



HAZARDOUS MATERIALS ASSESSMENT

Royalty Centre
40 Enman Crescent,
Charlottetown, PE

Prepared For:

PEI Department of Transportation & Infrastructure
P.O. Box 2000
Charlottetown, PE

June 28, 2023

ALL-TECH Project No.: PE22400



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EXECUTIVE SUMMARY

ALL-TECH Environmental Services Limited was contracted by the PEI Department of Transportation & Infrastructure (DTI) to conduct a hazardous material assessment for Royalty Centre located at 40 Enman Crescent in Charlottetown, Prince Edward Island.

The purpose of the assessment was to identify hazardous materials within the building which may require safe handling procedures and disposal requirements in accordance with their applicable regulations prior to any planned work, renovations, or demolition and to assist in the Asbestos Management Plan (AMP) of any in place asbestos containing materials (ACM).

This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

The on-site assessment was conducted in January 2023. During the assessment hazardous materials including asbestos and lead (paint) were sampled. In addition, lamp ballasts and electrical transformers were visually assessed for Polychlorinated Biphenyls (PCBs) and reported if identified.

Based on the findings from the Hazardous Materials Assessment, the following conclusions and recommendations are presented.

A summary of the Hazardous Materials identified within the building is provided below in Table A based on our assessment as well as safe handling requirements. Areas identified with visually same ACM materials are outlined in Appendix III Site drawing with ACM locations.

Asbestos containing parging cement on fittings noted in the building are not wrapped and are noted in fair condition and has been identified in the Summary of ACM conditions and action report in Appendix IV. Floor plans have been added to Appendix III to assist in locating these areas.

Some areas were noted having ACM parging cement on hangers, but this pattern was not consistent throughout. Therefore, care should be taken when dealing with any pipe systems within the building as some ACM's may not have been identified on hidden items.

Assessment Summary of ACM conditions and action report is outlined in Appendix IV and shall be used in conjunction with PEI Department of Transportation & Infrastructure's Asbestos Management Plan (2023) and shall be subject to annual review.

Other hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix V.

Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations. Should ACM not require disturbance or removal, then those identified shall remain in place and be part of the Management Plan.

TABLE A
Summary of Hazardous Materials for Management Plan
Royalty Centre

Hazardous Materials	Description / Comments	Safe Handling Requirements	Disposal Requirements
ASBESTOS	Parging cement on mechanical insulation and boiler gasket	Licensed contractor to obtain work permit prior to handling from PEI Dept. of WCB/OSH Division and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ Disposal at approved facility such as EPWMF in Wellington, PEI
	Parging cement on mechanical pipe fittings		
	Asbestos containing ceiling tiles		
	Asbestos containing transite hardboard		
	12" x 12" off-white vinyl floor tiles behind electrical room (RC-102)		
	Wall adhesive (RC-22)		
	Drywall joint compound (RC-22)		
LEAD PAINT	Green Door trim (RCP-08)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.
	Grey floor paint (RCP-09)		
	Blue wall paint (RCP-11)		
	white wall paint (RCP-12)		
	Cream color paint (RCP-16)		
	Blue paint (RCP-25)		
	White paint (RCP-26)		

	Brown door trim (RCP-29)		
SILICA	Presumed in the following building components: <ul style="list-style-type: none">• Concrete base and structure (exterior)• Terrazzo floors• Interior concrete block walls / mortar• Plasters	Trained personnel in the safe handling of silica dust and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ
MERCURY	fluorescent lamp tubes; thermostats	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

This summary should not be used alone. The report must be read in its entirety.



Larry Koughan, CET, CRSP
Project Principal
ALL-TECH Environmental Services Limited

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SITE / CLIENT INFORMATION

Project No: PE22400

Assessment Date: January 2023

Client Name: PEI Department of Transportation & Infrastructure

Address: 40 Enman Crescent
Charlottetown, PE

1 INTRODUCTION

ALL-TECH Environmental Services Limited was contracted by the PEI Department of Transportation & Infrastructure (DTI) to conduct a hazardous material assessment for Royalty Centre located at 40 Enman Crescent in Charlottetown, Prince Edward Island.

The purpose of the assessment was to identify hazardous materials within the building which may require safe handling procedures and disposal requirements in accordance with their applicable regulations prior to any planned work, renovations, or demolition and to assist in the Asbestos Management Plan (AMP) of any in place asbestos containing materials (ACM).

This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

The on-site assessment was conducted in January 2023. During the assessment hazardous materials including asbestos and lead (paint) were sampled. In addition, lamp ballasts and electrical transformers were visually assessed for Polychlorinated Biphenyls (PCBs) and reported if identified.

1.1 SURVEY OBJECTIVES

The scope of the survey was to conduct a non-destructive assessment to identify asbestos, lead, and PCBs within the subject building as well as any other suspect hazardous materials if encountered.

ALL-TECH inspected both interior and exterior spaces of the subject building to determine whether designated substances and hazardous materials were present. Representative sampling for suspect asbestos and lead paint materials was conducted as required based on industry standards and the consultant's experience.

1.2 BACKGROUND BUILDING INFORMATION

**TABLE 1
BUILDING FRAMEWORK**

Building Use	Multi-purpose
Number of Floors	2 floors
Total Area	Approximately 15,668 m ²
Year of Construction	1964
Structure	Steel; concrete; wood
Exterior Cladding	Brick; metal panel
HVAC	Fiberglass insulation or non-insulated
Roof	Not assessed
Flooring	Terrazzo; vinyl sheet flooring; vinyl floor tiles; concrete
Interior Walls	Drywall; Plaster
Ceilings	Suspended ceiling tiles; drywall

2 REGULATIONS & GUIDELINES

A summary table (Table 2) is provided for the applicable regulations, policies, codes, and / or guidelines of hazardous materials assessed for the purpose of this report. This information was used as reference to assess suspect hazardous materials and make recommendations based on the findings.

**TABLE 2
SUMMARY OF REGULATORY FRAMEWORK**

ASBESTOS	<ul style="list-style-type: none"><i>Occupational Health and Safety Act R.S.P.E.I. 1988, Cap. O-1.01 General Regulations – Part 49 (Including any amendments to May 2021).</i><i>Guide to Asbestos Management, Workers Compensation Board of PEI.</i><i>Environmental Protection Act Chapter E-9 Waste Management Regulations, Prince Edward Island</i><i>Transportation of Dangerous Goods Act (TDGA)</i>
LEAD	<ul style="list-style-type: none"><i>Hazardous Products Act</i><i>Prince Edward Island Department of Environment, Labour and Justice (PEIELJ)</i><i>Transportation of Dangerous Goods Act (TDGA)</i><i>The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.</i><i>Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.</i>
PCB's	<ul style="list-style-type: none"><i>Environmental Contaminants Act, Chlorophenyl Regulations</i><i>Environment Canada – “Identification of Lamp Ballasts Containing PCB's,” report EPS 2/CC/2 (revised) August 1991</i><i>PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.</i>

2.1 ASBESTOS

Asbestos materials can be found in one of two forms: friable asbestos or a non-friable type. Friable asbestos material refers to material that when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure. This type of asbestos material is hazardous due to its potential to become airborne, if damaged or disturbed.

