Corridor Ceiling & Accessibility Renovation Project

Orchard Park Secondary School

Designated Substance Audit Report

Project Location:
200 Dewitt Road, Hamilton, ON

Prepared for:
Hamilton-Wentworth District School Board
20 Education Court, PO Box 2558
Hamilton, ON L8N 3L1

Prepared by:
MTE Consultants Inc.
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Revised January 23, 2025

MTE File No.: 56042-100

Engineers, Scientists, Surveyors.

Contents

Appendices

1.0 INTRODUCTION

1.1 Authorization

MTE Consultants Inc. (MTE) was retained by Hamilton-Wentworth District School Board (the Client) to conduct a Designated Substance Audit for the building located at 200 Dewitt Road in Stoney Creek, Ontario.

The purpose of the audit was to identify the presence of Designated Substances within the building in accordance with Section 30 of the Occupational Health & Safety Act (OHSA), in advance of upcoming renovations. This report meets the requirements of Section 30 of the OHSA and the requirements of Ontario Regulation (O. Reg.) 278/05.

2.0 SCOPE OF WORK

As requested by the Client, this assessment was limited to:

- The Main Entrance;
- The first and second floor Corridor ceilings;
- Main Office Vestibule; and,
- Washroom 1059.

These areas are referred to in the following sections as the “Subject Areas”.

The Scope of Work for this assessment was completed by MTE and included the following activities:

- Review of existing or historical reports and documentation pertaining to Designated Substances within the building;
- Visual inspection of accessible locations within the Subject Areas to identify the following suspect Designated Substances and Hazardous Building Materials:
  - Asbestos;
  - Lead;
  - Mercury;
  - Silica;
  - Mould growth;
  - Ozone Depleting Substances; and,
  - Polychlorinated Biphenyls limited to fluorescent light ballasts/sealants;
- The following Designated Substances are not expected to be present due to the building use or in a form that is hazardous: Acrylonitrile, Arsenic, Benzene, Coke Oven Emissions, Ethylene Oxide, Isocyanates, and Vinyl Chloride;
- Collection of bulk building material samples suspected to contain asbestos;
- Collection of paint scrape samples suspected to contain lead;
- Collection of sealant samples to determine Polychlorinated Biphenyl (PCB) content;
- Submission of samples to an accredited and/or qualified laboratory;
- Interpretation of laboratory results; and,
- Preparation of this report of findings and recommendations.

3.0 METHODOLOGY AND ASSESSMENT CRITERIA

This audit was conducted using visual and laboratory identification methods for the assessment of materials outlined in Section 2.0 and their corresponding location and use. Materials that are determined to be asbestos-containing materials (ACM) are further classified by their friability and condition. The areas outlined in Section 2.0 were inspected and limited to building components, materials and service connections. Notwithstanding that reasonable attempts were made to identify all Designated Substances, the possibility of concealed substances and material exists and may not become visible until substantial demolition has occurred and therefore are currently undocumented. All work was conducted in accordance with industry accepted methods and MTE Standard Operating Procedures and did not include the following:

- Materials indicated in this report as “Potentially Concealed”;
- Locations that may be hazardous to the surveyor (located at heights, electrical equipment, confined spaces);
- Where invasive inspection could cause consequential damage to the property or impair the integrity of the equipment, such as roof system, exterior finishes, underground services or components of mechanical equipment;
- Locations concealed by building finishes that require substantial demolition or removal for access or determination of quantities (plumbing or electrical lines);
- Non-permanent items or personal contents, furnishings; and,
- Settled dust or airborne agents unless otherwise stated.

4.0 ASSESSMENT AND RESULTS

An inspection of the building was conducted by MTE on November 28, 2024.

A description of the building and assessed finishes is provided below. Refer to Section 4.1 for a summary of findings.

Building Element	Description
Electrical/Plumbing Systems	Fluorescent Light tubes, bulbs
Floor Finishes	Terrazzo
Wall Finishes	Ceramic tile & grout
Ceiling Finishes	Drywall 2’ x 2’ Random Pinhole ceiling tiles 2’ x 2’ Small Fissure Random Pinhole ceiling tiles 2’ x 2’ Dimple Pattern Random Pinhole ceiling tiles

As part of this assignment, MTE reviewed “Orchard Park Secondary School Asbestos Inventory” which was prepared by Regulated Substance Team and dated 2024. Review of this report indicated the following Designated Substances have been confirmed or suspected present within the building:

Item	Material Description	Location
Confirmed ACM	Mechanical Insulation	Above drop-ceiling throughout Corridors
	Asbestos Transite Panels	Ceiling - Stair L1, Z1, Y1, B1

Item	Material Description	Location
	Drywall Joint Compound	Ceiling - Stairs Y2, Z2, B2, L2 Washroom 1059

Information provided by others was relied on in good faith in the preparation of this report and was accepted as accurate without independent verification or confirmation by MTE. No other warranty or representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

4.1 Findings and Analytical Results

A summary of sampling locations and analytical results are included in **Appendix A**.

Laboratory certificates of analysis are included in **Appendix B**.

Figures of inspected areas are included in **Appendix C**.

A photographic log is included in **Appendix D.**

A detailed summary of findings and recommended actions is provided in **Table 4.4 of Appendix A.**

4.1.1 Asbestos

Asbestos was used in building materials throughout the years with a peak usage in the 1950s and 1960s. While the manufacture of most ACM was banned in the 1970s, buildings constructed in the 1980s have the potential for ACM as well. In 1986, legislation limiting the use of asbestos in consumer products was introduced.

As part of this inspection, a total of 24 bulk samples of suspect ACM were submitted for asbestos analysis with a total of 18 analyses being performed. The difference between the number of samples submitted and the number of samples analysed can be a function of either the stop-positive method or the requirement of analyzing multiple layers, performed by the laboratory, from a single sample reported as additional samples or subsets of a sample.

Bulk samples were submitted for asbestos analysis to Paracel Laboratories Ltd. (Paracel), in Mississauga, Ontario. Paracel is certified under the Canadian Association of Laboratory Accreditation to perform asbestos analysis of bulk samples (accreditation number A3762). Laboratory analysis was conducted in accordance with the United States Environmental Protection Agency (USEPA), Test Method EPA/600-R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June, 1993 by Polarized Light Microscopy (PLM) as prescribed by O. Reg. 278/05.

Based on the laboratory results and visual identification, ACM was confirmed present at the time of the inspection. In addition, suspect ACM was either observed or may potentially be concealed by building finishes.

4.1.2 Lead

Lead was historically used in mortar pigments, ceramic glazing; plumbing solder, electrical equipment and electronics solder, in pipe gaskets as packing in cast iron bell and spigot joints of sanitary drains, flexible plumbing connections, flashing panels, acoustical dampeners, phone cable casing and some architectural applications. In buildings constructed after 1990, these applications are no longer applicable outside of specialized uses (shielding for medical imaging etc.).

As part of this inspection, a total of 3 paint scrape samples were collected from surfaces and represent the paint colours observed throughout the Subject Areas.

