



Environmental Consulting
Occupational Health

PRE-RENOVATION DESIGNATED SUBSTANCES AND HAZARDOUS MATERIALS SURVEY

**TORONTO WATER OFFICES
95 THE ESPLANADE
TORONTO, ON**

Prepared for:
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EXECUTIVE SUMMARY

ECOH Management Inc. (ECOH) was retained by the City of Toronto to conduct a Pre-Renovation Designated Substances and Hazardous Materials assessment at the Toronto Water Offices, located at 95 The Esplanade, in Toronto, ON. The objectives of the survey were to identify potential environmental considerations associated with areas of the building to be impacted by the planned renovations to the interior offices of the facility, hereafter referred to as the "Project Area", and provide recommendations, as necessary, to fulfil requirements set forth within the Ministry of Labour Codes as well as the Ontario Occupational Health and Safety Act. Joey Huynh of ECOH performed the survey and assessment on December 20, 2024.

This executive summary provides a brief overview of the key survey findings and associated recommendations. Detailed information regarding the findings and recommendations are discussed in the body of the report.

FINDINGS

Table 1 presents a brief outline of ECOH's findings within the Project Area. For analytical results for asbestos and lead, refer to Appendix II - Results of Bulk Sample Analysis for Asbestos & Lead. Refer to the main body of the report and Appendix I for specific details, quantities and locations of Designated Substances and Hazardous Materials in the Project Area.

Table 1: Summary of Findings	
Material	Findings
Asbestos	No asbestos-containing materials (ACM) were observed to be present within the Project Area. Additional asbestos-containing materials may be present within concealed conditions of the Project Area.
Lead	No major sources of lead or lead-containing products were identified during the survey; however, lead may be present in: <ul style="list-style-type: none">• Internal batteries associated with emergency lighting system,• Ceramic tile glazing,• Wiring connectors and electric cable sheathing, and• Solder joints on copper piping.
Mould	Mould-growth was not observed to be present at the time of the assessment.
Mercury	Minor quantities may be present as a possible constituent of paints and adhesives.
Polychlorinated Biphenyls (PCBs)	PCBs were not observed to be present within the Project Area.
Silica	Present in all concrete and masonry products.

EXECUTIVE SUMMARY

Table 1: Summary of Findings

Material	Findings
Other Designated Substances and Hazardous Materials	Acrylonitrile, Arsenic, Benzene, Coke Oven Emissions, Ethylene Oxide, Mould, Ozone Depleting Substances, Isocyanates, Urea Formaldehyde Foam Insulation (UFFI) and Vinyl Chloride Monomer were not noted in significant quantities or forms, if at all.

RECOMMENDATIONS

The following recommendations meet the requirements of the Occupational Health and Safety Act. Asbestos recommendations meet the requirements of the Designated Substance – Regulation respecting *Asbestos on Construction Projects and in Buildings and Repair Operations*, Ontario Regulation 278/05. Based upon review of historical reports, as well as analytical results and observations of this assessment, ECOH offers the following for your consideration.

Asbestos

Based on survey results, the following conclusions are made with regards to asbestos-containing materials (ACMs) within the Project Area:

- As the materials present in the Project Area anticipated for disturbance are non-asbestos containing, removal or disturbance of these materials does not require asbestos safety procedures. However, general health and safety precautions including, in part, the use of dust suppression techniques and appropriate respiratory protection.
- During project work, if any additional materials are found beyond those which are described in this report or described in the existing inventory of asbestos-containing materials (i.e., materials not previously identified, or materials that are not homogenous to those previously identified, or materials that become revealed during the work), additional testing for asbestos-content should be completed immediately and prior to disturbance of the material. Alternatively, these materials can be assumed to contain asbestos, and the appropriate level of asbestos safety precautions must be implemented.

Lead

The removal of assumed or confirmed lead-containing construction materials (i.e., lead concentrations >0.1% or 1000ppm) should be completed in accordance with the recommendations of the Environmental Abatement Council of Canada (EACC), *EACC Lead Guideline for Construction, Renovation, Maintenance or Repair*, October 2014, which incorporates the Ontario Ministry of Labour Document, *Guideline Lead on Construction Projects*, April 2011.

Materials containing even trace amounts of lead should be removed without grinding, cutting, torching, or chemical stripping. Additionally, workers should employ general safety precautions such as appropriate dust suppression methods and proper personal protective equipment.

EXECUTIVE SUMMARY

Mercury

Avoid direct skin contact with mercury and avoid inhalation of mercury vapour. Dispose of mercury following requirements of the Canada Environmental Protection Act, the Transportation of Dangerous Goods Act and provincial legislative requirements that may be applicable.

Silica

Cutting, grinding, or demolition of materials containing silica should be completed using general health and safety precautions including the use of dust suppression techniques and appropriate respiratory protection.

During major renovations, removal of materials containing silica should be removed following recommendations detailed within the Ministry of Labour document, *Guideline - Silica on Construction Projects*, dated, April 2011.

This executive summary provides a brief overview of the study findings. It is not intended to substitute for reading the complete report, nor does it discuss specific issues documented in the report.

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1. INTRODUCTIONS

ECOH Management Inc. (ECOH) was retained by the City of Toronto to conduct a Pre-Renovation Designated Substances and Hazardous Materials assessment at the Toronto Water Offices, located at 95 The Esplanade, in Toronto, ON. The objectives of the survey were to identify potential environmental considerations associated with areas of the building to be impacted by the planned renovations to the interior offices of the facility, hereafter referred to as the "Project Area", and provide recommendations, as necessary, to fulfil requirements set forth within the Ministry of Labour Codes as well as the Ontario Occupational Health and Safety Act. Joey Huynh of ECOH performed the survey and assessment on December 20, 2024.

The survey included an investigation for the presence of Designated Substances including:

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

And for Hazardous Materials including:

- Polychlorinated Biphenyls (PCB)s
- Mould
- Ozone Depleting Substances (ODS)
- Other Hazardous Materials

The following report details the project scope of work, regulatory requirements, survey and analytical methodologies, survey findings and recommendations, and survey statement of limitations.

1.1 Regulatory Requirements

A Designated Substances and Hazardous Materials Report is completed to fulfil the Owner's requirements under Section 30 of the Ontario Occupational Health and Safety Act. Prior to tendering project work in a building, the building owner must provide this report to contractors tendering on the work.

