/A
BS 6.2	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes Mastic (Brown)	None Detected	N/A
BS 6.3	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes	None Detected	N/A
BS 7.1	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.2	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.3	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 8.1	Room M386	Interior Window Caulking (Black)	1% Chrysotile	Non-Friable
BS 8.2	Room M386	Interior Window Caulking (Black)	Stop Positive	Non-Friable
BS 8.3	Room M386	Interior Window Caulking (Black)	Stop Positive	Non-Friable
BS 9.1	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.2	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.3	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks Mastic (Black)	None Detected	N/A
BS 10.1	Room N009	VFT-12"x12" Brown w/ White Streaks Mastic (Black)	None Detected	N/A
BS 10.2	Room N009	VFT-12"x12" Brown w/ White Streaks Mastic (Black)	None Detected	N/A
BS 10.3	Room N009	VFT-12"x12" Brown w/ White Streaks Mastic (Black)	None Detected	N/A
BS 11.1	Room N002C	Concrete Block Mortar	None Detected	N/A

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# Partie 3: Résultats et recommandations (suite)

Tabaret Hall, Ottawa, ON  
Hazardous Materials Survey

Z1920014HZ

Sample ID	Location	Material	Type and Content	Friability
BS 4.1	Room M153	VFT-12"x12" Off White w/ Blue Flakes	None Detected	N/A
BS 4.2	Room M153	VFT-12"x12" Off White w/ Blue Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 4.3	Room M153	VFT-12"x12" Off White w/ Blue Flakes	None Detected	N/A
BS 5.1	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 5.2	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 5.3	Room C111	VFT-12"x12" Brown w/ Multicolour Flakes	None Detected	N/A
		Mastic (Yellow)	None Detected	N/A
BS 6.1	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes	None Detected	N/A
		Mastic (Brown)	None Detected	N/A
BS 6.2	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes	None Detected	N/A
		Mastic (Brown)	None Detected	N/A
BS 6.3	Room M155	VFT-12"x12" Light Blue w/ Grey Flakes	None Detected	N/A
BS 7.1	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.2	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 7.3	Room M418	VFT-12"x12" Beige Camo w/ Grey Streaks	None Detected	N/A
BS 8.1	Room M386	Interior Window Caulking (Black)	1% Chrysotile	Non-Friable
BS 8.2	Room M386	Interior Window Caulking (Black)	Stop Positive	Non-Friable
BS 8.3	Room M386	Interior Window Caulking (Black)	Stop Positive	Non-Friable
BS 9.1	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.2	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks	None Detected	N/A
BS 9.3	Room N0122B	VFT-12"x12" Off White w/ Small Grey Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.1	Room N009	VFT-12"x12" Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.2	Room N009	VFT-12"x12" Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 10.3	Room N009	VFT-12"x12" Brown w/ White Streaks	None Detected	N/A
		Mastic (Black)	None Detected	N/A
BS 11.1	Room N002C	Concrete Block Mortar	None Detected	N/A

Analyse avec arrêt au premier positif (*Positive Stop Analysis*) : L'analyse est faite sur plusieurs échantillons de matériaux similaires et prend fin au premier résultat positif (lorsque de l'amiante est détecté).

Cette mention indique que le matériau **CONTIENT** de l'amiante.

Par exemple, ici, tout le matériau de calfeutrage noir du pavillon Tabaret doit être considéré comme un matériau contenant de l'amiante.

# Partie 3: Résultats et recommandations (suite)

Hazardous Materials Survey  
133-135 Seraphin Marion (Academic Hall), Ottawa, ON

Z1021101HZ

contains 2% Chrysotile asbestos. This material is considered to be non-friable and was observed in poor condition.