Friable asbestos building products used that have been used in the past are sprayed acoustic and fire protection insulation which were installed on mechanical room ceilings, building structures, ceiling finishes, etc., and mechanical insulation on piping, tanks, boilers, vessels, etc. Some non-friable building products are vinyl acoustic floor tiles, gaskets, transite panels, piping, and shingles.

Non-friable materials if handled improperly during removal or renovations, such as cutting transite panels with an electrical tool, can cause high fiber releases.

Asbestos is classified as a hazardous material under the TDGA and must adhere to specific requirements for transfer including but not limited to waste transfer manifests and proper placards. All asbestos waste must be disposed of at an approved municipal solid waste disposal site. Recent changes from the Prince Edward Island's Department of Environment's Environmental Protection Act, Waste Resource Management Regulations have defined asbestos as "special waste" as asbestos containing materials containing 1% or greater by weight for the purpose of disposal.

All work should be carried out by personnel trained and licensed with the provincial department of the Workers Compensation Board / Occupational Health and Safety Division for asbestos abatement.

2.2 LEAD

Lead in paints is regulated under the Canadian Environmental Protection Act (CEPA) as published in Canada Gazette Part II. The lead content limit has been set to 600 mg/kg (0.06 percent by weight) for surface coating materials.

Any disturbance or removal of lead-based materials which may generate lead dust shall have to conform to the federal and provincial Occupational Health and Safety Act and Regulations. All work should be carried out by personnel trained in the safe handling of lead-based paint coatings and shall be trained in the use of respirators and be properly fit tested.

PEIELJ has established guidelines that restrict hazardous materials from municipal landfills and Construction and Demolition (C&D) waste disposal sites which potentially may migrate / leach into groundwater and cause adverse environmental impacts. Lead coated surfaces may leach from their base materials into soil and subsequent groundwater. PEIELJ has established guidelines that materials containing 1000 mg/kg or 0.1% lead by weight shall be classified as lead-based paints. If materials are

found to be above this guideline and require removal and disposal, then the materials must undergo leachate testing to assess total concentrations which could potentially leach into the ground soil and groundwater. Presently provincial requirements for lead leachate testing shall not exceed 5 mg/L. Disposal criteria for lead containing paints are based on total and leachable concentrations are as follows:

- Materials with total lead concentrations below the applicable Total guidelines can be disposed of at any C&D disposal site.
- Materials with *total lead concentrations above* the applicable Total guidelines and *leachable lead concentrations below* the applicable Leachate guidelines must be disposed of at an approved municipal solid waste landfill that has a composite liner and leachate collection system (i.e., East Prince Waste Management Facility in Wellington, PEI). A waste generator permit must first be approved and obtained by PEIELJ.
- Materials with total and leachable lead concentrations above provincial guidelines must be transported to an approved hazardous waste disposal site.

Materials with leachable lead concentrations above provincial guidelines must be manifested as dangerous goods during transport under the federal TDGA. Hazardous materials that are being disposed of out of province must comply with Interprovincial Movement of Hazardous Waste Regulations under the Canadian Environmental Protection Act (CEPA).

2.3 POLYCHLORINATED BIPHENYLS (PCB's)

In 1976, the Canadian Environment Contaminants Act passed regulations which prohibited the use of PCBs in transformer equipment. Under the same Act, the Chlorophenyl Regulations No. 1, states that PCBs cannot be used as a constituent of electrical capacitors, electrical transformers and associated electrical equipment manufactured in or imported into Canada after July 1, 1980.

There is currently no regulatory requirement to remove in-use PCBs from service. However, should suspect PCB containing light ballasts be removed from service, they should be treated as PCB waste or if confirmed to contain PCB oil in excess of 0.5 kg.

3 METHODOLOGY

The scope of work for the survey was to visually identify controlled hazardous materials for the safe handling and disposal of hazardous materials prior to renovations within the building. Where visual identification of asbestos containing materials and lead based paints were suspected but unable to be determined, samples were collected and sent to an approved laboratory for analysis.

There was limited destructive testing of structural members (i.e., walls, flooring) during the assessment. Where accessible, areas above ceiling cavities and behind walls were visually assessed to identify potentially concealed hazardous materials.

3.1 ASBESTOS

Using standard bulk sampling methodologies, representative suspect asbestos containing materials were sampled from ceiling & wall finishes, floor coverings, located throughout the building. Samples were placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

The asbestos assessment involved a visual investigation of suspect materials for the presence of asbestos containing materials. If these materials were suspected to contain asbestos, a bulk sample was collected of the representative material to be analysed with Polarized Light Microscopy.

It should be noted that asbestos containing materials may be present behind unrevealed areas. During demolition of these materials, precautions should be taken such as the use of personal protective equipment in the event of exposing concealed asbestos materials. If suspect materials are revealed, have them tested immediately.

3.2 LEAD

During the assessment, suspect lead-based paints were sampled from surfaces as determined by the consultant. Where practical, all layers of paint were removed and placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

3.3 POLYCHLORINATED BIPHENYLS

During the assessment, suspect PCB containing light ballasts were examined for PCB identification or by recording serial numbers for reference. Ballasts were inspected and manufacturers name, date and serial numbers were recorded when visible. The manufacturers identification numbers were then compared to Environment Canada's "Identification of Lamp Ballasts Containing PCB's," Report EPS 2/CC/2 9(revised), August 1991.

It should be noted that the assessment did not include the sampling / testing or analysis of the suspect PCB containing materials.

4 ASSESSMENT FINDINGS

4.1 ASBESTOS

During the survey, the consultant collected individual bulk material samples of suspect ACMs within the structure. Laboratory analysis certificates are presented in Appendix I.

A total of one hundred and sixty-seven (167) bulk material samples were collected within the building during the survey. Some of these samples such as tile floor coverings, plaster and joint compounds were separated, and a total of two-hundred and thirty-nine (239) samples were analyzed. Of the 239 samples analyzed, forty (40) were found to be asbestos containing.

Other materials such as pipe and duct insulations visually identified as fiberglass insulation were noted and not sampled.

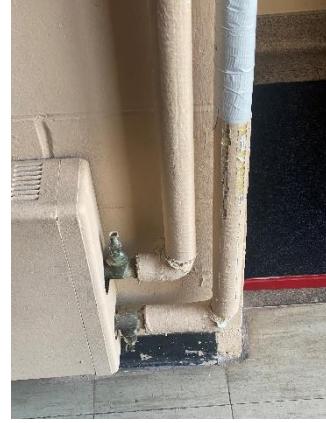
For details on approximate quantities, condition, friability, accessibility and locations of hazardous materials; refer to the **Summary of ACM conditions report** in Appendix IV.

Individual items sampled and ACM materials identified are itemized in each sub-section below.