Ministry of Labour Regulation 278/05, *Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations*, controls the disturbance of asbestos materials on construction projects. Ministry of Environment Regulation, R.R.O. 347, controls the disposal of asbestos waste. The Ministry of Labour has also issued guidelines for the control of Lead and Silica on construction projects, these entitled, *Guideline - Lead on Construction Projects* and *Guideline - Silica on Construction Projects*.

There are no specific Ministry of Labour regulations for control of the remaining Designated Substances on construction projects. However, the Ministry of Labour actively enforces the general duty clause of the Occupational Health and Safety Act which protects workers and

provides guidance on exposure monitoring, permissible exposure levels, medical monitoring, etc., for all Designated Substances in an occupational setting.

2. SURVEY SCOPE OF WORK AND METHODOLOGY

2.1 General Approach

Details of the survey methodology, as was applied to this facility, are as follows:

- Visual inspections of the Project Area (as denoted on the project drawings) were completed using the following protocol:
 - All Accessible areas (i.e., above false ceilings or within solid ceilings and walls where access hatches were available)
 - The survey did not include demolition of building systems or finishes to visually assess concealed conditions.
- Reporting the findings of visual inspections is completed using the following protocol:
 - Details of specific observations are reported for each room in which observations were collected during visual inspections.

2.2 Records Review

As part of this survey, ECOH reviewed the following reports:

- *95_Esplanade_MECH_50%_SUBMISSION*, prepared for the City of Toronto by Arcadis Professional Services (Canada) Inc., dated November 19, 2024.
- *95_The Esplanade_Electrical_50%_Submission*, prepared for the City of Toronto by Arcadis Professional Services (Canada) Inc., dated November 19, 2024.
- *2024.11.18_ISSUED FOR 50% DESIGN SUBMISSION*, prepared for the City of Toronto by Arcadis Professional Services (Canada) Inc., dated November 19, 2024.
- *Survey for Designated Substances and Hazardous Materials, City of Toronto Inspection Services*, 95 The Esplanade, Toronto, Ontario, prepared for the City of Toronto by ECOH Management Inc., dated November 14, 2014. ECOH Project No. 15170-B38.

2.3 Asbestos Survey Methodology

2.3.1 Asbestos Survey Omissions from Scope

When conducting an asbestos survey, it is standard practice to assume that certain building materials potentially contain asbestos. Depending on the material, this assumption is undertaken for one or more of the following reasons:

1. The material is inaccessible (i.e., underground piping).
2. There is an inherent danger in sampling the material (i.e., high voltage wires, mechanical control centre units).

3. Sampling will compromise the integrity of the building structure or envelope (i.e., roofing felts).

Therefore, for the purpose of this survey, ECOH assumed the following materials (if present) are asbestos-containing:

- Fire doors
- High voltage wiring
- Mechanical packing and gaskets
- Underground services or piping

In addition, no identification was made of asbestos products used in manufacturing processes or operations (i.e., manufacturing equipment, laboratories, etc.).

2.3.2 Asbestos Sampling Strategy and Analytical Methods

Bulk samples of potential asbestos-containing materials were collected for analysis during the survey. As per the requirements of Ontario Regulation 278/05, multiple samples (ranging from 1 to 7 depending on quantity and type of material) are required to confirm the absence of asbestos. Only one positive result (i.e., confirming the presence of asbestos) is required to classify a material as asbestos-containing. Therefore, ECOH's sampling strategy involves the collection of sufficient numbers of samples to meet regulatory requirements, followed by instructions to the laboratory to cease analysis when one sample within a series has already proven positive for asbestos. Sampling required a small volume of material to be removed either from a damaged section of suspect material or cut from intact material and then repaired by sealing with tape to prevent fibre release. The collected samples were placed in plastic bags and sealed during shipment to an independent laboratory. A formal chain of custody procedure was maintained between ECOH and the sub-contract laboratory during sample transport. Samples were then analyzed following the analytical procedure prescribed by the Regulation 278/05, U.S. Environmental Protection Agency Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials. June 1993. Although not required by provincial regulation, all laboratories used by ECOH are accredited under the U.S. National Voluntary Laboratory Accreditation Program (NVLAP) to ensure consistent, accurate and defensible results.

Where possible, ECOH has used existing analytical data, rather than collect and analyze additional bulk samples. Although historical sample information is used to confirm the presence of asbestos in suspect materials, historical samples are not used in defining materials as non-asbestos. Historical sample results were only used if the surveyor, based on his/her experience, could clearly associate the sample information with the material present at the Site.

The collection of samples was performed with sufficient frequency to obtain a general pattern of asbestos use within the building. Due to building renovations or modifications that may have occurred in the past, the consistency of the application of asbestos materials may not be uniform throughout the entire facility. It is important to note that without sampling every wall,

pipe section, ceiling tile, etc., it is not possible to identify the asbestos content in every material present in the building. For this reason, similar materials to those already sampled elsewhere in the building were visually identified as being the same as those samples without additional analysis.

The Chain of Custody and the Certificate of Analysis, which details analytical results referenced in the findings section, for all bulk sampling is presented within Appendix II - Results of Bulk Sample Analysis for Asbestos & Lead.

The recommendations in this report take into consideration the condition and accessibility of the asbestos material as well as other factors such as water damage, vibration, air movement and general activities in the area.

Where ACM is found to be in GOOD condition and not likely to deteriorate or fall, the general recommendation is to re-evaluate the condition of the material on an annual basis. This recommendation is subject to change if the material is located in a manner that persons untrained in asbestos awareness could physically damage it.

Where the ACM is found to be damaged, a recommendation to have the material repaired, removed, encased, or encapsulated is offered. The recommendation will also indicate which asbestos safety precautions (i.e., Type 1, Type 2 or Type 3) should be undertaken when performing the remedial work.

2.4 Mould Assessment

A visual mould assessment of the facility was carried out during this survey included a visual assessment and sampling, if required, but did not include intrusive investigation (i.e., test-cuts).

2.5 Survey of Other Hazardous Materials

Materials suspected of containing Designated Substances and Hazardous Materials, other than asbestos, were identified by appearance, age, and knowledge of historic applications in building construction and equipment design.