Samples were submitted for laboratory analysis by ASTM D3335-85A “Standard Method to Test for Low Concentrations of Lead in Paint by Atomic Absorption Spectrophotometry” following MOE Method E3470 Inductively Coupled Plasma Optical Emission Spectrometry to Paracel Laboratories Ltd., in Ottawa, Ontario. Paracel is accredited by the Canadian Association of Laboratory Accreditation to perform bulk lead analysis of paint.

Based on the laboratory results and visual identification, lead-containing materials were confirmed present at the time of the inspection. In addition, lead-containing solder on copper pipe connections or lead pipe gaskets may potentially be concealed in buried lines or wall cavities.

4.1.3 Mercury

Mercury is typically used in building service applications such as fluorescent light tubes, compact fluorescent bulbs, metal halide (sodium halide) lamp bulbs, and neon lights as a vapour. Mercury may exist in thermostats and pipe or mechanical equipment thermometers as a liquid. Mercury is presumed to be present in the above materials.

Mercury-containing materials were visually identified at the time of the inspection.

4.1.4 Silica

Silica is present in rock, stone, soil, and sand. Masonry products such as concrete block, brick, and mortar, as well as concrete and associated products contain silica. Due to its ubiquitous nature, silica was historically used in a wide variety of building materials and is still used today in new construction.

Building materials that are presumed to contain silica were visually identified at the time of the inspection.

4.1.5 Mould

No water damaged or mould growth impacted building materials were observed during the inspection.

4.1.6 Polychlorinated Biphenyls (PCB)

As part of this inspection, a total of 2 sealant samples were collected from building components which may be disturbed during the proposed project. Samples were collected and submitted to Paracel for laboratory analysis under US EPA Method 8082A for PCBs. In Ontario, under Ontario Regulation 362, a PCB-containing solid is defined as any material or substance other than a PCB liquid that contains or is contaminated with PCBs at a concentration greater than 50 µg/g by weight of PCBs.

Based on the laboratory results, no PCB-containing sealants were confirmed present at the time of the inspection.

In addition to the sampled sealants, suspect PCB-containing light ballasts were visually identified during the inspection. All live electrical equipment that could not be properly and safely de-energized was not assessed, therefore light ballasts were not inspected. Light ballasts which were not accessed, will require additional investigation to determine their PCB content when removed from service.

4.1.7 Ozone-Depleting Substances (ODS)

ODS are chemical compounds that include chlorofluorocarbons (cfcs), hydrochlorofluorocarbons (hcfcs), halons, methyl bromide, carbon tetrachloride, hydrobromofluorocarbons, chlorobromomethane, and methyl chloroform which are widely used in cooling and refrigeration. The use of ODS is regulated under Ontario Regulation 463/10 *Ozone Depleting Substances and Other Halocarbons* Made under the Environmental Protection Act.

While sources of ODS may be present equipment, no ODS equipment will be impacted by the proposed work.

4.2 Conclusions and Recommendations

A detailed summary of recommended actions is provided in **Table 4.4 of Appendix A**.

In accordance with Section 30 of OHSA and Section 8 of O. Reg. 278/05, the Owner must provide a copy of this report to all contractors doing work at the building. The Owner must also provide a copy of this report to all prospective contractors.

Should any additional suspect Designated Substances be discovered during building renovation or demolition, work in the vicinity should cease and the materials should not be disturbed until proper notification, testing and abatement instructions are provided. All waste generated as a result of any and all work at the Site must be handled, transported and disposed of in accordance with Ontario Regulation 347 made under the Environmental Protection Act and local by-laws. Based on the assessment findings and analytical results, the following abatement measures are presented. It should be noted that the recommended actions are the minimum required actions, as prescribed by the appropriate Acts, regulations, guidelines, standards, codes and general best practice measures.

4.2.1 Asbestos

ACMs were identified during the assessment. If these materials, including those deemed or suspected, will be disturbed, or will likely be disturbed, during building maintenance, renovations, construction, or demolition activities, they must be handled and disposed of in accordance with the procedures prescribed by O. Reg. 278/05.

All asbestos work must be conducted by contractors who are trained in the type of asbestos operations required, and should be overseen by a qualified third party Health, Safety and Environmental professional. In order to conduct Type 3 asbestos operations, contractors must be certified as Asbestos Abatement Workers AAW (Trade code 253W) and Asbestos Abatement Supervisors AAS (Trade code 253S) by The Ministry of Training, Colleges and Universities (Ministry of Advanced Education and Skills Development) as prescribed by Section 20 of O. Reg. 278/05. Suspect or visually confirmed ACM must be deemed to be asbestos-containing and treated as if they contain a type of asbestos other than Chrysotile.

ACM may also be present in concealed locations and if construction, renovation, alteration, or maintenance activities are planned, invasive inspections of concealed locations for potential ACM must be performed prior to such activities.

Should any suspect ACM be discovered during the course of construction, renovation, alteration, or maintenance activities, work which disturbs the material must cease immediately. Suspect ACM must be treated as asbestos-containing or sampled prior to disturbance to assess the presence of asbestos.

4.2.2 Lead

Lead-containing paint was identified. As such special requirements for the management, handling and disposal of lead-containing materials by the owner, constructor, contractor, sub-contractors and workers apply. The abatement contractor should consult Environmental Abatement Council of Canada's (EACC) *Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014)* for the procedures and methods required to remove and dispose of lead-containing materials.

Low level lead-containing paint is also present and the following general procedures are recommended as a precautionary measure as per Environmental Abatement Council of Canada's (EACC) *Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014)*:

- General dust control;
- The washing of hands and face at on-site facilities;
- No smoking, eating, chewing gum or drinking in the work area; and,
- No removal of painted surfaces by means of abrasive blasting.

4.2.3 Mercury

Mercury-containing materials were identified. All mercury containing materials or sources should be removed, intact, prior to any work which may disturb or damage them and cause worker exposure to mercury liquid and/or vapour.

On-site crushing of mercury-containing materials should not occur. Care should be taken to ensure safe storage of the above until recycling or disposal can be coordinated. Under current legislation, mercury waste requires handling and disposal in accordance with Ontario Regulation 490/09 of the OHSA and Ontario Regulation 347 of the Environmental Protection Act.

4.2.4 Silica

Silica is presumed to be present; therefore, special requirements for management and handing are required. The contractor should also consult MOL Occupational Health and Safety Branch's Guideline: *Silica on Construction Projects* (April 2011) for the procedures and methods required to remove and dispose of silica-containing materials.

4.2.5 Mould

No water damage or suspect mould growth was observed during the assessment therefore no special management and handling requirements are warranted.

4.2.6 Polychlorinated Biphenyls (PCB)

Suspect PCB-containing fluorescent light ballasts were identified but could not be conclusively classified as PCB-containing or non-PCB-containing.

It is the responsibility of the owner to inspect, or ensure the inspection of all light ballasts as they are removed from service to make certain they are properly classified as PCB-containing or non-PCB containing. Fixtures will require dismantling to access date stamps (located on the back of the ballast) in order to be correctly classified in accordance with Environment Canada's document "*Identification of Lamp Ballasts Containing PCBs, Report EPS 2/CC/2 (revised), August 1991"*.

Statutory Orders and Regulations (SOR)/2008-273, the *PCB Regulations*, made under the *Canadian Environmental Protection Act,* permits continued use of in-service PCB-containing light ballasts until the end of service life or until December 31, 2025.