- Vinyl floor tiles (12" x 12" – Brown with White and Brown Streaks) were observed in Room 107. The laboratory analytical results of vinyl floor tile samples collected from Room 107 indicate that this material contains 1% Chrysotile asbestos. This material is considered to be non-friable and was observed in fair condition.
- Vinyl floor tiles (12" x 12" – Light Brown with Black and Grey Streaks) were observed in Room 017. The laboratory analytical results of vinyl floor tile samples collected from Room 017 indicate that this material contains 2% Chrysotile asbestos. This material is considered to be non-friable and was observed in good condition. The associated mastic (black) and leveller was found not to contain asbestos.
- Vinyl floor tiles (12" x 12" – Light Grey with Grey Streaks) were observed in Room 017. The laboratory analytical results of vinyl floor tile samples collected from Room 017 indicate that this material contains 1% asbestos. This material is considered to be non-friable and was observed in good condition. The associated mastic (Black) was found not to contain asbestos.
- Vinyl floor tiles (12" x 12" – Dark Grey with White and Grey Streaks) were observed in Room 017. The laboratory analytical results of vinyl floor tile samples collected from Room 017 indicate that this material contains 1% Chrysotile asbestos. This material is considered to be non-friable and was observed in good condition. This material is considered to be non-friable and was observed in good condition. The associated mastic (black) was found not to contain asbestos.
- Vinyl floor tiles (12" x 12" – Beige with White Streaks) were observed in Room 106. The laboratory analytical results of vinyl floor tile samples collected from Room 106 indicate that this material contains 1% Chrysotile asbestos. This material is considered to be non-friable and was observed in poor condition. The associated mastic (black) was found not to contain asbestos.
- Vinyl floor tiles (12" x 12" - Grey with White and Grey Streaks) were observed in Room 301. The laboratory analytical results of the vinyl floor tile samples collected from Room 301 indicate that this material does not contain asbestos.
- Vinyl floor tiles (12" x 12" - Brown with White and Black Streaks) were observed in Room 301. The laboratory analytical results of the vinyl floor tile samples collected from Room 301 indicate that this material does not contain asbestos. The associated mastic (black/yellow) was found not to contain asbestos.

La dernière section de la partie 3 contient plus de détails sur les substances désignées. C'est ici qu'on trouve de l'information sur une substance désignée, comme la pièce dans laquelle l'échantillon a été prélevé et les résultats de l'analyse.

Chaque paragraphe est un résumé de l'information qui figure dans le RSD. Cette dernière section contient de l'information utile et des détails sur chaque MCA. Elle couvre tous les matériaux analysés (résultats positifs ou négatifs) et donne de l'information sur les autres substances désignées.

Intérêt pour les travailleuses et  
travailleurs : MOYEN

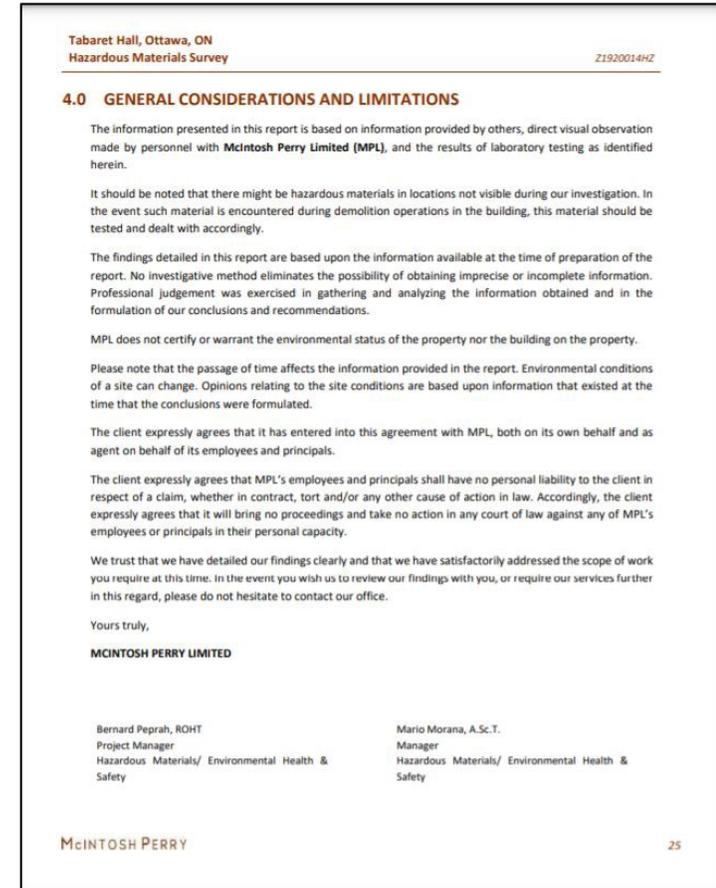
# Partie 4: Observations d'ordre général

Cette section commence par une déclaration générale sur la responsabilité de la consultante ou du consultant en environnement.