3. FINDINGS

3.1 Asbestos

The following is a brief discussion of the extent to which asbestos-containing materials (ACM) were identified in the Project Area. The discussion is organized under the headings of materials that are generally suspected of containing asbestos. Please refer to Table 2 for sample details and laboratory analysis results.

Table 2: Summary of Analysis of Asbestos Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
29001-ASB-01A	Lower Floor (Loc. 1-01)	Drywall Joint Compound Wall	None Detected

Table 2: Summary of Analysis of Asbestos Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
29001-ASB-01B	Lower Floor (Loc. 1-01)	Drywall Joint Compound Wall	None Detected
29001-ASB-01C	Lower Floor (Loc. 1-01)	Drywall Joint Compound Wall	None Detected
29001-ASB-01D	Upper Floor (Loc. 1-02)	Drywall Joint Compound Wall	None Detected
29001-ASB-01E	Upper Floor (Loc. 1-02)	Drywall Joint Compound Wall	None Detected
29001-ASB-01F	Pump Room (Loc. 1-09)	Drywall Joint Compound Wall	None Detected
29001-ASB-01G	Electrical Room (Loc. 1-09)	Drywall Joint Compound Wall	None Detected
29001-ASB-02A	Kitchen (Loc. 1-04)	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks	None Detected
29001-ASB-02B	Kitchen (Loc. 1-04)	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks	None Detected
29001-ASB-02C	Kitchen (Loc. 1-04)	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks	None Detected
29001-ASB-03A	Lower Floor (Loc. 1-01)	Baseboard Mastic	None Detected
29001-ASB-03B	Lower Floor (Loc. 1-01)	Baseboard Mastic	None Detected
29001-ASB-03C	Lower Floor (Loc. 1-01)	Baseboard Mastic	None Detected
29001-ASB-04A	Lower Floor (Loc. 1-01)	Carpet Mastic	None Detected
29001-ASB-04B	Upper Floor (Loc. 1-02)	Carpet Mastic	None Detected
29001-ASB-04C	Upper Floor (Loc. 1-02)	Carpet Mastic	None Detected
29001-ASB-05A	Entrance (Loc. 1-03)	Ceramic Tile Grout	None Detected
29001-ASB-05B	Entrance (Loc. 1-03)	Ceramic Tile Grout	None Detected
29001-ASB-05C	Entrance (Loc. 1-03)	Ceramic Tile Grout	None Detected
29001-ASB-06A	Exterior (Loc. 0-00)	Grey Door Caulking	None Detected
29001-ASB-06B	Exterior (Loc. 0-00)	Grey Door Caulking	None Detected
29001-ASB-06C	Exterior (Loc. 0-00)	Grey Door Caulking	None Detected
29001-ASB-07A	Kitchen (Loc. 1-04)	White Sink Caulking	None Detected
29001-ASB-07B	Kitchen (Loc. 1-04)	White Sink Caulking	None Detected

Table 2: Summary of Analysis of Asbestos Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
29001-ASB-07C	Kitchen (Loc. 1-04)	White Sink Caulking	None Detected
29001-ASB-08A	Kitchen (Loc. 1-04)	Sink Mastic	None Detected
29001-ASB-08B	Kitchen (Loc. 1-04)	Sink Mastic	None Detected
29001-ASB-08C	Kitchen (Loc. 1-04)	Sink Mastic	None Detected
	- shading indicates sample result positive for asbestos (if applicable)		

3.1.1 Spray Applied Fireproofing or Thermal Insulation (Friable)

Spray applied fireproofing was not observed within the Project Area at the time of the assessment.

3.1.2 Thermal Mechanical Insulation (Friable)

Various non-asbestos mechanical insulations are present within the Project Area. The following presents a brief description of the mechanical insulations and the systems to which they are applied. Thermal mechanical insulation may be present within concealed conditions of the Project Area (i.e., above fixed ceilings, within wall cavities, pipe chases, etc.) and may not be denoted on Survey Drawings included as Appendix III.

3.1.2.1 Piping Systems

Pipe fittings (which may include elbows, valves, tees, hangers, etc.) observed throughout the Project Area were observed to be not insulated or insulated with non-asbestos materials (e.g., fibreglass, foam, etc.).

Straight sections of pipe observed throughout the Project Area were observed to be not insulated or insulated with non-asbestos materials (e.g., fibreglass, foam, etc.).

3.1.2.2 Duct Systems

Ducts observed throughout the Project Area were observed to be not insulated or insulated with non-asbestos materials (e.g., fibreglass, foam, etc.).

3.1.2.3 Mechanical Equipment

Mechanical equipment observed throughout the Project Area were observed to be not insulated or insulated with non-asbestos materials (e.g., fibreglass, foam, etc.).

3.2 Asbestos Cement Products (Non-Friable)

Asbestos cement products were not observed within the Project Area at the time of the assessment.

3.3 Acoustic Ceiling Tiles (Friable)

Acoustic ceiling tiles – 2’x4’ short random fissures and pinpricks were observed within the Project Area. This material was composed of fiberglass and not expected to contain asbestos.

3.4 Vinyl Floor Tiles (Non-Friable)

Vinyl floor tiles were not observed within the Project Area at the time of the assessment.

3.5 Vinyl Sheet Flooring (Potentially-Friable)

Vinyl sheet flooring 3 – light grey with dark grey streaks was observed within the Project Area. Three (3) representative samples of this material were collected (29001-ASB-02A-C) and determined by laboratory analysis to be non-asbestos.

3.6 Drywall Joint Compound (DJC) (Non-Friable)

Drywall with joint compound was observed on walls and ceilings throughout the Project Area. Seven (7) representative samples of joint compound were collected (29001-ASB-01A-G) and determined by laboratory analysis to be non-asbestos.

This material was also previously sampled (15170-B38-01A-G & 15170-B38-02A-D) and determined by laboratory analysis to be non-asbestos.

3.7 Grout (Non-Friable)

Ceramic tiles with grout were observed within the Project Area. Three (3) representative samples of the grout were collected (29001-ASB-05A-C) and determined by laboratory analysis to be non-asbestos.

3.8 Plaster (Non-Friable)

Plaster was not observed within the Project Area at the time of the assessment.