4.1.1 *Texture Coat Finishes*

Texture coat finishes were not observed or reported	
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4.1.2 *Pipe Insulation*

ACM parging cement is present on pipe fittings as identified through various samples within the building. A total of twenty-three (23) parging cement samples were collected and 21 of them were found to contain 20% - 65% Chrysotile Asbestos .	 Photo 1	 Photo 2
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<p>Straight sections of pipe are insulated with fibreglass insulation as identified through visual observations (see Photo 4). Some brown cellulose pipe insulations were also noted and sampled (Sample RC-36; RC-52) as non-asbestos containing (Photo 3).</p>		
<p>ACM parging cement is present on hangers and fittings as identified through various samples as visual observations which would be considered fair / poor condition.</p>		
<p>ACM parging cement is present on pipe fittings in boiler room. Sample RC-33 above boiler found to contain 60% Chrysotile Asbestos.</p>		

4.1.3 Duct Insulation

Duct insulation was covered with fiberglass insulation or non-insulated. No suspect asbestos coverings were noted or reported.



4.1.4 Mechanical Equipment Insulation

ACM parging cement was sampled on mechanical boiler stack insulation in the Boiler Room and found to contain **60% Chrysotile asbestos** (photo 1).
Boiler gasket was sampled and was found to contain **50% Chrysotile asbestos** (photo 2).

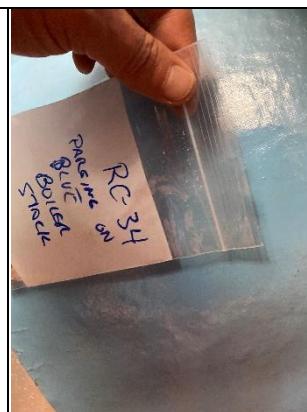


Photo 1



Photo 2

ACM parging cement was sampled on mechanical expansion valve insulation in the Boiler Room and found to contain **25% Chrysotile asbestos** (photo 3).

Boiler insulation visibly identified as fiberglass insulation (photo 4).



Photo 3



Photo 4

4.1.5 Plaster

Plaster walls and ceilings were noted and sampled in various random locations throughout the building. Representative sampling was completed on each floor and each block of the building. A total of twenty-one (21) plaster samples were collected during the assessment. None of the samples were found to be asbestos containing.



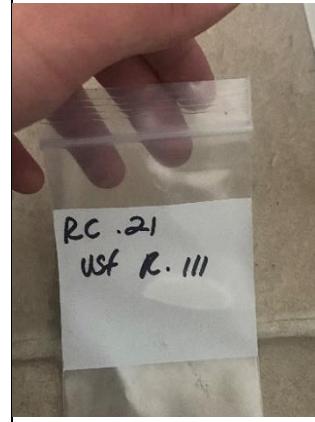
4.1.6 Drywall Joint Compound

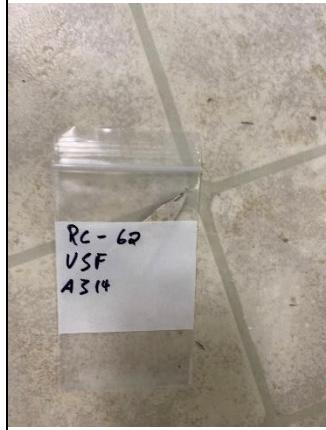
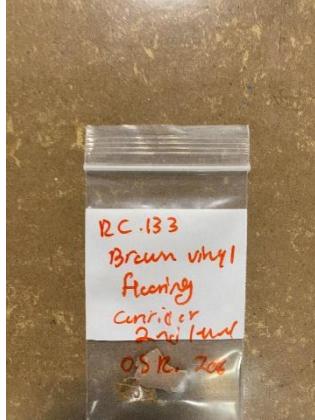
Drywall joint compound walls and ceilings were noted and sampled in various random locations throughout the building. Representative sampling was completed on each floor of the building. A total of thirty-four (34) joint compound samples were collected during the assessment. One sample was found to contain **1.7% Chrysotile asbestos** in room 113. The sample was identified with 3 layers. One layer of plaster as well as joint compound and adhesive were analyzed. Both the joint compound and adhesive were found to be asbestos containing. The plaster was non asbestos containing.



4.1.7 Vinyl Sheet Flooring

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
RC-06	Red vinyl sheet flooring with brown backing	Main corridor	None Detected in flooring or backing material	

RC-12	Green vinyl sheet flooring	Gym - Back room	None Detected	
RC-21	Brown vinyl sheet flooring	Room 111	None Detected	
RC-27	Black/brown vinyl sheet flooring with brown mastic and levelling compound	Corridor	None Detected in flooring, mastic, or levelling compound	NA
RC-48	Green/brown vinyl sheet flooring with brown mastic	Room 141 / Kitchen	None Detected in flooring or mastic	NA
RC-51	Brown vinyl sheet flooring	Room 147	None Detected	

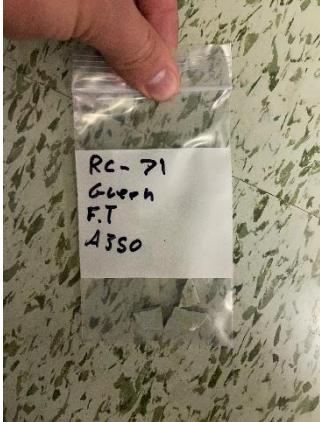
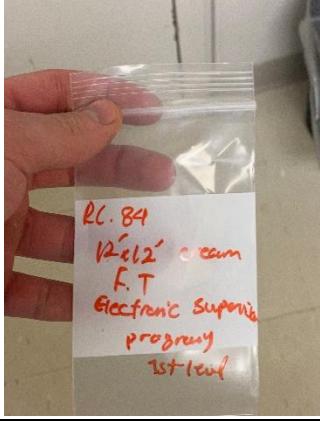
RC-62	Tan/white vinyl sheet flooring with yellow mastic	Room A314	None Detected in flooring or mastic	
RC-116	Brown vinyl sheet flooring	2 nd level- corridor	None Detected	
RC-117	Yellow vinyl sheet flooring	2 nd level	None Detected	
RC-133	Brown vinyl sheet flooring with tan backing material	Corridor- 2 nd level Outside room 206	None Detected in flooring or backing	