4.2.7 Ozone Depleting Substances (ODS)

No building components presumed to contain ODS were identified which will impacted by the proposed renovations and no special requirements for management, handing and disposal by the owner, constructor, contractor, sub-contractors and workers apply.

5.0 LIMITATIONS

Services performed by **MTE Consultants Inc.** (MTE) were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Environmental Engineering & Consulting profession. No other representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

This report was completed for the sole use of MTE and the Client. It was completed in accordance with the approved Scope of Work referred to in Section 2.0. As such, this report may not deal with all issues potentially applicable to the site and may omit issues that are or may be of interest to the reader. MTE makes no representation that the present report has dealt with all-important environmental features, except as provided in the Scope of Work. All findings and conclusions presented in this report are based on site conditions, as they existed during the time period of the investigation. This report is not intended to be exhaustive in scope or to imply a risk-free facility.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based upon it, are the responsibility of such third parties. MTE accepts no responsibility for liabilities incurred by or damages, if any, suffered by any third party as a result of decisions made or actions taken, based upon this report. Others with interest in the site should undertake their own investigations and studies to determine how or if the condition affects them or their plans.

It should be recognized that the passage of time might affect the views, conclusions and recommendations (if any) provided in this report because environmental conditions of a property can change. Should additional or new information become available, MTE recommends that it be brought to our attention in order that we may re-assess the contents of this report.

All of which is respectfully submitted,

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Appendix A

Tables

TABLE 4.1: BULK ASBESTOS SAMPLE SUMMARY TABLE				
Sample #	**Location**	**Material Description**	**Asbestos Results (% Type)**	**Is Material ACM**
S01A	WASHROOM 1059	WALL TILE GROUT	ND	NO
S01B	WASHROOM 1059	WALL TILE GROUT	ND	NO
S01C	WASHROOM 1059	WALL TILE GROUT	ND	NO
S02A	**WASHROOM 1059**	**CEILING DRYWALL JOINT COMPOUND**	**4% CHRYSOTILE**	**YES**
S02B	**WASHROOM 1059**	**CEILING DRYWALL JOINT COMPOUND**	**NA**	**YES**
S02C	**WASHROOM 1059**	**CEILING DRYWALL JOINT COMPOUND**	**NA**	**YES**
S03A	SAMPLED IN CORRIDOR 1055 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - RANDOM PINHOLE CEILING TILE	ND	NO
S03B	SAMPLED IN CORRIDOR 1055 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - RANDOM PINHOLE CEILING TILE	ND	NO
S03C	SAMPLED IN CORRIDOR 1055 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - RANDOM PINHOLE CEILING TILE	ND	NO
S04A	SAMPLED IN CORRIDOR 1053 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - SMALL FISSURE RANDOM PINHOLE	ND	NO
S04B	SAMPLED IN CORRIDOR 1053 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - SMALL FISSURE RANDOM PINHOLE	ND	NO
S04C	SAMPLED IN CORRIDOR 1053 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - SMALL FISSURE RANDOM PINHOLE	ND	NO
S05A	SAMPLED IN FOYER 1001 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - DIMPLE PATTERN RANDOM PINHOLE	ND	NO
S05B	SAMPLED IN FOYER 1001 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - DIMPLE PATTERN RANDOM PINHOLE	ND	NO
S05C	SAMPLED IN FOYER 1001 (BUT OBSERVED THROUGHOUT INTERIOR CORRIDORS)	2'X2' CEILING TILE - DIMPLE PATTERN RANDOM PINHOLE	ND	NO
S06A	**MAIN ENTRANCE**	**WINDOW GLAZING**	**5% CHRYSOTILE**	**YES**
S06B	**MAIN ENTRANCE**	**WINDOW GLAZING**	**NA**	**YES**
S06C	**MAIN ENTRANCE**	**WINDOW GLAZING**	**NA**	**YES**
S07A	MAIN ENTRANCE	BLACK GASKET ON DOOR FRAMES	ND	NO
S07B	MAIN ENTRANCE	BLACK GASKET ON DOOR FRAMES	ND	NO
S07C	MAIN ENTRANCE	BLACK GASKET ON DOOR FRAMES	ND	NO
S08A	**MAIN ENTRANCE EXTERIOR**	**WHITE SEALANT**	**8% CHRYSOTILE**	**YES**

TABLE 4.1: BULK ASBESTOS SAMPLE SUMMARY TABLE				
Sample #	**Location**	**Material Description**	**Asbestos Results (% Type)**	**Is Material ACM**
S08B	**MAIN ENTRANCE EXTERIOR**	**WHITE SEALANT**	**NA**	**YES**
S08C	**MAIN ENTRANCE EXTERIOR**	**WHITE SEALANT**	**NA**	**YES**

NA: Not Analyzed due to stop positive method **ND**: No asbestos fibres detected above the laboratory minimum detection limit

A bulk material sample containing 0.5% or more asbestos therefore establishes that material as asbestos-containing. In accordance with Table 1 of O. Reg. 278/05, a minimum number of samples for the material to be classified as non asbestos. A homogeneous material is defined by O. Reg. 278/05 “as material that is uniform in colour and texture”. Homogeneous samples are identified by an alphabetical suffix to sample names to represent multiple samples of a homogeneous material. When a homogeneous material is analysed it is determined to be asbestos-containing upon the first positive detection of asbestos equal to or greater than 0.5%. Subsequent samples of the same material are therefore not analysed. Some bulk samples are comprised of multiple layers and as such will require multiple analysis. In such cases each layer is isolated at the laboratory and analysed individually to determine asbestos content. As a result the laboratory may report additional samples beyond the submitted number of samples or include multiple analyses as subsets within a sample.

TABLE 4.2: LEAD IN PAINT SAMPLE SUMMARY TABLE					
Sample #	**Location**	**Colour**	**Material**	**Lead Content (ug/g)**	**Classification**
LP1	WASHROOM 1059	BROWN	DOOR FRAMES	37	LOW LEVEL LEAD-CONTAINING
LP2	**WASHROOM 1059**	**ORANGE**	**BATHROOM STALLS**	**1,567**	**LEAD-CONTAINING**
LP5	MAIN OFFICE DOORS	GREY	DOOR AND FRAMES	26	LOW LEVEL LEAD-CONTAINING

"<": The samples analysed reported concentrations of lead to be less than 1000 ug/g and are therefore classified as low level lead-containing. However, no lead concentrations were reported above the sample specific laboratory detection limit.

As outlined in EACO's Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014), for the purpose of classifying surface coatings and mortars by laboratory analysis, any material containing lead at a concentration:

- Greater than 0.5% by weight (5,000 µg/g, mg/kg, ppm) is considered lead-based;
- Between 0.1 % and 0.5% by weight (1,000 to 5,000 µg/g, mg/kg, ppm) is considered lead-containing; or
- Less than 0.1% (1,000 µg/g, mg/kg, ppm) is considered low level lead-containing.