Elle contient sept annexes.

<b>4.0 GENERAL CONSIDERATIONS AND LIMITATIONS</b> .....	<b>25</b>
Appendix A – Regulatory Requirements	
Appendix B – Survey Methodology & Background Information	
Appendix C – Laboratory Certificate of Analysis	
Appendix D – Site Photographs	
Appendix E – Asbestos Containing Materials Checklist	
Appendix F – Hazardous Containing Materials Checklist	
Appendix G – Site Sampling & Location Plans	

Intérêt pour les travailleuses et travailleurs : **FAIBLE** à **MOYEN**



# Partie 4: Annexe A - exigences réglementaires

## REGULATORY REQUIREMENTS

In Ontario, there is a total of eleven Designated Substances. These substances have been regulated under Ontario Regulation 490/09 — *Designated Substances*, made under the Ontario Health and Safety Act, which applies to controlling designated substances in the workplace.

In addition to the Ontario Regulation 490/09 noted above, the following were observed for this survey:

Guideline: Lead on Construction Projects, issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour

Guideline: Silica on Construction Projects issued April 2011 by the Occupational Health and Safety branch of the Ministry of Labour.

The Occupational Health and Safety Act (OHS Act), R.S.O. 1990, c.0.1, s.30 (1) specifies that: "Before beginning a project, the owner shall determine whether any Designated Substances are present at the project site and shall prepare a list of all Designated Substances that are present at the site.

Section 30 of The Act requires that the list of Designated Substances be provided to prospective contractors and subcontractors who may do work on a site and come into contact at the site with Designated Substances.

The Ministry of Labour has designated the following substances:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Lead
- Mercury
- Silica
- Vinyl Chloride

Ontario Regulation 278/05 (O. Reg. 278/05), the Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations, made under the Occupational Health and Safety Act (OHS Act), requires owners of a building to identify Asbestos-containing Materials (ACMs) prior to potential disturbance of the materials.

In addition, an owner of a building is required to have an Asbestos Management Plan (AMP) if ACMs (friable or non-friable) are present in the building and are to remain in place. An inventory of ACMs must be kept on site. All ACMs must be routinely inspected to ensure no damage has occurred, and the inventory must be updated once in each 12-month period and as may be required based on expected changing site conditions, abatement and/or renovation activities. Removal of all asbestos containing materials is required prior to building demolition.

In addition to the Designated Substances, the building was also surveyed for the presence of other hazardous materials such as polychlorinated biphenyls (PCBs), radioactive materials, ozone depleting substances (ODSs), other halocarbons, and mould.

Cette annexe détaille les règlements et les lignes directrices sur lesquels s'appuie le RSD et le protocole d'échantillonnage.

Pour obtenir des renseignements supplémentaires, voir [Règl. de l'Ont. 490/09](#) (substances désignées) et [Règl. de l'Ont. 278/05](#) (amiante).

Intérêt pour les travailleuses et  
travailleurs : **FAIBLE**

# Partie 4: Annexe B - méthodologie de l'étude et information contextuelle

## SURVEY METHODOLOGY

For the purpose of this survey, not all Designated Substances or suspect hazardous material were sampled. Selective sampling was carried out only for substances that were suspected to be present or those deemed to have a likely source of origin in the survey areas.

Materials that were homogeneous in nature and/or similar in appearance to other materials tested were considered to be of similar composition. The likelihood of ACMs being present in inaccessible areas such as above gypsum board ceilings or behind gypsum wallboards was determined by assessing the presence of asbestos-containing systems in adjacent areas. Equipment such as boilers, motors, blowers, electrical panels, fire doors etc., were not de-energized or disassembled to examine internal components or materials. These items should be considered to contain hazardous materials until proven otherwise.