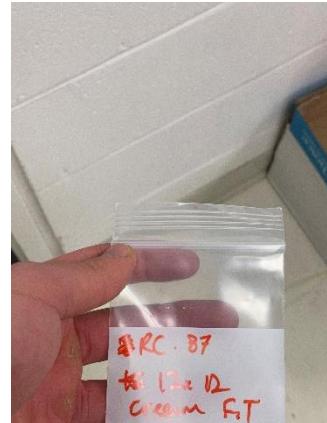
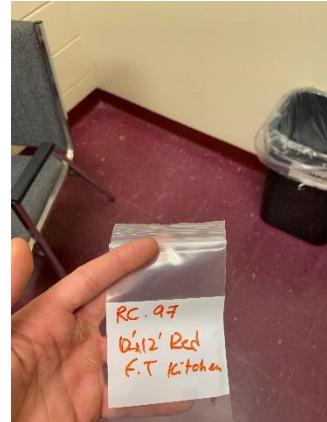
RC-134	Tan vinyl sheet flooring with brown mastic and levelling compounds	2 nd level	None Detected in flooring, mastic, or levelling compound	
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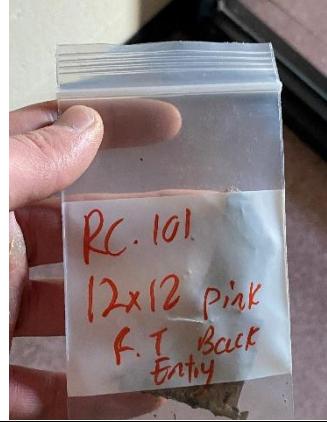
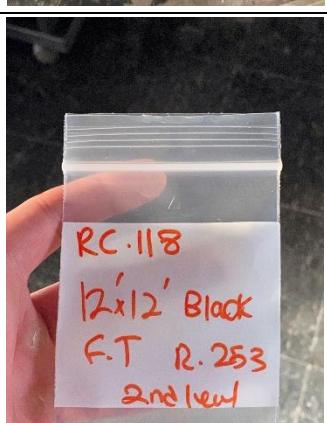
4.1.8 Vinyl Floor Tiles

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
RC-05	12" x 12" Grey/ Brown floor tile with yellow mastic	Room 106	None Detected in floor tile or mastic	NA
RC-26	12" x 12" Tan floor tile with black mastic	Room 117	None Detected in floor tile or mastic	
RC-28	12" x 12" Off- white, brown floor tile with black mastic	Room 119	None Detected in floor tile or mastic	

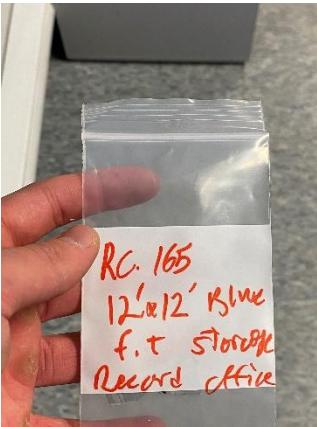
RC-41	12" x 12" Tan floor tile with black mastic	Room 121	None Detected in floor tile or mastic	
RC-47	Grey floor tile with black mastic	Room 141	None Detected in floor tile or mastic	
RC-55	12" x 12" red floor tile with black / tan mastic	Room 157	None Detected in floor tile or mastics	
RC-60	12" x 12" Brown floor tile with yellow mastic	Corridor outside room 310	None Detected in floor tile or mastic	

RC-69	12" x 12" Blue floor tile with black / yellow mastic	Room A 354	None Detected in floor tile or mastics	
RC-71	12" x 12" Green floor tile with yellow mastic	Room A 350	None Detected in floor tile or mastic	
RC-81	12" x 12" Blue/green floor tile with yellow mastic	Room 105	None Detected in floor tile or mastic	NA
RC-84	12" x 12" Off-white floor tile with black mastic	Electronic Supervision Program- 1 st level	None Detected in floor tile or mastic	

RC-87	12" x 12" Cream floor tile	Community and Correctional Services- Kitchen	None Detected	
RC-90	12" x 12" Red floor tile	1 st level -Sage room	None Detected in floor tile or mastic	
RC-98	12" x 12" Red floor tile with black mastic	Kitchen	None Detected in floor tile or mastic	
RC-100	12" x 12" Red floor tile with black and tan mastic	Office area- right side of the corridor at the end	None Detected in floor tile or mastics	

RC-101	12" x 12" Pink floor tile with black and tan mastic	Back Entry	None Detected in floor tile or mastics	
RC-102	12" x 12" Off-white floor tile with black mastic	Behind electrical room	<p>Floor tile: 1.1% Chrysotile Asbestos</p> <p>None Detected mastic</p>	
RC-118	12" x 12" Black floor tile	2 nd level- room 253	None Detected	
RC-119	12" x 12" Cream colour speckle floor tile with black mastic	2 nd level- room 255	None Detected in floor tile or mastic	

RC-138	9"x 9" Brown floor tile with brown and yellow mastics	Penthouse- Room 206	None Detected in floor tile or mastics	
RC-144	12" x 12" Light blue floor tile with black mastic and levelling compound	Room 203	None Detected in floor tile, mastic or levelling compound	
RC-156	12" x 12" Light tan floor tile with yellow mastic	2 nd level -Room 242	None Detected in floor tile or mastic	
RC-160	12" x 12" Light tan floor tile with black mastic	Room 236	None Detected in floor tile or mastic	

RC-165	12" x 12" Blue floor tile	Office in the record storage room	None Detected	
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4.1.9 Ceiling Tiles

In-lay acoustic ceiling tiles were observed and sampled in various random locations throughout the building.

Various ceiling tile compositions were noted and sampled. Ceiling tiles were observed as pinhole (photo 1), dotted (photo 2), fissure dotted (photo 3), and fissure (photo 4).

A total of thirty-seven (37) ceiling tile samples were collected during the assessment. Four (4) of samples analyzed were found to be asbestos containing (samples RC-16, RC-45, RC-89, RC-96). All samples reported as ACM ceiling tiles noted as fissure dotted tiles as noted in photo 3 with the exception of one sample(RC-45) identified as dotted ceiling tile (photo 2).

Fissure dotted ceiling tiles were found to contain **1.0% -1.3% Chrysotile asbestos**. One other sample (RC-95) was found to contain 0.75% chrysotile asbestos.

The one dotted ceiling tile reported was found to contain **1.1% Amosite asbestos**.



Photo 1



Photo 2

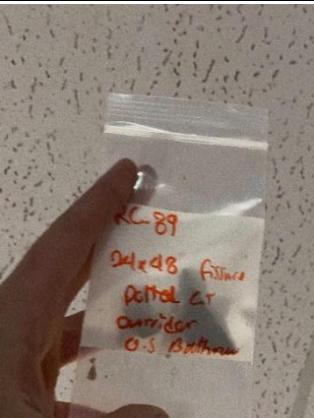


Photo 3

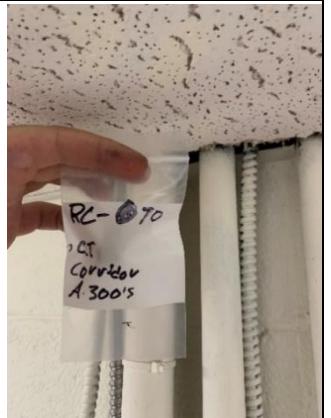


Photo 4

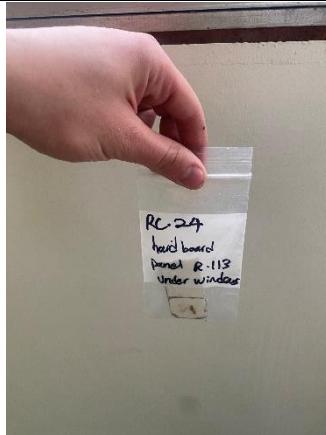
4.1.10 Transite Hardboard panels

Hardboard panels were noted and sampled in various random locations (below windows) throughout the building.