TABLE 4.3: BULK PCB SAMPLE SUMMARY TABLE				
Sample #	**Location**	**Material Description**	**PCB Content (ug/g)**	**Classification**
PCB1	MAIN ENTRANCE	BLACK GASKET ON DOOR FRAMES	<5	Non-PCB
PCB2	MAIN ENTRANCE EXTERIOR	WHITE SEALANT	<5	Non-PCB

As outlined in the Statutory Orders and Regulations (SOR)/2008-273, the PCB Regulations, made under the Canadian Environmental Protection Act, 1999, any material containing PCB at a concentration:
• Greater than 50 µg/g is considered PCB-Containing

Table 4.4 - Summary of Designated Substances and Recommended Actions

200 Dewitt Road, Stoney Creek, Ontario

Material	Location(s)	Material Description	Management Requirements If No Impacts to Material	Recommended Actions If Material Will Be Or Likely Be Impacted By Maintenance, Renovation, Construction or Demolition Activities
Asbestos Non-Friable	Main entrance	Black Window Glazing	In place management in accordance with O. Reg. 278/05	Removal in accordance with O. Reg. 278/05 as a Type 1 Operation
	Main entrance	Exterior White Sealant		
Asbestos Non-Friable	Washroom 1059, 1059A, 1059B and Stairwells Y2, Z2, B2, L2	Drywall	In place management in accordance with O. Reg. 278/05	Removal in accordance with O. Reg. 278/05 < $1m^2$ as a Type 1 Operation and for > $1m^2$ as a Type 2 Operation - Hand tools only in conjunction with dust suppression
Asbestos Non-Friable	Stairwells L1, Z1, Y1, B1	Asbestos Cement (Transite) Ceiling Tiles	In place management in accordance with O. Reg. 278/05	Removal in accordance with O. Reg. 278/05 as a Type 1 Operation
Asbestos Friable	Above Drop Ceilings	Insulation on Pipe Fittings	In place management in accordance with O. Reg. 278/05	Removal in accordance with O. Reg. 278/05 < $1m^2$ as a Type 2 or Type 2 Glove Bag Operation and for > $1m^2$ as a Type 2 Glove Bag or Type 3 Operation

Table 4.4 - Summary of Designated Substances and Recommended Actions				
200 Dewitt Road, Stoney Creek, Ontario				
Material	**Location(s)**	**Material Description**	**Management Requirements If No Impacts to Material**	**Recommended Actions If Material Will Be Or Likely Be Impacted By Maintenance, Renovation, Construction or Demolition Activities**
Lead-Containing Paint	Washroom 1059B	Orange Paint on Washroom Stalls	In place management in accordance with EACC's Lead Guideline	Removal as required prior to maintenance, renovations, construction or demolition activities in accordance with EACC's Lead Guideline as a: Class 1, Class 2A, Class 3A, or a Class 3B Operation
Low Level Lead-Containing Paint	Washroom 1059	Brown Paint on Door Frames	None	General hygiene procedures during renovation activities: • General dust control, • Washing of hands and face at on-site facilities, • No smoking, eating, chewing gum or drinking in the work area, • No abrasive blasting.
	Main Office	Grey Paint on Doors/Frames		
Potentially Concealed Lead	Throughout Interior of Building on Plumbing Connections	Lead Solder on Copper Pipe	In place management in accordance with EACC's Lead Guideline	Removal prior to renovation/demolition activities in accordance with EACC's Lead Guideline as a: Class 1 Operation
Potentially Concealed Lead	Concealed on Sanitary/Waste Lines	Lead Packed Pipe Gaskets	None	Invasive inspection prior to renovation or demolition activities. If confirmed present, removal in accordance with EACC's Lead Guideline as a: Class 1 Operation
Mercury	Throughout Interior of Building in Light Fixtures	Fluorescent Light Tubes in Light Fixtures	None	Intact removal and storage with no on-site crushing and disposal of materials to a licensed facility
Silica	Throughout Interior and Exterior of Building	Brick and Mortar, Terrazzo, , Ceramic Tile and Grout, Concrete	None	Conduct any work during renovation, demolition activities in accordance with the Ministry of Labour Guideline Silica on Construction Projects

Table 4.4 - Summary of Designated Substances and Recommended Actions

200 Dewitt Road, Stoney Creek, Ontario

Material	Location(s)	Material Description	Management Requirements If No Impacts to Material	Recommended Actions If Material Will Be Or Likely Be Impacted By Maintenance, Renovation, Construction or Demolition Activities
Potentially Concealed PCBs	Light Fixtures Throughout	Fluorescent Light Ballasts in Light Fixtures	SOR/2008-273, the PCB Regulations, permits continued use of in-service PCB-containing light ballasts until the end of service life or until December 31, 2025	Assess Each Ballast Upon Removal From Service Appropriate storage and disposal of any PCB-containing ballasts in accordance with SOR/2008-273

Notes:
1) A copy of this report should be provided to all prospective contractors prior to quotation, in accordance with Section 30 of the Occupational Health and Safety Act.
2) Recommended actions are the minimum required actions, as prescribed by the appropriate Acts, regulations, guidelines, standards, codes and general best practice measures. Prior to demolition, the Contractor may choose to alter the approach and combine or break out sections of work. This is acceptable provided that the appropriate Acts, regulations, guidelines, standards and codes are followed and afford protection for the health and safety of workers, occupants and the public that is at least equal to the protection that would be provided by complying with the minimum requirements.
3) All waste generated is subject to characterization and disposal in accordance with Ontario Regulation 347.

Appendix B

Laboratory Certificates of Analysis

PARACEL LABORATORIES LTD.
TRUSTED. RESPONSIVE. RELIABLE.

15 - 6800 Kitimat Rd
Mississauga, ON, L5N 5M1
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

MTE Consultants Inc. (Burlington)

1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8
Attn: Gavin Oakes

Client PO:
Project: 56042-100 - Orchard Park Ceiling and Access Reno DSa
Custody:

Report Date: 5-Nov-2024
Order Date: 30-Oct-2024

Order #: 2444257

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2444257-01	S01A - Tile Grout - Washroom
2444257-02	S01B - Tile Grout - Washroom
2444257-03	S01C - Tile Grout - Washroom
2444257-04	S02A - DWJC - Washroom Ceiling
2444257-05	S02B - DWJC - Washroom Ceiling
2444257-06	S02C - DWJC - Washroom Ceiling
2444257-07	S03A - 2'x2' - Random Pin CT
2444257-08	S03B - 2'x2' - Random Pin CT
2444257-09	S03C - 2'x2' - Random Pin CT
2444257-10	S04A - 2'x2' - Small Fissure Random Pin CT
2444257-11	S04B - 2'x2' - Small Fissure Random Pin CT
2444257-12	S04C - 2'x2' - Small Fissure Random Pin CT
2444257-13	S05A - 2'x2' - Dimple Pattern Random Pin CT
2444257-14	S05B - 2'x2' - Dimple Pattern Random Pin CT
2444257-15	S05C - 2'x2' - Dimple Pattern Random Pin CT
2444257-16	S06A - 2'x2' - Window Glazing - Front Entrance
2444257-17	S06B - 2'x2' - Window Glazing - Front Entrance
2444257-18	S06C - 2'x2' - Window Glazing - Front Entrance
2444257-19	S07A - Black Gasket/Glazing - Front Entrance Doors
2444257-20	S07B - Black Gasket/Glazing - Front Entrance Doors
2444257-21	S07C - Black Gasket/Glazing - Front Entrance Doors
2444257-22	S08A - White Sealant - Exterior Front Door
2444257-23	S08B - White Sealant - Exterior Front Door
2444257-24	S08C - White Sealant - Exterior Front Door