3.9 Mortar (Non-Friable)

Mortar was not observed within the Project Area at the time of the assessment.

3.10 Mastic (Non-friable)

Three (3) distinct applications of mastic were observed within the Project Area:

- Baseboard mastic. Three (3) representative samples of this material were collected (29001-ASB-03A-C) and determined by laboratory analysis to be non-asbestos.
- Carpet mastic. Three (3) representative samples of this material were collected (29001-ASB-04A-C) and determined by laboratory analysis to be non-asbestos.
- Sink mastic. Three (3) representative samples of this material were collected (29001-ASB-08A-C) and determined by laboratory analysis to be non-asbestos.

3.11 Firestop/Caulking (Non-Friable)

Three (3) distinct applications of caulking were observed within the Project Area:

- Grey caulking on windows and doors. Three (3) representative samples of this material were collected (29001-ASB-06A-C) and determined by laboratory analysis to be non-asbestos.
- White caulking on sink. Three (3) representative samples of this material were collected (29001-ASB-07A-C) and determined by laboratory analysis to be non-asbestos.

3.12 Lead

Samples of any suspected lead-containing surface coatings were collected and submitted for laboratory analysis by Flame Atomic Absorption Spectroscopy (bulk samples) during this survey. A result from either sample exceeding 1000ppm lead content indicates the material is lead-containing. All laboratories used by ECOH are accredited under the U.S. EPA National Environmental Lead Laboratory Accreditation Program (NLLAP) and/or American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP) to ensure consistent, accurate and defensible results.

Please refer to Table 3 for sample details and laboratory analysis results for paints scheduled for potential disturbance. For the laboratory chain of custody and the certificate of analysis, refer to Appendix II - Results of Bulk Sample Analysis for Asbestos & Lead.

Table 3: Summary of Analysis for Lead Samples			
Sample Number	Location	Description	Analytical Results
29001-Pb-01	Lower Floor (Loc. 1-01)	Light Green Paint on Wall	<5 ppm
29001-Pb-02	Lower Floor (Loc. 1-01)	Teal Paint on Wall	8 ppm
29001-Pb-03	Upper Floor (Loc. 1-02)	Light Grey Paint on Wall	<5 ppm
29001-Pb-04	Upper Floor (Loc. 1-02)	Yellow Paint on Wall	<5 ppm
29001-Pb-05	Entrance (Loc. 1-03)	Ceramic Tile grout	<5 ppm
	- shading indicates sample result positive for lead (if applicable)		

No major sources of lead or lead-containing products were observed during this survey. However, lead may be present in:

- Internal batteries associated with emergency lighting system,
- Ceramic tile glazing,
- Wiring connectors and electric cable sheathing, and
- Solder joints on copper piping.

3.13 Mercury

Mercury may be present in minor quantities throughout the Project Area in the following forms:

- As a possible constituent of paints and adhesives.

3.14 Silica

Free crystalline silica, in the form of common construction sand, is present in all concrete and masonry products within the Project Area.

3.15 Mould

Mould-affected building materials were not identified within the Project Area at the time of assessment.

3.16 Ozone Depleting Substances (ODS)

Ozone depleting substances may be present in refrigeration and cooling units.

3.17 Polychlorinated Biphenyls (PCBs)

Fluorescent light ballasts were not observed within the Project Area.

3.18 Other Designated Substances and Hazardous Materials

The following Designated Substances and Hazardous Materials were not noted in significant quantities or forms, if at all, during this survey; Acrylonitrile, Arsenic, Benzene, Coke Oven Emissions, Ethylene Oxide, Isocyanates, Urea Formaldehyde Foam Insulation (UFFI), and Vinyl Chloride Monomer.

If present on site in insignificant quantities or forms, these Designated Substances and Hazardous Materials would not be expected to pose an immediate or potential risk to human health. Adequate worker protection should be achieved when implementing general health and safety precautions during general demolition or renovation activities.

4. CONCLUSIONS AND RECOMMENDATIONS

The following recommendations meet the requirements of the Occupational Health and Safety Act. Asbestos recommendations meet the requirements of the Designated Substance – Regulation respecting *Asbestos on Construction Projects and in Buildings and Repair Operations*, Ontario Regulation 278/05. Based upon review of historical reports, as well as analytical results and observations of this assessment, ECOH offers the following recommendations.

4.1 Asbestos

Based on survey results, the following conclusions are made with regards to asbestos-containing materials (ACMs) within the Project Area:

- As the materials present in the Project Area anticipated for disturbance are non-asbestos containing, removal or disturbance of these materials does not require asbestos safety procedures. However, general health and safety precautions including, in part, the use of dust suppression techniques and appropriate respiratory protection.

During project work, if any additional materials are found beyond those which are described in this report or described in the existing inventory of asbestos-containing materials (i.e., materials not previously identified, or materials that are not homogenous to those previously identified, or materials that become revealed during the work), additional testing for asbestos-content should be completed immediately and prior to disturbance of the material. Alternatively, these materials can be assumed to contain asbestos, and the appropriate level of asbestos safety precautions must be implemented.

4.2 Lead

Any work involving the disturbance of building materials confirmed to be lead-containing or containing trace amounts of lead should be conducted following recommendations detailed within the Ministry of Labour document *Guideline - Lead on Construction Projects*, dated April 2011, and the Environmental Abatement Council of Canada (EACC) *Lead Guideline*, dated October 2014.

Renovation, demolition or general construction work involving the removal of non-lead-based paints (i.e., trace concentrations of lead below 0.1%, or 1000 ppm, by dry weight) can be completed without lead specific safety precautions provided that:

- Work does not include 'fume generating activities' (heat producing) such as welding, torching, burning, high temperature cutting, etc.,
- Dust levels are maintained below 3 mg/m³, and
- General health and safety construction procedures are implemented, which would include dust suppression methods, proper respiratory protection (minimum of a 1/2-face respirator) and protective clothing, as is appropriate for the work being completed.

4.3 Mercury

Avoid direct skin contact with mercury and avoid inhalation of mercury vapour. Dispose of mercury following requirements of the Canada Environmental Protection Act, the Transportation of Dangerous Goods Act and provincial legislative requirements that may be applicable.