Representative sampling was completed on each floor of the building.

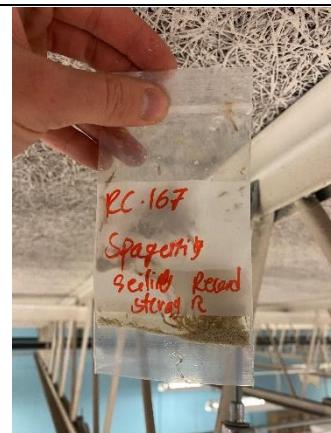
A total of nine (9) hardboard samples were collected during the assessment. All of them were found to contain **15%-25% Chrysotile Asbestos**.

Black mastics under transite hardboard samples were analyzed as non-asbestos containing.



4.1.11 Other Building Materials

Spaghetti acoustic ceiling panels were observed throughout the building and sampled. None were found to be asbestos containing (samples RC-32; RC-125; RC-167).



A grey wall adhesive layer was analyzed on sample RC-22 and was reported to contain **2.3% Chrysotile Asbestos**.

All other flooring and pipe mastics and adhesives analyzed were determined to be non-asbestos containing.

Several black mastics under transite hardboard samples were also analyzed as non-asbestos containing.

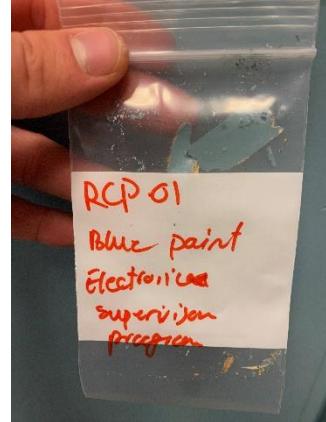
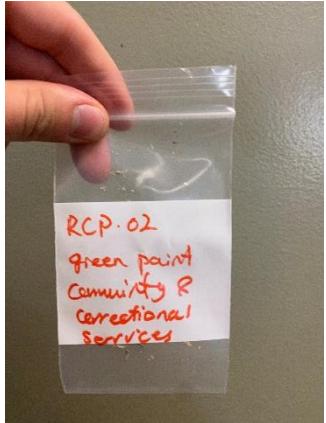


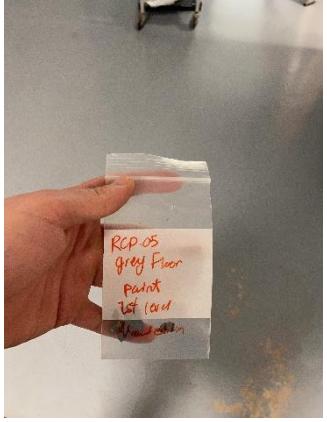
4.2 LEAD-BASED PAINTS

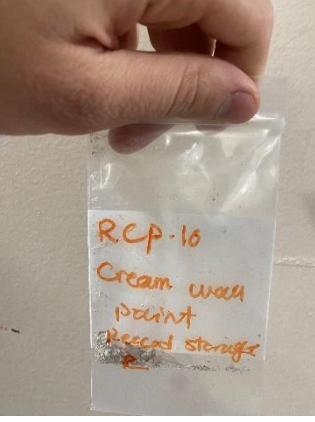
Based on the age of the buildings, lead based paints were sampled. A total of thirty-one (31) painted surface coatings were sampled within the building and sent to the laboratory for analysis for lead in paint.

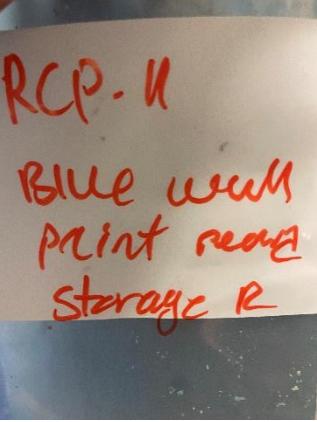
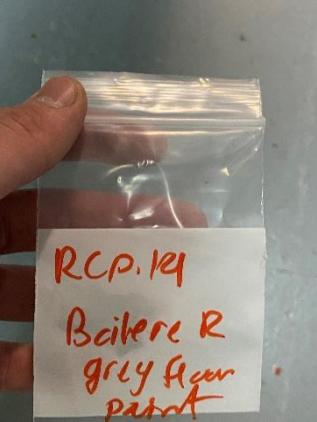
Based on the assessment findings, eight (8) of the paint layers sampled exceeded CEPA guidelines of 0.06 percent by weight for surface coating materials. Exceedances are noted in bold red in table below.

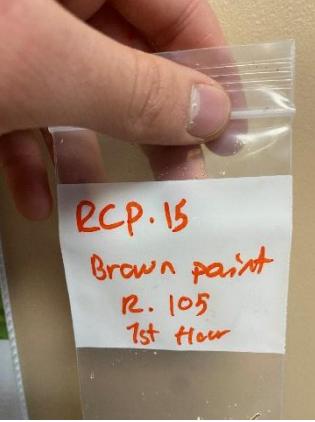
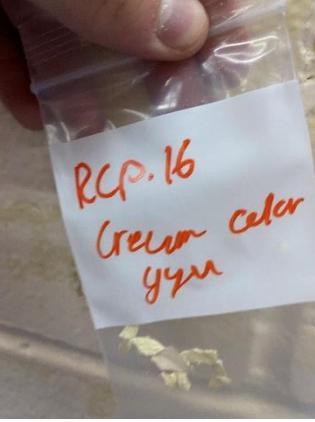
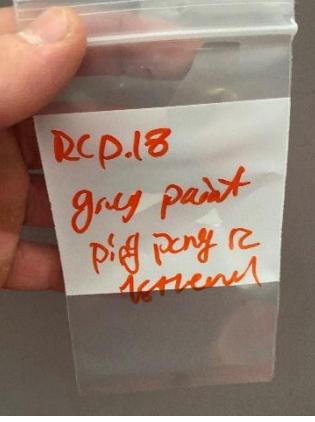
Laboratory analysis certificate is presented in Appendix II.