During the survey, representative samples of suspect building materials were collected and sent to AIHA accredited independent laboratory for analysis. Laboratory Certificate of Analysis are attached in Appendix A.

Other potential hazardous materials were identified by visual observation and/or by reviewing Material Safety Data Sheets (MSDS) and/or safety labels where available.

### Investigated Areas

The survey included all accessible areas and ceiling space within Tabaret Hall as required under our scope of work. No destructive investigations were performed as part of this survey. Photographs of the areas investigated can be found in Appendix D.

The assessment was directed on the interior structure and finishes of the building. It did not consider current or past owner or occupant articles within the building (i.e. contents, furniture, etc.) and does not report on possible contaminants in the soil under and surrounding the building, or contents of vessels, drums, etc. that may be concealed.

### Sampling and Assessment Methodologies

Sampling was conducted as part of this assessment. Results for asbestos and lead samples can be found in the Findings & Recommendation Section 3.0.

A historical review of previous designated substance survey reports and abatement reports was examined as part of this survey. Due to concerns regarding certain historical analytical results, mainly in 2008 and prior years, confirmatory re-sampling was conducted for selected materials previously identified not to contain asbestos. However, building materials previously identified to be asbestos-containing were not re-sampled. The reports are listed as follows,

- o Designated Substance Inventory by Conestoga-Rovers & Associates (dated December 2007, CRA Project No. 45870(12));
- o Asbestos Sampling Memorandum by Conestoga-Rovers & Associates (dated April 3, 2003, CRA Project No. 7966-M27);
- o Asbestos Sampling Memorandum by Conestoga-Rovers & Associates (dated June 9, 2006, CRA Project

Cette annexe contient de l'information relative à chaque substance désignée. On y décrit également les exigences minimales pour l'échantillonnage en vrac. C'est une partie plus technique.

Intérêt pour les travailleuses et  
travailleurs : **FAIBLE**

# Partie 4: Annexe C - rapports d'analyses de laboratoire

PARACEL LABORATORIES LTD. Order #: 1947154

Certificate of Analysis Report Date: 20-Dec-2019  
Client: McIntosh Perry Limited (Concord) Order Date: 18-Nov-2019  
Client PO: Project Description: 2102091-042 (Tabaret Hall)

Asbestos, PLM Visual Estimation \*\*MDL - 0.5%\*\*

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
1947154-37.1	18-Nov-19	Blue	Vinyl Floor Tile	No	Client ID: BS13.1 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-37.2	18-Nov-19	Black	Mastic	No	Client ID: BS13.1 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-38.1	18-Nov-19	Blue	Vinyl Floor Tile	No	Client ID: BS13.2 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-38.2	18-Nov-19	Black	Mastic	No	Client ID: BS13.2 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-39.1	18-Nov-19	Blue	Vinyl Floor Tile	No	Client ID: BS13.3 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-39.2	18-Nov-19	Black	Mastic	No	Client ID: BS13.3 VFT Light Blue With Black Oats - W9308 Non-Fibers	100
1947154-40.1	18-Nov-19	Beige	Vinyl Floor Tile	Yes	Client ID: BS14.1 VFT Beige With Brown Straks - W9937 Chrysothile 0.5 Non-Fibers 99.5	(M-P) 0.5 99.5
1947154-40.2	18-Nov-19	Black	Mastic	No	Client ID: BS14.1 VFT Beige With Brown Straks - W9937 Non-Fibers	100
1947154-41.1	18-Nov-19				Client ID: BS14.2 VFT Beige With Brown Straks - W9937 not analyzed	
1947154-41.2	18-Nov-19	Black	Mastic	No	Client ID: BS14.2 VFT Beige With Brown Straks - W9937 Non-Fibers	100
1947154-42.1	18-Nov-19				Client ID: BS14.3 VFT Beige With Brown Straks - W9937 not analyzed	
1947154-42.2	18-Nov-19	Black	Mastic	No	Client ID: BS14.3 VFT Beige With Brown Straks - W9937 Non-Fibers	100

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Cette partie contient les rapports de laboratoire pour les échantillons qui ont été analysés. Il s'agit d'une partie plus technique qui ne contient pas d'information vraiment utilisable par les travailleuses et travailleurs.