4.4 Silica

Cutting, grinding, or demolition of materials containing silica should be completed using general health and safety precautions including the use of dust suppression techniques and appropriate respiratory protection, as is appropriate for the work being completed.

Removal of building materials containing silica should be completed following recommendations detailed within the Ministry of Labour document, *Guideline - Silica on Construction Projects*, dated, April 2011.

5. STATEMENT OF LIMITATIONS

Due to the nature of building construction, and on-going building activities, some limitations exist to the thoroughness of a building assessment. The field observations, measurements and analysis are considered sufficient in detail and scope to form a reasonable basis for the findings and conclusions presented in this report. The observations, results and conclusions drawn by ECOH Management Inc. (ECOH) are limited to the specific scope of work for which ECOH was retained and are based solely on information generated as a result of the specific scope of work authorized by the City of Toronto. Only those items that are capable of being observed and are reasonably obvious to ECOH personnel or have been identified to ECOH by other parties, can be reported. ECOH has exercised a degree of thoroughness and competence that is consistent with the profession during the execution of this assessment. ECOH considers the opinions and information as they are presented in this report to be factual at the time of the assessment. The conclusions are limited to the specific locations of where testing and/or observations were completed during the course of the assessment.

It is important to note that work was completed with the utmost care and our extensive expertise in carrying out assessments. ECOH believes that the information collected during the assessment concerning the Work Area is reliable. No other warranties are implied or expressed. ECOH, to the best of its knowledge, believes this report to be accurate, however, ECOH cannot guarantee the completeness or accuracy of information supplied to ECOH by third parties. It should also be noted that any investigation regarding the presence of hazardous materials in the work area is based on interpretation of conditions determined at specific sampling locations, and conditions may vary between sampling locations.

ECOH is an Environmental Consulting Company and as such any results or conclusions presented in this report should not be construed as legal advice. The material in this report reflects ECOH's professional interpretation of information available at the time of report preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. ECOH accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Should additional information become available that suggests other environmental issues of concern beyond that described in this report, ECOH retains the right to review this information and modify conclusions and recommendations presented in this report accordingly.

6. CLOSURE

We trust this report meets your requirements. If you have any question, please contact the undersigned at 905-795-2800.

ECOH

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Prepared by:



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APPENDIX I

Hazardous Materials Room by Room Inventory Sheet

APPENDIX I - HAZARDOUS MATERIALS ROOM BY ROOM INVENTORY SHEET

Building Address	95 The Esplanade, Toronto	Date(s) of Current Assessment:	December 20, 2024
Building Name	Toronto Water Offices	Organization completing Asbestos Reassessment:	ECOH Inc.

Summary of Findings

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
0-00	Exterior	Windows	Door and Window Caulking	Asbestos	29001-ASB-06A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
0-00	Exterior	Wall	N/A	N/A	N/A	N/A	N/A	N/A	
0-00	Exterior	Roof	N/A	N/A	N/A	N/A	N/A	N/A	Multi-storey facility, roof is not City of Toronto property.
1-01	Lower Open Office Area	Floor	Carpet Mastic	Asbestos	29001-ASB-04A	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-01	Lower Open Office Area	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01,02 (None Detected)	N/A	N/A	
1-01	Lower Open Office Area	Wall	Drywall Joint Compound	Asbestos	29001-ASB-01A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-01	Lower Open Office Area	Wall	Baseboard Mastic	Asbestos	29001-ASB-03A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-01	Lower Open Office Area	Wall	Paint - Light Green	Lead	29001-Pb-01	<5 ppm	N/A	N/A	Sampled during ECOH 2024 DSS
1-01	Lower Open Office Area	Wall	Paint - Teal	Lead	29001-Pb-02	8 ppm	N/A	N/A	Sampled during ECOH 2024 DSS
1-01	Lower Open Office Area	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-02	Upper Open Office Area	Floor	Carpet Mastic	Asbestos	29001-ASB-04B,C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-02	Upper Open Office Area	Wall	Drywall Joint Compound	Asbestos	15170-B38-01G 15170-B38-02D	None Detected	N/A	N/A	Sampled during ECOH 2014 Reassessment Survey
1-02	Upper Open Office Area	Wall	Drywall Joint Compound	Asbestos	29001-ASB-01D, E	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-02	Upper Open Office Area	Wall	Paint - Light Grey	Lead	29001-Pb-03	<5 ppm	N/A	N/A	Sampled during ECOH 2024 DSS
1-02	Upper Open Office Area	Wall	Paint - Yellow	Lead	29001-Pb-04	<5 ppm	N/A	N/A	Sampled during ECOH 2024 DSS
1-02	Upper Open Office Area	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-03	Entrance	Floor	Ceramic Tile	Asbestos	29001-ASB-05A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-03	Entrance	Floor	Ceramic Tile	Lead	29001-Pb-05	<5 ppm	N/A	N/A	Sampled during ECOH 2024 DSS
1-03	Entrance	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01,02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-03	Entrance	Ceiling	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01,02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-04	Kitchen	Floor	Vinyl Sheet Flooring 2	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	Grey with black streaks, jute backing Not Observed