Sample No.:	Colour / Substrate Description	Location	Lead Content (%)	Photo
RCP-01	Blue paint / Wall surface	Electronic Supervision Program	< 0.0084	
RCP-02	Green paint / Wall surface	Community and Correctional	0.025	

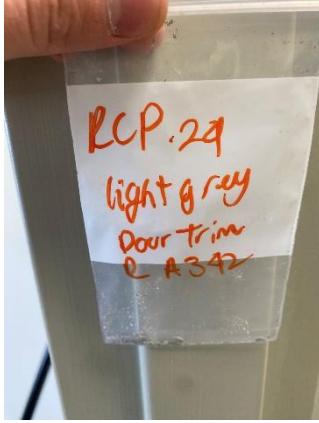
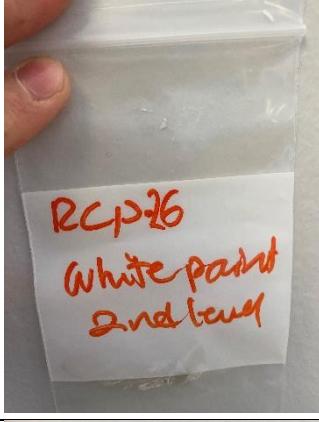
RCP-03	Grey paint / Wall surface	Sage room 1 st level	0.025	
RCP-04	White paint / Wall surface	1 st Level new section	< 0.016	
RCP-05	Grey paint / Floor surface	1 st Level new section	0.054	
RCP-06	Orange paint / Wall surface	1 st Level room B150	< 0.0095	

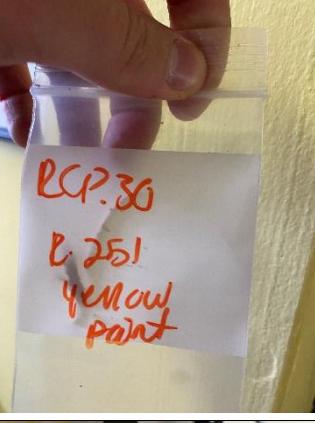
RCP-07	Light green paint / Wall surface	1 st Level	<0.0076	
RCP-08	Green paint / Door trim surface	1 st Level	0.076	
RCP-09	Grey paint / Floor surface	1 st Level record storage	0.13	
RCP-10	Cream paint / Wall surface	1 st Level record storage	0.037	

RCP-11	Blue paint / Door surface	1 st Level storage room	0.17	
RCP-12	White paint / Wall surface	1 st Level	0.17	
RCP-13	Blue paint / Door surface	1 st Level	void	
RCP-14	Grey paint / Floor surface	Boiler room	0.014	

RCP-15	Brown paint / Wall surface	1 st Level room 105	0.014	
RCP-16	Cream paint / Wall surface	Gymnasium	0.23	
RCP-17	Green paint / Wall surface	1 st Level	<0.0071	
RCP-18	Grey paint / Wall surface	1 st Level ping pong room	< 0.0079	

RCP-19	Dark blue paint / Wall surface	Room 128	< 0.014	
RCP-20	Green paint / Wall surface	Room 157	0.053	
RCP-21	White paint / Wall surface	Outside room A314	0.056	
RCP-22	Grey paint / Door trim	Room A312	<0.013	

RCP-23	Green paint / Door	Room A350	void	
RCP-24	Light grey paint / Door trim	Room A342	< 0.0097	
RCP-25	Blue paint	Exterior	0.17	
RCP-26	White paint / Wall surface	2nd level	0.26	
RCP-27	Blue paint / Door trim	2nd level	0.050	

RCP-28	Cream color paint/ Wall surface	2 nd level outside room 273	void	
RCP-29	Brown paint / Door trim	Room 201	0.073	
RCP-30	Yellow paint / Wall surface	Room 251	0.028	
RCP-31	Black paint / Stairs	Stairs	0.026	

4.3 POLYCHLORINATED BIPHENYLS (PCB's)

Through referencing and markings on lamp ballasts, it was determined that the ballasts observed on site are non-PCB containing and some others are PCB containing.

Some older model light fixtures and lamp ballasts were observed within the building. A variety of newer and older ballasts were observed and documented below in this section.

Some ballasts have been replaced with various updated non-PCB containing ballasts as noted in tables below. These ballasts are labelled as No PCB's on manufacturers labels.

If lamp ballasts with different serial numbers than those identified above are encountered during removal, it should be determined whether they are PCB-containing and disposed of accordingly. Unidentified ballasts with presence of leaking oils should be treated as PCB containing ballasts. The following is the assessed records for inspected ballasts within various random locations throughout the building.

4.3.1 *Lighting Lamp Ballasts*



4.3.2 *Transformers*

Electrical transformers were not found or reported during the assessment.

4.4 SILICA

Crystalline silica is a presumed component of the following materials:

- Concrete base structure and floors
- Terrazzo floors
- Plasters
- Interior concrete block walls / mortar
- Exterior brick and mortar

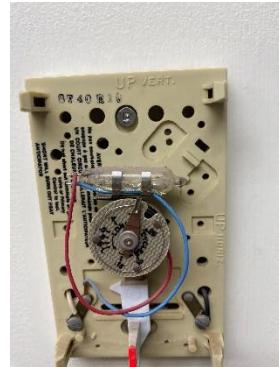
4.5 MERCURY

4.5.1 *Lighting*

Mercury vapour is present in fluorescent lamp tubes.

4.5.2 Mercury Containing Devices

Mercury containing thermostats were observed throughout the building.



5 SUMMARY OF HAZARDOUS MATERIALS

A summary of the Hazardous Materials identified within the building is provided below in Table 3 based on our assessment as well as safe handling requirements. Areas identified with visually same ACM materials are outlined in Appendix III Site drawing with ACM locations.

Asbestos containing parging cement on fittings noted in the building are not wrapped and are noted in fair condition and has been identified in the Summary of ACM conditions and action report in Appendix IV. Floor plans have been added to Appendix III to assist in locating these areas.

Some areas were noted having ACM parging cement on hangers, but this pattern was not consistent throughout. Therefore, care should be taken when dealing with any pipe systems within the building as some ACM's may not have been identified on hidden items.

Assessment Summary of ACM conditions and action report is outlined in Appendix IV and shall be used in conjunction with PEI Department of Transportation & Infrastructure's Asbestos Management Plan (2023) and shall be subject to annual review.

Other hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix V.

Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations. Should ACM not require disturbance or removal, then those identified shall remain in place and be part of the Management Plan.

TABLE 3
Summary of Hazardous Materials for Management Plan
Royalty Centre

Hazardous Materials	Description / Comments	Safe Handling Requirements	Disposal Requirements
ASBESTOS	Parging cement on mechanical insulation and boiler gasket	Licensed contractor to obtain work permit prior to handling from PEI Dept. of WCB/OSH Division and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I.	Regulatory approval from PEIELJ Disposal at approved facility such as EPWMF in Wellington, PEI
	Parging cement on mechanical pipe fittings		
	Asbestos containing ceiling tiles		
	Asbestos containing transite hardboard		
	12" x 12" off-white vinyl floor tiles behind electrical room (RC-102)		
	Wall adhesive (RC-22)		
	Drywall joint compound (RC-22)		
LEAD PAINT	Green Door trim (RCP-08)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.
	Grey floor paint (RCP-09)		
	Blue wall paint (RCP-11)		
	white wall paint (RCP-12)		
	Cream color paint (RCP-16)		
	Blue paint (RCP-25)		
	White paint (RCP-26)		
	Brown door trim (RCP-29)		

SILICA	Presumed in the following building components: <ul style="list-style-type: none"> • Concrete base and structure (exterior) • Terrazzo floors • Interior concrete block walls / mortar • Plasters 	Trained personnel in the safe handling of silica dust and all other pertinent sections of the <i>Occupational Health and Safety Act</i> R.S.P.E.I	Regulatory approval from PEIELJ
MERCURY	fluorescent lamp tubes; thermostats	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

6 ON-GOING MANAGEMENT & MAINTENANCE

The following recommendations are made regarding on-going management and maintenance work involving the hazardous materials identified.