Intérêt pour les travailleuses et travailleurs : **FAIBLE**

# Partie 4: Annexe D - photos des lieux

Tabaret Hall, Ottawa, Ontario  
Hazardous Materials Reassessment Survey  
Appendix B - Site Photographs  
Z1920014HZ



Photo 1: View of asbestos-containing vinyl floor tiles (9"x9"-White and Black) observed to be in good condition in C207C.



Photo 2: View of asbestos-containing vinyl floor tiles (12"x12"-Cream and Brown Coloured) observed to be in good condition in Room W0041.



Photo 3: View of asbestos-containing vinyl floor tiles (9"x9"-Green w/ White Stripes) observed to be in good condition in Room N0130 along with asbestos-containing drywall joint compound observed to be in poor condition.

McINTOSH PERRY 1

Cette annexe contient des photos des matériaux échantillonnés et de l'état dans lequel ils se trouvaient. Ces photos sont très utiles pour voir à quoi ressemblent les matériaux.

Intérêt pour les travailleuses et travailleurs : MOYEN

Advanced Research Complex (ARC), Ottawa, Ontario  
Hazardous Materials Survey  
Appendix D - Site Photographs  
Z2021101HZ



Photo 1: View of typical building finishes.



Photo 2: View of typical building finishes.



Photo 3: View of typical building finishes.

McINTOSH PERRY 2

# Partie 4: Annexe E - tableau récapitulatif des MCA

75 Laurier Avenue, Ottawa, Ontario  
 Hazardous Materials Survey - University of Ottawa  
 Appendix E - Asbestos Containing Materials Checklist

Z1920014HZ

Flr/Level	Location	Type of ACM	Asbestos Confirmed/Suspected	Friable/Non-Friable	Damaged/Deteriorated	Accessibility	Level of Work Near Material	Approx. Quantity	Unit	Recommended Action	Comments
0	Room CD17D	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good Condition	Difficult	Low	100	SF	Manage in Place	
0	Room LD46	Drywall Joint Compound	Confirmed	-	Poor Condition	Easy	Low	1	SF	Repair or Remove Following Type 1 Abatement Procedures	
0	Room LD46K	Vinyl Floor Tiles (12"x12"-Beige with Brown Mottling)	Confirmed	Non-Friable	Good Condition	Easy	Low	70	SF	Manage in Place	
0	Room LD56	Suspended Ceiling Tiles (2'x2'-Pinholes and Large Fissures)	Confirmed	-	Good Condition	Difficult	Low	172	SF	Manage in Place	
0	Room LD62	Mechanical Pipe Straight Insulation	Confirmed	Friable	Good Condition	Moderate	Low	75	LF	Manage in Place	
0	Room LD64	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Fair Condition	Difficult	Low	55	SF	Monitor Condition of Material. Consider Removal or Repair.	
0	Room LD64	Drywall Joint Compound	Confirmed	-	Poor Condition	Easy	Low	8	SF	Repair or Remove Following Type 1 Abatement Procedures	
0	Room LD64A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Fair Condition	Difficult	Low	45	SF	Monitor Condition of Material. Consider Removal or Repair.	
0	Room LD64B	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good Condition	Moderate	Low	4	C	Manage in Place	
0	Room LD70A	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Poor Condition	Difficult	Low	10	SF	Manage in Place	
0	Room LD70A	Drywall Joint Compound	Confirmed	-	Poor Condition	Easy	Moderate	3	SF	Repair or Remove Following Type 1 Abatement Procedures	
0	Room LD70D	Mechanical Pipe Fittings/Elbows Insulation	Confirmed	Friable	Good Condition	Moderate	Low	1	C	Manage in Place	
0	Room LD70D	Ceiling Plaster (White and Beige Layers)	Confirmed	Friable	Poor Condition	Difficult	Low	10	SF	Repair or Remove Following Type 1/2 Abatement Procedures	
0	Room LD70D	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good Condition	Easy	Low	190	SF	Manage in Place	
0	Room LD72A	Vinyl Floor Tiles (9"x9"-Green and White)	Confirmed	Non-Friable	Good Condition	Easy	Low	130	SF	Manage in Place	
0	Room MD89	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good Condition	Difficult	Low	172	SF	Manage in Place	
0	Room MD92	Suspended Ceiling Tile (2'x4'-White Tone)	Confirmed	-	Good Condition	Difficult	Low	80	SF	Manage in Place	
0	Room NO100	Suspended Ceiling Tile (2'x4'-White FRB-CL-1)	Confirmed	-	Good Condition	Difficult	Low	210	SF	Manage in Place	