APPENDIX I - HAZARDOUS MATERIALS ROOM BY ROOM INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-04	Kitchen	Floor	Vinyl Sheet Flooring 3	Asbestos	29001-ASB-02A-C	None Detected	N/A	N/A	Light grey with dark grey streaks Sampled during ECOH 2024 DSS
1-04	Kitchen	Wall	Drywall Joint Compound	Asbestos	15170-B38-02B	None Detected	N/A	N/A	Sampled during ECOH 2014 Reassessment Survey
1-04	Kitchen	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-04	Kitchen	Other	White Sink Caulking	Asbestos	29001-ASB-07A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-04	Kitchen	Other	Sink Mastic	Asbestos	29001-ASB-08A-C	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-05	Office	Floor	Carpet Mastic	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-04A-C (None Detected)	N/A	N/A	
1-05	Office	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01.02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-05	Office	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-06	Hub Room	Floor	Vinyl Sheet Flooring 2	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	Grey with black streaks, jute backing Not Observed
1-06	Hub Room	Floor	Vinyl Sheet Flooring 3	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-02A-C (None Detected)	N/A	N/A	Light grey with dark grey streaks
1-06	Hub Room	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01.02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-06	Hub Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	no false ceiling observed
1-08	Electrical Room	Floor	Vinyl Sheet Flooring 2	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	Grey with black streaks, jute backing Not Observed
1-08	Electrical Room	Floor	Vinyl Sheet Flooring 3	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-02A-C (None Detected)	N/A	N/A	Light grey with dark grey streaks
1-08	Electrical Room	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01.02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-08	Electrical Room	Wall	Drywall Joint Compound	Asbestos	29001-ASB-01G	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-08	Electrical Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	no false ceiling observed
1-09	Pump Room	Floor	Vinyl Sheet Flooring 2	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	Grey with black streaks, jute backing Not Observed
1-09	Pump Room	Floor	Vinyl Sheet Flooring 3	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-02A-C (None Detected)	N/A	N/A	Light grey with dark grey streaks
1-09	Pump Room	Wall	Drywall Joint Compound	Asbestos	15170-B38-01D-G	None Detected	N/A	N/A	Sampled during ECOH 2014 Reassessment Survey
1-09	Pump Room	Wall	Drywall Joint Compound	Asbestos	29001-ASB-01F	None Detected	N/A	N/A	Sampled during ECOH 2024 DSS
1-09	Pump Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	no false ceiling observed

APPENDIX I - HAZARDOUS MATERIALS ROOM BY ROOM INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-11a-d	Offices	Floor	Carpet Mastic	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-04A-C (None Detected)	N/A	N/A	
1-11a-d	Offices	Wall	Drywall Joint Compound	Asbestos	15170-B38-02C	None Detected	N/A	N/A	Sampled during ECOH 2014 Reassessment Survey
1-11a-d	Offices	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-12	Photocopy Area	Floor	Vinyl Sheet Flooring 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	Grey-green, jute backing Not Observed
1-12	Photocopy Area	Floor	Vinyl Sheet Flooring 3	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-02A-C (None Detected)	N/A	N/A	Light grey with dark grey streaks
1-12	Photocopy Area	Wall	Drywall Joint Compound	Asbestos	15170-B38-02A	None Detected	N/A	N/A	Sampled during ECOH 2014 Reassessment Survey
1-12	Photocopy Area	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
1-13	Closet	Floor	Carpet Mastic	Asbestos	Not Sampled	Visually Consistent with 29001-ASB-04A-C (None Detected)	N/A	N/A	
1-13	Closet	Wall	Drywall Joint Compound	Asbestos	Not Sampled	Visually consistent with 15170-B38-01.02 & 29001-ASB-01A-G (None Detected)	N/A	N/A	
1-13	Closet	Ceiling	Ceiling Tiles 1	Asbestos	Not Sampled	Visually Non-ACM	N/A	N/A	2 x 4 Short random fissure & pinpricks, fibreglass
<i>Surveyor's Field Notes</i>									

APPENDIX II

Results of Bulk Sample Analysis for Asbestos & Lead

Laboratory Analysis Report

To:

Joey Huynh
 ECOH Management Inc.
 75 Courtney Park Drive West
 Unit 1
 Mississauga, Ontario
 L5W 0E3

EMC LAB REPORT NUMBER: A113334
Job/Project Name: 95 The Esplanade – DSS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Dec 24/24 **Date Analyzed:** Jan 3/25
Analyst: Fabio Anunciacao
Reviewed By: Malgorzata Sybydlo

No. of Phases Analyzed: 28
Job No: 29001
Number of Samples: 28
Date Reported: Jan 3/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
29001-ASB-01A	A113334-1	Drywall joint compound on wall – lower floor	White, joint compound	ND		100
29001-ASB-01B	A113334-2	Drywall joint compound on wall – lower floor	White, joint compound	ND		100
29001-ASB-01C	A113334-3	Drywall joint compound on wall – lower floor	White, joint compound	ND		100
29001-ASB-01D	A113334-4	Drywall joint compound on wall – upper floor	White, joint compound	ND		100
29001-ASB-01E	A113334-5	Drywall joint compound on wall – upper floor	White, joint compound	ND		100
29001-ASB-01F	A113334-6	Drywall joint compound on wall – pump room	White, joint compound	ND		100
29001-ASB-01G	A113334-7	Drywall joint compound on wall – electrical room	White, joint compound	ND		100
29001-ASB-02A	A113334-8	Vinyl sheet flooring 3 – light grey with dark grey streaks – kitchen	Grey, vinyl flooring	ND	10	90
29001-ASB-02B	A113334-9	Vinyl sheet flooring 3 – light grey with dark grey streaks – kitchen	Grey, vinyl flooring	ND	10	90
29001-ASB-02C	A113334-10	Vinyl sheet flooring 3 – light grey with dark grey streaks – kitchen	Grey, vinyl flooring	ND	10	90
29001-ASB-03A	A113334-11	Baseboard mastic – lower floor	Yellow, mastic	ND		100
29001-ASB-03B	A113334-12	Baseboard mastic – lower floor	Yellow, mastic	ND		100

EMC LAB REPORT NUMBER: A113334

Client's Job/Project Name/No.: 29001

Analyst: Fabio Anunciacao

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
29001-ASB-03C	A113334-13	Baseboard mastic – lower floor	Yellow, mastic	ND		100
29001-ASB-04A	A113334-14	Carpet mastic – lower floor	Off white and colourless, mastic	ND		100
29001-ASB-04B	A113334-15	Carpet mastic – upper floor	Off white and colourless, mastic	ND		100
29001-ASB-04C	A113334-16	Carpet mastic – upper floor	Off white and colourless, mastic	ND		100
29001-ASB-05A	A113334-17	Ceramic tile grout – entrance vestibule	Grey, cementitious material	ND		100
29001-ASB-05B	A113334-18	Ceramic tile grout – entrance vestibule	Grey, cementitious material	ND		100
29001-ASB-05C	A113334-19	Ceramic tile grout – entrance vestibule	Grey, cementitious material	ND		100
29001-ASB-06A	A113334-20	Grey door caulking – entrance vestibule	Grey, caulking	ND		100
29001-ASB-06B	A113334-21	Grey door caulking – entrance vestibule	Beige, caulking	ND		100
29001-ASB-06C	A113334-22	Grey door caulking – entrance vestibule	Grey, caulking	ND		100
29001-ASB-07A	A113334-23	White sink caulking – kitchen	White, caulking	ND		100
29001-ASB-07B	A113334-24	White sink caulking – kitchen	White, caulking	ND		100
29001-ASB-07C	A113334-25	White sink caulking – kitchen	White, caulking	ND		100

EMC LAB REPORT NUMBER: A113334

Client's Job/Project Name/No.: 29001

Analyst: Fabio Anunciacao

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
29001-ASB-08A	A113334-26	Sink mastic – kitchen	White, mastic	ND		100
29001-ASB-08B	A113334-27	Sink mastic – kitchen	White, mastic	ND		100
29001-ASB-08C	A113334-28	Sink mastic – kitchen	White, mastic	ND		100

Note:

1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.