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include; destructive testing (e.g., coring and/or removal of building finishes and components), and other materials not previously tested (e.g., roofing materials).

6.1 Asbestos

Ensure policies and procedures outlined in the buildings Asbestos Management Plan (AMP) are followed when conducting asbestos-related work at this facility.

Perform a re-assessment of asbestos-containing materials (ACM) on an annual basis. The next reassessment of ACM should be performed prior to April 2024 to remain in compliance.

Remove ACM prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings. Upon completion, update mechanical and pipe insulation that have been re-insulated with Asbestos Free labelling (figure 1).



Figure 1

6.2 Lead

For lead-containing or lead-based paints (i.e., greater than the CEPA guidelines of 600 mg/kg (0.06 percent by weight) for surface coating materials, work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Occupational Health and Safety regulations and Lead guidelines.

Dispose of painted materials exceeding the criteria for leachable lead as hazardous waste.

6.3 Silica

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with applicable regulations and guidelines.

6.4 Mercury

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps and thermostats when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

7 DISCLAIMER

The recommendations detailed in this report were carried out in a manner consistent with the level of care and skill normally exercised by reasonable members of the environmental and industrial hygiene consulting profession currently practicing under similar conditions in the area.

In preparing this report, ALL-TECH Environmental Services Limited relied on information supplied by others, including independent laboratories, and testing services. Except as expressly set out in this report, we have not made any independent verification of such information.

The recommendations in this report have been made in the context of existing industry accepted guidelines which were in place at the date of this report.

We trust this information is beneficial for assisting you in better understanding the process that has been carried out as well as the benefits and limitations of air sample results.

Should you have any questions or concerns pertaining to this report, please contact the undersigned directly.



Larry G. Koughan, CET, CRSP
Senior Project Consultant



APPENDIX I

Laboratory Certificate of Analysis – Asbestos PLM Samples

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

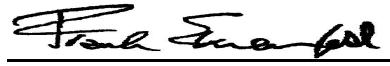
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549684 Client No.: RC-01 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24x24 Ceiling Tile Dotted Fissure Percent Non-Asbestos Fibrous Material: 60 Cellulose 20 Fibrous Glass	Location: Main Lobby Facility: Percent Non-Fibrous Material: 20
Lab No.: 7549685 Client No.: RC-02 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Plaster Client Description: Plaster Ceiling Percent Non-Asbestos Fibrous Material: None Detected	Location: Lobby Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549686 Client No.: RC-03 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Main Entrance Lobby Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549687 Client No.: RC-04 Percent Asbestos: <i>20 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 106 Facility: Percent Non-Fibrous Material: 80
Lab No.: 7549688 Client No.: RC-05 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey/Brown Floor Tile Client Description: 12x12 Brown Speckled Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 106 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549688(L2) Client No.: RC-05 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Yellow Mastic Client Description: 12x12 Brown Speckled Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 106 Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Becker
 Analyst: Aidan Becker

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
Client: ALL131	Report No.: 675889 - PLM
	Project: Royalty Centre
	Project No.: PE22400

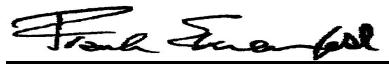
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549689 Client No.: RC-06 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Red Floor Tile Client Description: Red Vinyl Sheet Flooring Percent Non-Asbestos Fibrous Material: 15 Cellulose	Location: Main Corridor Facility: Percent Non-Fibrous Material: 85
Lab No.: 7549689(L2) Client No.: RC-06 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Brown Backing Material Client Description: Red Vinyl Sheet Flooring Percent Non-Asbestos Fibrous Material: 100 Cellulose	Location: Main Corridor Facility: Percent Non-Fibrous Material: None Detected
Lab No.: 7549690 Client No.: RC-07 Percent Asbestos: <i>20 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 103 Facility: Percent Non-Fibrous Material: 80
Lab No.: 7549691 Client No.: RC-08 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: 1 Hair	Location: In Corridor Facility: Percent Non-Fibrous Material: 99
Lab No.: 7549691(L2) Client No.: RC-08 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: In Corridor Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549692 Client No.: RC-09 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: 1 Hair	Location: Outside Room 117 Facility: Percent Non-Fibrous Material: 99

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Becker
 Analyst: Aidan Becker

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

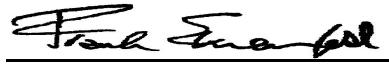
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549693 Client No.: RC-10 Percent Asbestos: <i>PC 0.25 Chrysotile</i>	Analyst Observation: Grey Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 105 Facility: Percent Non-Fibrous Material: 99.75
Lab No.: 7549693(L2) Client No.: RC-10 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 105 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549693(L3) Client No.: RC-10 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Joint Compound Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 105 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549694 Client No.: RC-11 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: Fissure Ceiling Tile Percent Non-Asbestos Fibrous Material: 60 Cellulose 20 Fibrous Glass	Location: Corridor Facility: Percent Non-Fibrous Material: 20
Lab No.: 7549695 Client No.: RC-12 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Green Floor Tile Client Description: Green Vinyl Sheet Flooring Percent Non-Asbestos Fibrous Material: 15 Cellulose	Location: Back Room Gym Facility: Percent Non-Fibrous Material: 85
Lab No.: 7549696 Client No.: RC-13 Percent Asbestos: <i>20 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Back Room Gym Facility: Percent Non-Fibrous Material: 80

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Aidan Becker
 Analyst: Aidan Becker

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

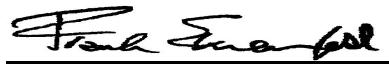
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549697 Client No.: RC-14 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 109 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549698 Client No.: RC-15 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: Noodle Ceiling Tile Percent Non-Asbestos Fibrous Material: 50 Cellulose	Location: Room 109 Facility: Percent Non-Fibrous Material: 50
Lab No.: 7549699 Client No.: RC-16 Percent Asbestos: <i>PC 1.3 Chrysotile</i>	Analyst Observation: White Ceiling Tile Client Description: 24x24 Ceiling Tile Dotted Fissure Percent Non-Asbestos Fibrous Material: 60 Cellulose 20 Fibrous Glass	Location: Room 109 Facility: Percent Non-Fibrous Material: 18.7
Lab No.: 7549700 Client No.: RC-17 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24x24 Ceiling Tile Pinhole Percent Non-Asbestos Fibrous Material: 5 Cellulose	Location: O S Bathroom Facility: Percent Non-Fibrous Material: 95
Lab No.: 7549701 Client No.: RC-18 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Outside Bathroom Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549701(L2) Client No.: RC-18 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Outside Bathroom Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Becker
 Analyst: Aidan Becker

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 1/11/2023
Report No.: 675889 - PLM
Project: Royalty Centre
Project No.: PE22400