McINTOSH PERRY

4

Cette partie contient un tableau de tous les résultats des analyses des échantillons, de l'état des matériaux, des mesures recommandées, etc. Ce tableau contient uniquement de l'information sur les MCA.

Intérêt pour les travailleuses et travailleurs : **MOYEN**

# Partie 4: Annexe E - interprétation de l'information contenue dans le tableau récapitulatif des MCA

- ✓ **Étage** (*Floor/Level*) : étage où l'échantillon de matériau qui contient de l'amiante (MCA) a été prélevé
- ✓ **Pièce** (*Room*) : numéro de la pièce dans laquelle des MCA ont été trouvés
- ✓ **N°** (*ID*) : numéro de l'échantillon analysé
- ✓ **Type de MCA** (*Type of ACM*) : description du MCA (échantillon prélevé)
- ✓ **Description** (*Description*) : brève description du matériau échantillonné (apparence)
- ✓ **Amiante confirmé/suspecté** (*Asbestos confirmed/suspected*) : présence de MCA confirmée ou suspectée (dans ce cas, aucun échantillon n'a été prélevé, mais agir comme si la présence était confirmée)
- ✓ **Friable/non friable** (*Friable/non-friable*) : caractéristique physique du MCA
- ✓ **Endommagé/détérioré** (*Damaged/Deteriorated*) : état du MCA (bon, moyen, mauvais)
- ✓ **Accessibilité** (*Accessibility*) : accès facile ou difficile au MCA (p. ex. plafond plâtré recouvrant de la tuyauterie)
- ✓ **Niveau de travail à proximité du MCA** (*Level of work near material*) : probabilité que des matériaux soient perturbés par les occupantes et occupants
- ✓ **Quantité approximative** (*Approximate quantity*) : nombre qui correspond à la quantité de matériau en place
- ✓ **Unité** (*Unit*) : unité de mesure utilisée (pieds carrés, pieds linéaires, etc.)
- ✓ **Mesures recommandées** (*Recommended action*) : moyens à utiliser pour gérer les MCA
- ✓ **Coût estimatif de l'élimination** (*Estimated Abatement Cost*) : estimation du coût du désamiantage (cette colonne ne figure pas toujours dans le tableau)
- ✓ **Commentaires** (*Comments*) : commentaires généraux relatifs au MCA, éléments à surveiller

# Partie 4: Annexe F - tableau récapitulatif des matériaux qui contiennent des matières dangereuses

75 Laurier Avenue, Ottawa, Ontario - University of Ottawa  
 Hazardous Materials Survey  
 Appendix F - Hazardous Containing Materials Checklist