Approved By:

Emma Diaz

Senior Analyst

Certificate of Analysis

Report Date: 05-Nov-2024

Client: MTE Consultants Inc. (Burlington)

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100 - Orchard Park Ceiling and Access Reno DSa

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

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2444257-01	28-Oct-24	White	Grout	No	**Client ID: S01A - Tile Grout - Washroom**	
					Non-Fibers	100
2444257-02	28-Oct-24	White	Grout	No	**Client ID: S01B - Tile Grout - Washroom**	
					Non-Fibers	100
2444257-03	28-Oct-24	White	Grout	No	**Client ID: S01C - Tile Grout - Washroom**	
					Non-Fibers	100
2444257-04	28-Oct-24	Beige	Drywall Joint Compound	**Yes**	**Client ID: S02A - DWJC - Washroom Ceiling**	
					Chrysotile	4
					Non-Fibers	96
2444257-05	28-Oct-24	Beige	Drywall Joint Compound		**Client ID: S02B - DWJC - Washroom Ceiling**	
					not analyzed, positive stop	
2444257-06	28-Oct-24	Beige	Drywall Joint Compound		**Client ID: S02C - DWJC - Washroom Ceiling**	
					not analyzed, positive stop	
2444257-07	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S03A - 2'x2' - Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-08	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S03B - 2'x2' - Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-09	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S03C - 2'x2' - Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-10	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S04A - 2'x2' - Small Fissure Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30

Certificate of Analysis

Report Date: 05-Nov-2024

Client: MTE Consultants Inc. (Burlington)

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100 - Orchard Park Ceiling and Access Reno DSa

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

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2444257-11	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S04B - 2'x2' - Small Fissure Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-12	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S04C - 2'x2' - Small Fissure Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-13	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S05A - 2'x2' - Dimple Pattern Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-14	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S05B - 2'x2' - Dimple Pattern Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-15	28-Oct-24	Grey	Ceiling Tile	No	**Client ID: S05C - 2'x2' - Dimple Pattern Random Pin CT**	
					Cellulose	40
					MMVF	30
					Non-Fibers	30
2444257-16	28-Oct-24	Grey	Glazing	**Yes**	**Client ID: S06A - 2'x2' - Window Glazing - Front Entrance**	
					Chrysotile	5
					Non-Fibers	95
2444257-17	28-Oct-24	Grey	Glazing		**Client ID: S06B - 2'x2' - Window Glazing - Front Entrance**	
					not analyzed, positive stop	
2444257-18	28-Oct-24	Grey	Glazing		**Client ID: S06C - 2'x2' - Window Glazing - Front Entrance**	
					not analyzed, positive stop	
2444257-19	28-Oct-24	Black	Glazing	No	**Client ID: S07A - Black Gasket/Glazing - Front Entrance Doors**	
					Non-Fibers	100

PARACEL LABORATORIES LTD.

Order #: 2444257

Certificate of Analysis

Report Date: 05-Nov-2024

Client: MTE Consultants Inc. (Burlington)

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100 - Orchard Park Ceiling and Access Reno DSa

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

Paracel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2444257-20	28-Oct-24	Black	Glazing	No	**Client ID: S07B - Black Gasket/Glazing - Front Entrance Doors**	
					Non-Fibers	100
2444257-21	28-Oct-24	Black	Glazing	No	**Client ID: S07C - Black Gasket/Glazing - Front Entrance Doors**	
					Non-Fibers	100
2444257-22	28-Oct-24	Beige	Sealant	**Yes**	**Client ID: S08A - White Sealant - Exterior Front Door**	
					Chrysotile	8
					Non-Fibers	92
2444257-23	28-Oct-24	Beige	Sealant		**Client ID: S08B - White Sealant - Exterior Front Door**	
					not analyzed, positive stop	
2444257-24	28-Oct-24	Beige	Sealant		**Client ID: S08C - White Sealant - Exterior Front Door**	
					not analyzed, positive stop	

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

**** Analytes in bold indicate asbestos mineral content.**

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation	Analysis Date
Asbestos, PLM Visual Estimation	AppE to SubE of 40CFR Part763 and EPA/600/R-93/116	1 - Mississauga	CALA 3762	5-Nov-24

Mississauga Lab: 15 - 6800 Kitimat Rd Mississauga, Ontario, L5N 5M1

Work Order Revisions | Comments

None

PARACEL LABORATORIES LTD.

2444257

ce
St. Laurent Blvd.
ntario K1G 4J8
49-1947
@paracellabs.com

Chain of Custody
(Lab Use Only)

Page 1 of 1

Client Name: MTE Consultants	Project Reference: 56042-100 - Orchard Park Ceiling and Access Reno DSa	**Turnaround Time:**	
Contact Name: Gavin Oakes; Aaron Rows	Quote #: MTE Standing Offer	☐ Immediate	☐ 1 Day
Address: 1016 Sutton Drive, Unit A	PO #:	☐ 4 Hour	☐ 2 Day
Burlington, ON L7L 6B8	Email Address: goakes@mte85.com	☐ 8 Hour	☐ 3 Day
Telephone: 905-639-2552	arows@mte85.com		☒ Regular
		Date Required:	

ASBESTOS & MOLD ANALYSIS

Matrix: ☐ Air ☒ Bulk ☐ Tape Lift ☐ Swab ☐ Other **Regulatory Guideline:** ☒ ON ☐ QC ☐ AB ☐ SK ☐ Other:

Analyses: ☐ Microscopic Mold ☐ Culturable Mold ☐ Bacteria GRAM ☐ PCM Asbestos ☒ PLM Asbestos ☐ Chatfield Asbestos ☐ TEM Asbestos

Paracel Order Number: 2444257

	Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Asbestos - Bulk: Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	S01 A-C - Tile Grout - Washroom	28 Oct 24	-	PLM		☒
2	S02 A-C - DWJC - Washroom Ceiling	28 Oct 24	-	PLM		☒
3	S03 A-C - 2'x2' - Random Pin CT	28 Oct 24	-	PLM		☒
4	S04 A-C - 2'x2' - Small Fissure Random Pin CT	28 Oct 24	-	PLM		☒
5	S05 A-C - 2'x2' - Dimple Pattern Random Pin CT	28 Oct 24	-	PLM		☒
6	S06 A-C - Window Glazing - Front Entrance	28 Oct 24	-	PLM		☒
7	S07 A-C - Black gasket/glazing - Front Entrance Doors	28 Oct 24	-	PLM		☒
8	S08 A-C - White Sealant - Exterior Front Entrance	28 Oct 24	-	PLM		☒
9						☐
10						☐
11						☐
12						☐

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments:

Method of Delivery: Paracel

Relinquished By (Sign):	Received at Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Aaron Rows			
Date/Time: 29 Oct 24 - 9:00 am	Date/Time:	Date/Time: Oct 30/24 8:45	Date/Time: Oct 30/24 09:48

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www.paracellabs.com

Certificate of Analysis

MTE Consultants Inc. (Burlington)

1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8
Attn: Gavin Oakes

Client PO:
Project: 56042-100- Orchard Park Ceiling and Access Reno DSA
Custody:

Report Date: 5-Nov-2024
Order Date: 30-Oct-2024

Order #: 2444249

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2444249-01	LP01-Brown
2444249-02	LP02- Orange
2444249-05	LP05- Grey

Approved By:

Milan Ralitsch, PhD
Senior Technical Manager

Certificate of Analysis

Report Date: 05-Nov-2024

Client: MTE Consultants Inc. (Burlington)

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100- Orchard Park Ceiling and Access Reno DSA

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-MS	EPA 6020 - Digestion - ICP-MS	2-Nov-24	2-Nov-24

Qualifier Notes:

QC Qualifiers :

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Certificate of Analysis

Report Date: 05-Nov-2024

Client: MTE Consultants Inc. (Burlington)

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100- Orchard Park Ceiling and Access Reno DSA

Sample Results

Lead

Matrix: Paint

Paracel ID	Client ID	Sample Date	Units	MDL	Result
2444249-01	LP01-Brown	29-Oct-24	ug/g	5	37
2444249-02	LP02- Orange	29-Oct-24	ug/g	5	4170
2444249-05	LP05- Grey	29-Oct-24	ug/g	5	26

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	**ND**	**5**	**ug/g**						
Matrix Duplicate									
Lead	**10.8**	**5**	**ug/g**	**20.4**			**NC**	**50**	**QR-01**
Matrix Spike									
Lead	50.2	5.00	ug/g	ND	98.8	70-130			

PARACEL LABORATORIES LTD. | TRU RES REL

Paracel ID: 2444249

Paracel Order Number (Lab Use Only)	**Chain Of Custody** (Lab Use Only)

Client Name: MTE Consultants	Project Ref: 56042-100 - Orchard Park Ceiling and Access Reno DSA
Contact Name: Gavin Oakes;Aaron Rows	Quote #: MTE Standing Offer
Address: 1016 Sutton Drive, Unit A Burlington, ON L7L 6B8	PO #:
Telephone: 905-639-2552	E-mail: goakes@mte85.com arows@mte85.com

Page 1 of 1

Turnaround Time

☐ 1 day ☐ 3 day ☐ 2 day ☑ Regular

Date Required:

☐ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Res/Park ☐ Med/Fine
☐ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/Other
☐ Table
For RSC: ☐ Yes ☐ No

Other Regulation

☐ REG 558 ☐ PWQO
☐ CCME ☐ MISA
☐ SU - Sani ☐ SU - Storm
Mun:
☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Lead											
1	LP01 - Brown	P	-	1	29 Oct 24	3:00 pm	X											
2	LP02 - Orange	P	-	1	↓	↓	X											
3	LP03 - Beige	P	-	1			X											
4	LP04 - Blue	P	-	1			X											
5	LP05 - Grey	P	-	1			X											
6																		
7																		
8																		
9																		
10																		

Comments:

Method of Delivery: Purolator

Relinquished By (Sign): Gavin Oakes	Received By Driver/Depot:	Received at Lab: AV	Verified By: AV
Relinquished By (Print): Aaron Rows	Date/Time:	Date/Time: 10/30/24 9:00	Date/Time: 10/30/24 9:15
Date/Time: 29 Oct 24 - 9:00am	Temperature: °C	Temperature:	pH Verified: ☐ By:

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Certificate of Analysis

MTE Consultants Inc. (Burlington)
1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8
Attn: Gavin Oakes

Report Date: 30-Oct-2024
Order Date: 30-Oct-2024

Client PO:
Project: 56042-100 - Orchard Park Ceiling and Access Reno DSA
Custody:

Order #: 2444261

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2444261-01	PCB1
2444261-02	PCB2

Approved By:

Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PCBs, total	SW846 8082A - GC-ECD	30-Oct-24	30-Oct-24

	Client ID:	PCB1	PCB2	-	-		
	Sample Date:	28-Oct-24 15:00	28-Oct-24 15:00	-	-	-	-
	Sample ID:	2444261-01	2444261-02	-	-		
	Matrix:	Other	Other	-	-		
	MDL/Units						
PCBs							
PCBs, total	5 ug/g	<5	<5	-	-	-	-
Decachlorobiphenyl	Surrogate	136%	137%	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs								
PCBs, total	ND	5	ug/g					
Surrogate: Decachlorobiphenyl	*6.37*		*%*	*127*	*60-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs									
PCBs, total	25	5	ug/g	ND	127	60-140			
Surrogate: Decachlorobiphenyl	*6.60*		*%*		*132*	*60-140*			

Certificate of Analysis

Report Date: 30-Oct-2024

Client: **MTE Consultants Inc. (Burlington)**

Order Date: 30-Oct-2024

Client PO:

Project Description: 56042-100 - Orchard Park Ceiling and Access Reno DSA

Qualifier Notes:

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

PARACEL LABORATORIES LTD.

Paracel ID: 2444261

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2444261	

Client Name: MTE Consultants	Project Ref: 56042-100 - Orchard Park Ceiling and Access Reno DSA	Page 1 of 1
Contact Name: Gavin Oakes;Aaron Rows	Quote #: MTE Standing Offer	Turnaround Time
Address: 1016 Sutton Drive, Unit A Burlington, ON L7L 6B8	PO #:	☐ 1 day ☐ 3 day ☐ 2 day ☑ Regular
Telephone: 905-639-2552	E-mail: goakes@mte85.com arows@mte85.com	Date Required:

☐ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Res/Park ☐ Med/Fine
☐ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/Other
☐ Table ___
For RSC: ☐ Yes ☐ No

Other Regulation: ☐ REG 558 ☐ PWQO ☐ CCME ☐ MISA ☐ SU - Sani ☐ SU - Storm
Mun: ___
☐ Other:

Matrix Type: **S** (Soil/Sed.) **GW** (Ground Water) **SW** (Surface Water) **SS** (Storm/Sanitary Sewer) **P** (Paint) **A** (Air) **O** (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	Required Analysis: PCB
1	PCB1	O	-	1	28Oct24	3:00pm	X
2	PCB2	O	-	1	28Oct24	3:00pm	X
3							
4							
5							
6							
7							
8							
9							
10							