CHAIN OF CUSTODY AND ASBESTOS ANALYSIS REQUEST FORM

EMC Lab Report No: A113334

Contact Name: Joey Huynh	Phone: 416-371-6377	Job/Project Name: 95 The Esplanade - DSS
Company: ECOH Management Inc.	Fax No: 905-795-2800	Job/Project No: 29001
Address: 75 Courtney Park West	Email: juynh@ecoh.ca sbizi@ecoh.ca arachmadsyah@ecoh.ca	Special Instructions: Stop Positive Analyzed all Layers if applicable

City, Province Postal Code: Mississauga, Ontario Please select (✓): () Fax Results (✓) Email Results *All results will also be sent by mail.*

Sample ID	Description/Location	Date Sampled	Sample Type	Air Volume (L)	Turnaround Time (✓)				Analysis Requested *	SP **	For Lab Use
					4hr	24 hr	48 hr	STD			
29001-ASB-01A	Drywall Joint Compound on Wall – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01B	Drywall Joint Compound on Wall – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01C	Drywall Joint Compound on Wall – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01D	Drywall Joint Compound on Wall – Upper Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01E	Drywall Joint Compound on Wall – Upper Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01F	Drywall Joint Compound on Wall – Pump Room	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-01G	Drywall Joint Compound on Wall – Electrical Room	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-02A	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-02B	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-02C	Vinyl Sheet Flooring 3 – Light Grey with Dark Grey Streaks – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-03A	Baseboard Mastic – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-03B	Baseboard Mastic – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-03C	Baseboard Mastic – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	

29001-ASB-04A	Carpet Mastic – Lower Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-04B	Carpet Mastic – Upper Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-04C	Carpet Mastic – Upper Floor	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-05A	Ceramic Tile Grout – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-05B	Ceramic Tile Grout – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-05C	Ceramic Tile Grout – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-06A	Grey Door Caulking – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-06B	Grey Door Caulking – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-06C	Grey Door Caulking – Entrance Vestibule	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-07A	White Sink Caulking – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-07B	White Sink Caulking – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-07C	White Sink Caulking – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-08A	Sink Mastic – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-08B	Sink Mastic – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	
29001-ASB-08C	Sink Mastic – Kitchen	December 20, 2024	Asbestos Bulk	N/A				✓	EPA-600/R-93/116	✓	

Sample Collected by: Joey Huynh, Abia Rachmadsyah		Total Number of Samples Submitted: 28	
Relinquished by: Abia Rachmadsyah Date/Time: October 23, 2024		Received by: _____ Date/Time: _____	
Relinquished by: _____ Date/Time: _____		Received at lab by: <i>AM</i> Date/Time: <i>DEC 23/24 4p</i>	
Authorized by Client (Signature): _____		Print Name: _____ Date: _____	
Sample Shipped by: _____ Date/Time: _____		Shipped via: () Courier by _____, (✓) Drop off, () Other _____	
Sample Condition upon Receipt at Lab (✓): (✓) Acceptable, () Unacceptable (Explain): _____			

* Please indicate if sample to be analyzed by layer (PLM-L) or homogenized (PLM-H) when applicable.

** **SD** STOP POSITIVE status indicates if required

C.O.C.: -

REPORT No: 24-039383 - Rev. 0

Report To:

EMC Scientific Inc.
 5800 Ambler Dr. #100
 Mississauga, ON L4W 4J4

CADUCEON Environmental Laboratories

2378 Holly Lane
 Ottawa, ON K1V 7P1

Attention: Alister Haddad

DATE RECEIVED: 2024-Dec-24
 DATE REPORTED: 2024-Dec-31
 SAMPLE MATRIX: Paint Chips

CUSTOMER PROJECT: 95 The Esplanade - DSS
 P.O. NUMBER: 29001

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
ICP/OES (Solid)	5	OTTAWA	APRUDYVUS	2024-Dec-30	D-ICP-02	EPA 6010

R.L. = Reporting Limit
 NC = Not Calculated

Test methods may be modified from specified reference method unless indicated by an *

Client I.D.	Sample I.D.	Date Collected	Parameter	Units	R.L.
			Lead	ppm	5
					-
29001-Pb-01 Light green on wall - lower floor	24-039383-1	2024-Dec-20			<5
29001-Pb-02 Teal on wall - lower floor	24-039383-2	2024-Dec-20			8
29001-Pb-03 Light grey on wall - upper floor	24-039383-3	2024-Dec-20			<5
29001-Pb-04 Yellow on wall - upper floor	24-039383-4	2024-Dec-20			<5
29001-Pb-05 - Ceramic tile grout - entrance vestibule	24-039383-5	2024-Dec-20			<5