Z1920014H2

Room/Level	Location	Type	Component	Colour	Condition	Manufacturer	Quantity #	Unit	Suspected/Confirmed	Recommended Action	Comments
00	Throughout Level	Lead	Battery Pack	N/A	Good Condition	N/A	-	-	Confirmed	Manage in Place	
00	L-Wing Window Frame	Lead	Paint	White	Good Condition	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room MD93 (Stairwell #)	Lead	Paint	Beige	Good Condition	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room MD03	Lead	Paint	OffWhite	Good Condition	N/A	Throughout	-	Confirmed	Manage in Place	
00	Room MD05	Mercury	Thermometers, Pressure Gauges, Float Switch	N/A	Good Condition	N/A	3	C	Confirmed	Manage in Place	
00	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good Condition	Various	-	-	Confirmed	Manage in Place	
00	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good Condition	N/A	-	-	Confirmed	Manage in Place	
00	Room W0011B	Mould/ Water Damage	Ceiling Tiles	N/A	Poor Condition	N/A	1	C	Confirmed	Should be replaced as part of regular maintenance.	*Substance containing drywall joint compound is present. Please follow appropriate Abatement
00	Room W0011F	Mould/ Water Damage	Ceiling Tiles	N/A	Poor Condition	N/A	1	C	Confirmed	Should be replaced as part of regular maintenance.	*Substance containing drywall joint compound is present. Please follow appropriate Abatement
0	Throughout Level	Lead	Battery Pack	N/A	Good Condition	N/A	-	-	Confirmed	Manage in Place	
0	Throughout Level	Mercury	Fluorescent Light Tubes	N/A	Good Condition	Various	-	-	Confirmed	Manage in Place	
0	Throughout Level	Silica	Concrete, Mortar, Etc.	N/A	Good Condition	N/A	-	-	Confirmed	Manage in Place	
0	Room C08	Lead	Paint	OffWhite	Poor Condition	N/A	4	SF	Confirmed	Paint must be removed and/or stabilized following Class 1/2 or Type 1/2 lead Procedures as per MOL and EACD Guidelines.	*Substance containing drywall joint compound is present. Please follow appropriate Abatement
0	Room C03	Mould/ Water Damage	Drywall	N/A	Poor Condition	N/A	4	SF	Confirmed	Must be removed following level 1 should remediation procedures, as per EACD Guidelines.	
0	Room L040	Lead	Paint	Beige	Good Condition	N/A	Throughout	-	Confirmed	Manage in Place	
0	Room L0708	Lead	Paint	Beige	Good Condition	N/A	Throughout	-	Confirmed	Manage in Place	
0	Room L0708	Mould/ Water Damage	Ceiling Tiles	N/A	Poor Condition	N/A	1	C	Confirmed	Should be replaced as part of regular maintenance.	
0	Room L0708	Mould/ Water Damage	Drywall	N/A	Poor Condition	N/A	20	SF	Confirmed	Must be removed following level 1 should remediation procedures, as per EACD Guidelines.	
0	Room L0700	Lead	Paint	Beige	Poor Condition	N/A	15	SF	Confirmed	Paint must be removed and/or stabilized following Class 1/2 or Type 1/2 lead Procedures as per MOL and EACD Guidelines.	