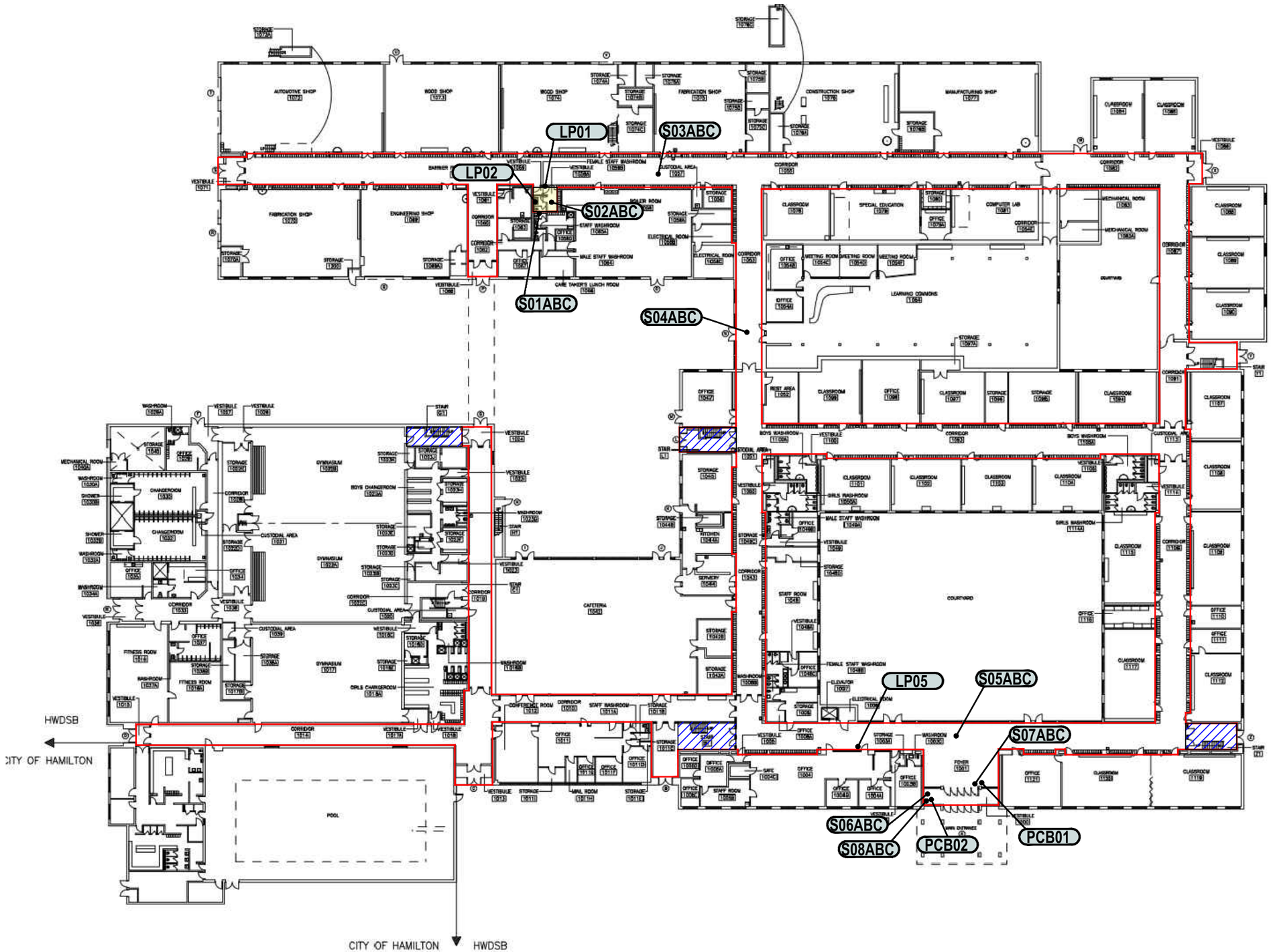
Comments:

Method of Delivery: Purolator

Relinquished By (Sign): Aaron Rows	Received By Driver/Depot:	Received at Lab: SD	Verified By: Jillian
Relinquished By (Print): Aaron Rows	Date/Time:	Date/Time: Oct 30, 2024 9:00am	Date/Time: 30Oct24 10:04
Date/Time: 29 Oct 24: 9:00 am	Temperature: °C	Temperature:	pH Verified: ☐ By:

Appendix C

Figures



Notes:

ALL DRAWINGS TO BE REFERENCED WITH THE DSA REPORT. LOCATIONS AND QUANTITIES ARE APPROXIMATE.

ALL KNOWN OR SUSPECT DESIGNATED SUBSTANCES ARE NOT DEPICTED ON THIS FIGURE. REFER TO THE DSA REPORT FOR A COMPLETE LIST OF IDENTIFIED KNOWN AND SUSPECT DESIGNATED SUBSTANCES.

THIS FIGURE IS COLOUR DEPENDENT, PHOTOCOPIES MAY ALTER INTERPRETATION OF FIGURE. ALWAYS REFER TO ORIGINAL DRAWINGS AND DSA REPORT.

Designated Substances and Hazardous Materials Legend

S02CD — Sample Identification

ACM Transite Ceiling Tiles

ACM Drywall Joint Compound on Ceiling

Scope of Work

MTE
Engineers, Scientists, Surveyors

Ph. (905) 639-2552 www.mte85.com

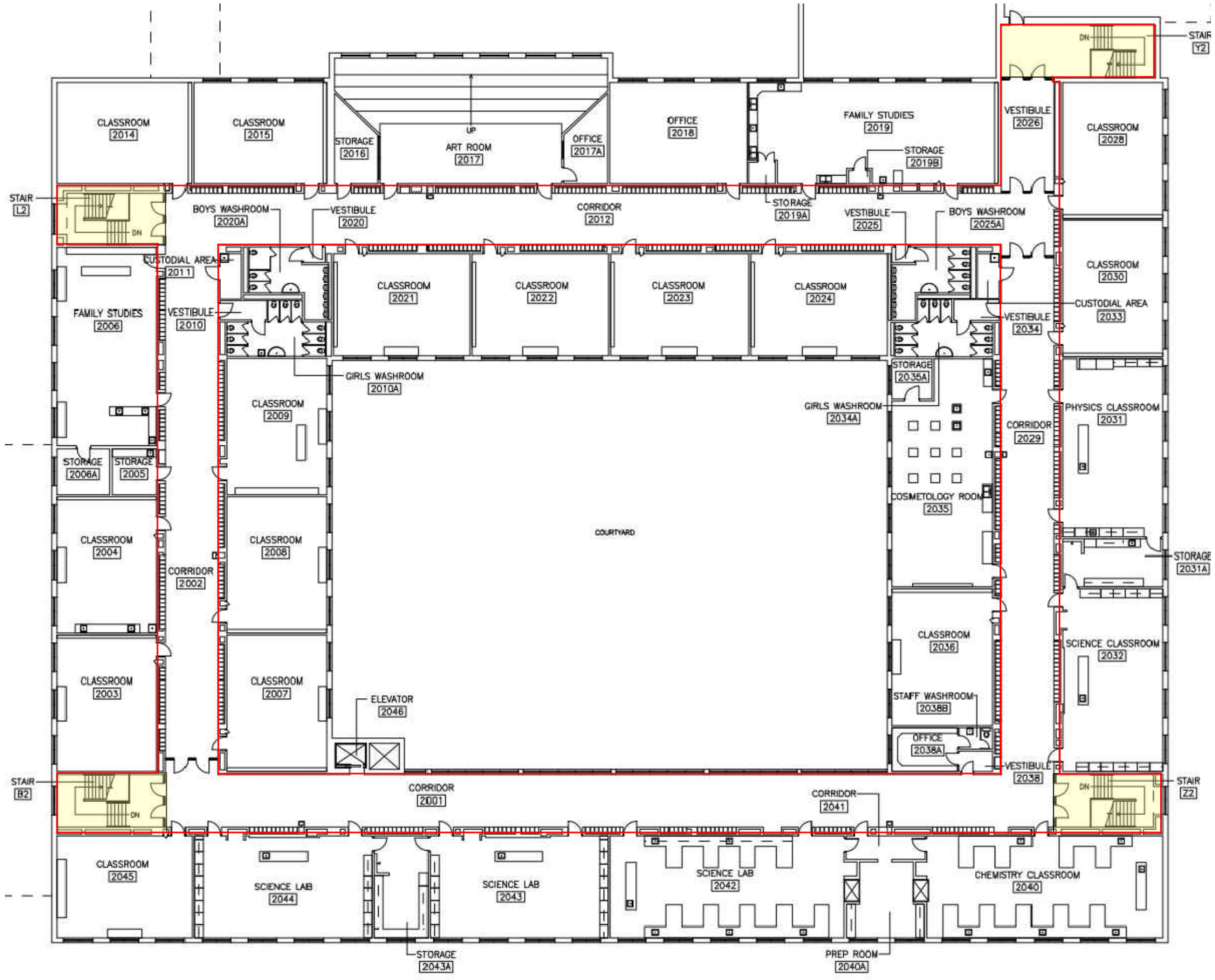
CLIENT
Hamilton-Wentworth District School Board