Michelle Dubien
Data Specialist

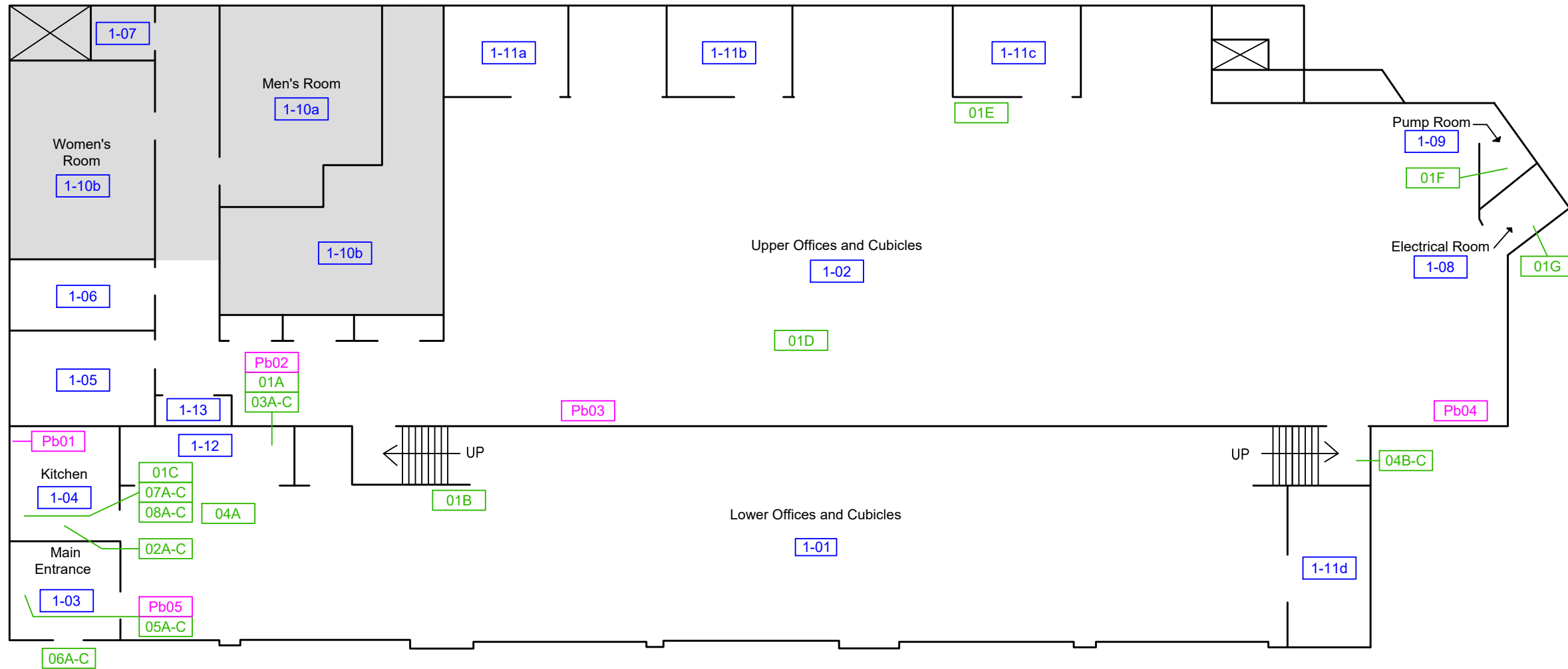
APPENDIX III

Drawings



Legend

- 1-01 Location Numbers
- 01A Asbestos Bulk Sample Location (29001-ASB-xx)
- Pb01 Lead Bulk Sample Location (29001-Pb-xx)
- Outside of Project Scope



The drawing does not illustrate locations of drywall joint compound, plaster, window caulking or roofing materials, for reasons discussed in Section 6 of the Standard Operating Procedure for Asbestos Reassessment Surveys. Please refer to the Asbestos Reassessment Survey Form in Appendix I for information regarding the locations and asbestos-content of these materials.

All information relating to room size and location is approximate and for visual aid only. ECOH does not guarantee the drawing to be complete, absolute, accurate or current. The drawing should not be used by any party in lieu of obtaining architectural drawings.

Figure 1

Ground Floor Plan

BUILDING NAME:
Senior Housing Co-op Building -
City of Toronto Inspection Services

LOCATION:
95 The Esplanade,
Toronto, Ontario

PROJECT:
Pre-Renovation Designated Substances Survey

CLIENT: City of Toronto

PROJECT NUMBER: 29001	DATE: Jan. 2025	DRW BY: EM
------------------------------	------------------------	-------------------

CAD FILE: FIG1 P29001 95 The Esplanade	SCALE: Not to Scale	CHK BY: JH
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APPENDIX IV

Site Photographs



Client Name:

City of Toronto

Site Location:

Toronto Water Offices
95 The Esplanade, Toronto, Ontario

Project No.

29001

Photo No. 1.

Date:

December 20, 2024

Location:

Throughout Project Area

Description:

Non-asbestos fiberglass ceiling tiles (CT1).



Photo No. 2.

Date:

December 20, 2024

Location:

Electrical Room
(Loc. 1-08)

Description:

Non-asbestos vinyl sheet flooring (VSF3).





Client Name:

City of Toronto

Site Location:

Toronto Water Offices
95 The Esplanade, Toronto, Ontario

Project No.

29001

Photo No. 3.

Date:

December 20, 2024

Location:

Building Exterior
(Loc. 0-00)

Description:

Non-asbestos grey
window caulking.

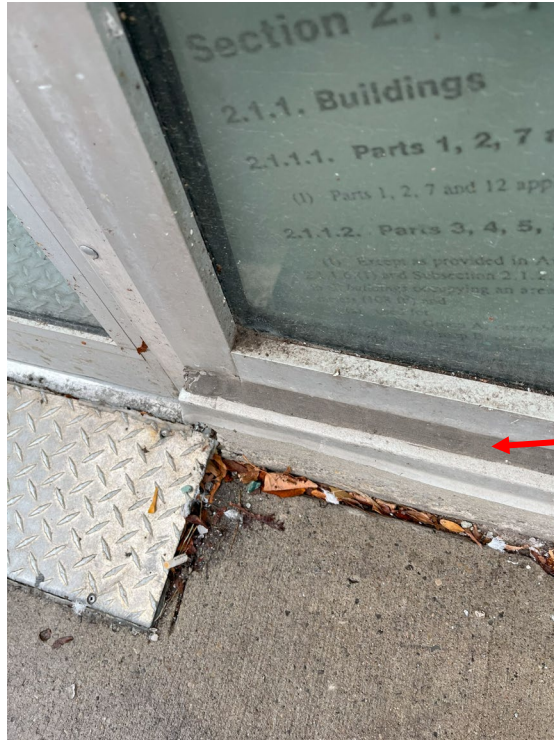


Photo No. 4.

Date:

December 20, 2024

Location:

Kitchen (Loc. 1-04)

Description:

Non-asbestos sink
mastic.