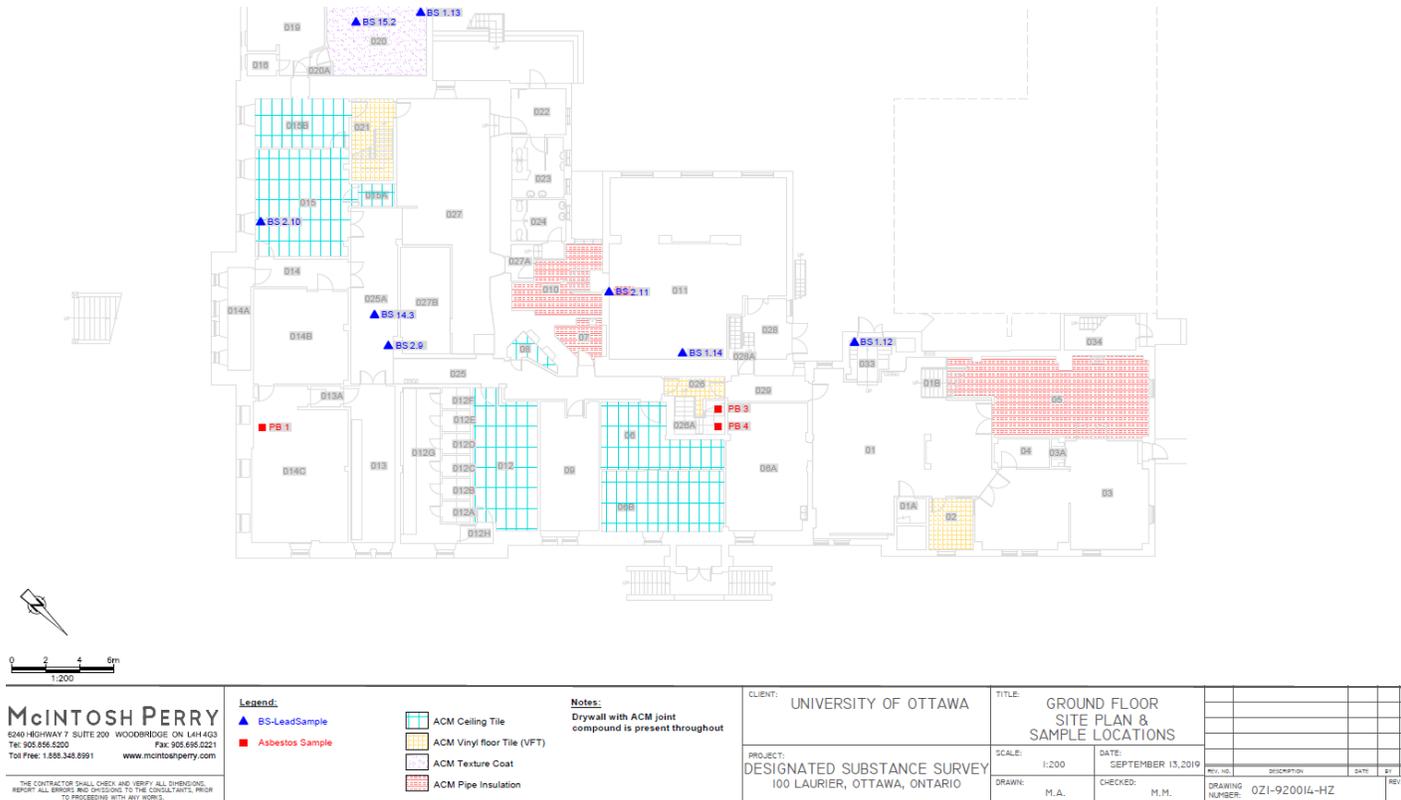
McINTOSH PERRY

L'annexe F contient un tableau semblable à celui de l'annexe E, mais pour d'autres substances désignées.

Intérêt pour les travailleuses et travailleurs : MOYEN

# Partie 4: Annexe G - localisation des sites de prélèvement

Cette annexe précise les sites de prélèvement des échantillons analysés pour le RSD. **Attention! L'absence d'échantillonnage dans une pièce ne signifie pas que la pièce est exempte de MCA.** Un matériel (des carreaux de plafond, par exemple) peut avoir été utilisé dans de nombreuses pièces. Les matériaux identifiés dans l'annexe E comme étant des MCA sont représentés sur ces plans et peuvent servir de référence rapide.



Intérêt pour les travailleuses et travailleurs : **FAIBLE**

# Points à retenir

- Le tableau A du résumé est la meilleure ressource pour vérifier rapidement si le bâtiment contient des matériaux qui contiennent de l'amiante.
- **Il ne faut jamais se fier seulement** aux plans de localisation des sites de prélèvement. Prendre note de la légende et aux notes.
- **Tout le bâtiment** (*Throughout building*) signifie que les matériaux similaires sont considérés comme étant des MCA.
- **Certaines zones** (*Specific areas*) signifie que des MCA ont été identifiés dans des endroits particuliers. Il faut analyser les autres matériaux **AVANT** de commencer les travaux ou il faut présumer et traiter ces autres matériaux comme MCA.
- **Les RSDs ont leurs limitations**, un DSR spécifique au site devrait être fait avant d'entreprendre tout travaux (rénovations/démolitions). Le RSD identifie seulement ce qui est visible et accessible.
- **Arrêt sur positif** (*Positive stop*) signifie que le matériau analysé **CONTIENT** de l'amiante.
- Si le bâtiment a été construit entre 1930 et 1990, il est bien possible qu'on y trouve des MCA.
- Les MCA en bon état **ne constituent pas** un danger immédiat pour la santé des occupantes et occupants.
- Voici un lien vers un [tableau synoptique \(en anglais\)](#) des RSD établis pour le campus (cliquer sur le lien lance le téléchargement d'un fichier Excel).

# Rapports des substances désignées - interpréter les données

>> Confirmer votre participation et confirmation de la présentation sur les  
rapports des substances désignées <<





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