PROJECT
DESIGNATED SUBSTANCE AUDIT

DRAWING
ORCHARD PARK SECONDARY SCHOOL
FIRST FLOOR-200 DEWITT ROAD
HAMILTON, ON

Project Manager	G. OAKES	Date	November 2024
Baseplan By	MTE	Project No.	56042-100
Figure By	SXS	Drawing No.	1.0
Scale	N.T.S.		

Project: 56042-100 CAD: P:\P\56042\100\56042-100.DWG
November 12, 2024 2:00 pm Plotted By: SXS



Notes:

ALL DRAWINGS TO BE REFERENCED WITH THE DSA REPORT. LOCATIONS AND QUANTITIES ARE APPROXIMATE.

ALL KNOWN OR SUSPECT DESIGNATED SUBSTANCES ARE NOT DEPICTED ON THIS FIGURE. REFER TO THE DSA REPORT FOR A COMPLETE LIST OF IDENTIFIED KNOWN AND SUSPECT DESIGNATED SUBSTANCES.

THIS FIGURE IS COLOUR DEPENDENT, PHOTOCOPIES MAY ALTER INTERPRETATION OF FIGURE. ALWAYS REFER TO ORIGINAL DRAWINGS AND DSA REPORT.

Designated Substances and Hazardous Materials Legend

- Scope of Work
- ACM Drywall Joint Compound on Ceiling

MTE
Engineers, Scientists, Surveyors

Ph. (905) 639-2552 www.mte85.com

CLIENT
Hamilton-Wentworth District School Board

PROJECT
DESIGNATED SUBSTANCE AUDIT

DRAWING
ORCHARD PARK SECONDARY SCHOOL
SECOND FLOOR-200 DEWITT ROAD
HAMILTON, ON

Project Manager	G. OAKES	Date	November 2024
Baseplan By	MTE	Project No.	56042-100
Figure By	SXS	Drawing No.	2.0
Scale	N.T.S.		

Project: 56042-100 CAD: P:\56042\100\56042-100.DWG
November 12, 2024 2:00 pm Plotted By: SXS

Appendix D

Photographic Log

Photograph No. 1 – Drywall was observed on the ceiling of Washroom 1059.1059A, and 1059B. The compound was sampled (S02A,B,C) and is asbestos-containing.

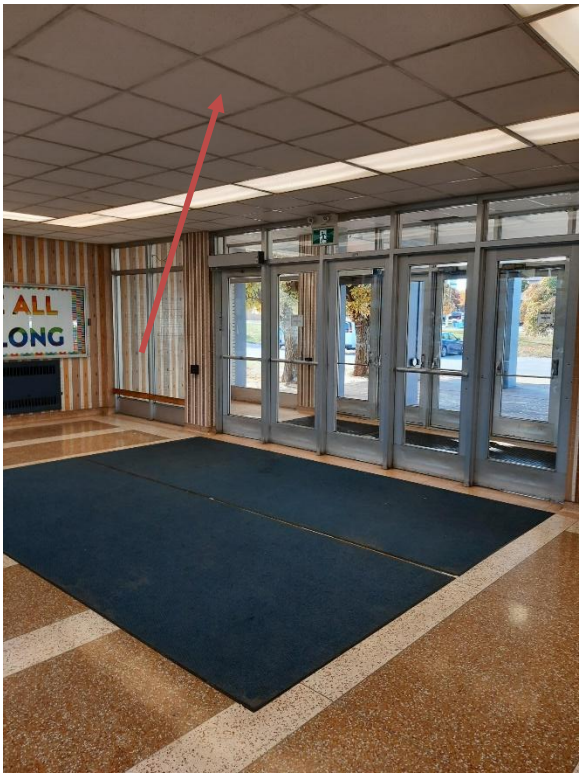
Photograph No. 2 – A small amount of black glazing was observed on the windows at the main entrance. The black glazing was sampled (S06A,B,C) and is asbestos-containing.

Photograph No. 3 – White sealant was observed on the exterior of the main entrance and was sampled (S08A,B,C). The white sealant is asbestos-containing. It was also analyzed for PCB content (PCB-2) and is non-PCB.

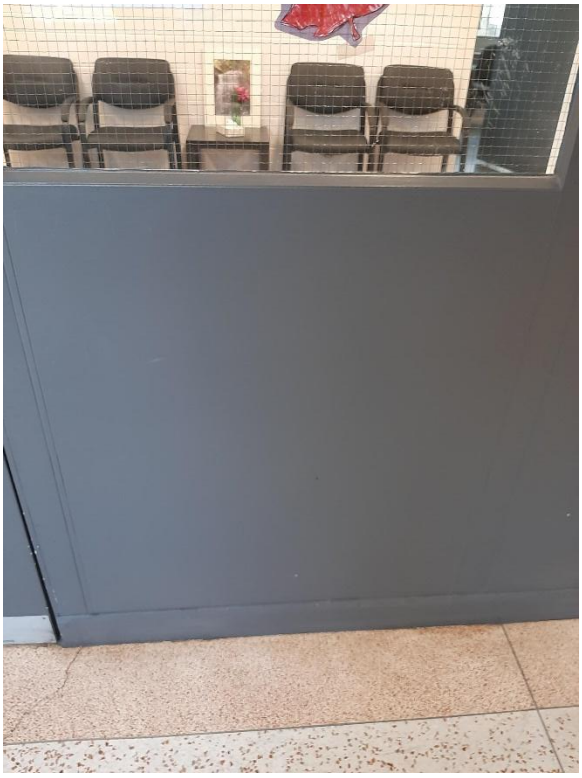
Photograph No. 4 – The orange paint observed on the stalls within Washroom 1059 was sampled (LP02) and is lead-containing.

Photograph No. 5 – 2'x2' Random pinhole ceiling tile was observed within the main corridor and was sampled (S03A,B,C). The ceiling tile is non-asbestos.

Photograph No. 6 – 2'x2' Small fissure random pinhole ceiling tile was observed within the main corridor and was sampled (S04A,B,C). The ceiling tile is non-asbestos.



Photograph No. 7 – 2'x2' Dimple pattern random pinhole ceiling tile was observed in the main entrance lobby and was sampled (S05A,B,C). The ceiling tile is non-asbestos.



Photograph No. 8 – Grey paint was observed on the main office doors/frames and was sampled (LP05). The paint is low level lead-containing.