Client: ALL131

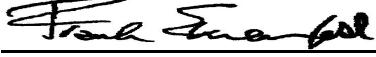
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549702 Client No.: RC-19	Analyst Observation: Grey Insulation Client Description: Pipe Parging	Location: Above Ceiling Tile Outside Bathroom Facility: Percent Non-Fibrous Material: 80
Percent Asbestos: <i>20 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7549703 Client No.: RC-20	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Room 111 Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7549704 Client No.: RC-21	Analyst Observation: Brown Vinyl Sheet Flooring Client Description: Vinyl Sheet Flooring	Location: Room 111 Facility: Percent Non-Fibrous Material: 95
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 5 Fibrous Glass	
Lab No.: 7549705 Client No.: RC-22	Analyst Observation: Grey Plaster Client Description: Plaster Wall	Location: Room 113 Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7549705(L2) Client No.: RC-22	Analyst Observation: Grey Adhesive Client Description: Plaster Wall	Location: Room 113 Facility: Percent Non-Fibrous Material: 97.7
Percent Asbestos: <i>PC 2.3 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7549705(L3) Client No.: RC-22	Analyst Observation: Off-White Joint Compound Client Description: Plaster Wall	Location: Room 113 Facility: Percent Non-Fibrous Material: 98.3
Percent Asbestos: <i>PC 1.7 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
Date Analyzed: 01/11/2023
Signature: 
Analyst: Aidan Becker

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

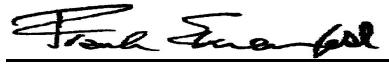
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549706 Client No.: RC-23 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24x24 Ceiling Tile Dotted Percent Non-Asbestos Fibrous Material: 100 Cellulose	Location: Room 113 Facility: Percent Non-Fibrous Material: None Detected
Lab No.: 7549707 Client No.: RC-24 Percent Asbestos: <i>25 Chrysotile</i>	Analyst Observation: Grey Cement Product Client Description: Hard Board Panel Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 113 Facility: Percent Non-Fibrous Material: 75
Lab No.: 7549707(L2) Client No.: RC-24 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Black Tar Client Description: Hard Board Panel Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 113 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549708 Client No.: RC-25 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Drywall Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: 5 Cellulose	Location: Room 117 Facility: Percent Non-Fibrous Material: 95
Lab No.: 7549708(L2) Client No.: RC-25 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 117 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549709 Client No.: RC-26 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Tan Floor Tile Client Description: 12x12 Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 117 Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Aidan Becker
 Analyst: Aidan Becker

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 1/11/2023
Report No.: 675889 - PLM
Project: Royalty Centre
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549709(L2)
Client No.: RC-26
Percent Asbestos:
None Detected

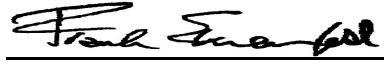
Analyst Observation: Black Mastic
Client Description: 12x12 Floor Tile
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 117
Facility:
Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
Date Analyzed: 01/11/2023
Signature: 
Analyst: Aidan Becker

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

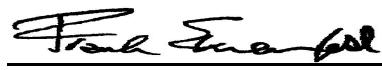
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549710	Analyst Observation: Black/Brown Vinyl Sheet Flooring	Location: Corridor
Client No.: RC-27	Client Description: Vinyl Sheet Flooring	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 65 Cellulose	Percent Non-Fibrous Material: 35
Lab No.: 7549710(L2)	Analyst Observation: Brown Mastic/Leveling Compound	Location: Corridor
Client No.: RC-27	Client Description: Vinyl Sheet Flooring	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549711	Analyst Observation: Off-White/Brown Floor Tile	Location: Room 119
Client No.: RC-28	Client Description: 12x12 Speckled Brown Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549711(L2)	Analyst Observation: Black Mastic	Location: Room 119
Client No.: RC-28	Client Description: 12x12 Speckled Brown Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549712	Analyst Observation: White Joint Compound	Location: Room 119
Client No.: RC-29	Client Description: Drywall Joint Compound	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549713	Analyst Observation: Grey Cement Product	Location: Boiler Room
Client No.: RC-30	Client Description: Hard Board Panel	Facility:
Percent Asbestos: <i>15 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 85

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549713(L2)

Client No.: RC-30

Percent Asbestos:

None Detected

Analyst Observation: Black Mastic

Client Description: Hard Board Panel

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Boiler Room

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549714

Client No.: RC-31

Percent Asbestos:

None Detected

Analyst Observation: White Plaster

Client Description: Plaster Wall

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Boiler Room Ceiling

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549714(L2)

Client No.: RC-31

Percent Asbestos:

None Detected

Analyst Observation: Lt Grey Plaster

Client Description: Plaster Wall

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Boiler Room Ceiling

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549715

Client No.: RC-32

Percent Asbestos:

None Detected

Analyst Observation: Tan/White Panel

Client Description: Acoustic Panel

Percent Non-Asbestos Fibrous Material:

85 Cellulose

Location: Boiler Room Ceiling

Facility:

Percent Non-Fibrous Material:

15

Lab No.: 7549715(L2)

Client No.: RC-32

Percent Asbestos:

None Detected

Analyst Observation: Yellow Mastic

Client Description: Acoustic Panel

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Boiler Room Ceiling

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549716

Client No.: RC-33

Percent Asbestos:

60 Chrysotile

Analyst Observation: Grey Insulation

Client Description: Orange 8" Elbow Pipe Parging

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Above Boiler

Facility:

Percent Non-Fibrous Material:

40

Please refer to the Appendix of this report for further information regarding your analysis.

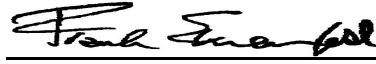
Date Received: 1/6/2023

Date Analyzed: 01/11/2023

Signature: 

Analyst: Linda Price

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

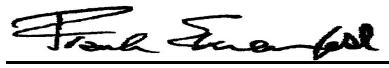
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549717 Client No.: RC-34 Percent Asbestos: 60 Chrysotile	Analyst Observation: Grey Insulation Client Description: Parging on Blue Boiler Stack Percent Non-Asbestos Fibrous Material: None Detected	Location: Boiler Room Facility: Percent Non-Fibrous Material: 40
Lab No.: 7549718 Client No.: RC-35 Percent Asbestos: 50 Chrysotile	Analyst Observation: White/Grey Gasket Client Description: Gasket Boiler Percent Non-Asbestos Fibrous Material: None Detected	Location: Boiler Room 306 Facility: Percent Non-Fibrous Material: 50
Lab No.: 7549719 Client No.: RC-36 Percent Asbestos: None Detected	Analyst Observation: White Wrap Client Description: Brown 10" Pipe Insulation Percent Non-Asbestos Fibrous Material: 90 Cellulose	Location: Boiler Room Facility: Percent Non-Fibrous Material: 10
Lab No.: 7549719(L2) Client No.: RC-36 Percent Asbestos: None Detected	Analyst Observation: Brown Insulation Client Description: Brown 10" Pipe Insulation Percent Non-Asbestos Fibrous Material: 80 Cellulose	Location: Boiler Room Facility: Percent Non-Fibrous Material: 20
Lab No.: 7549720 Client No.: RC-37 Percent Asbestos: 50 Chrysotile	Analyst Observation: Grey Insulation Client Description: Pipe Elbow Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Above Workshop Above Boiler Room Facility: Percent Non-Fibrous Material: 50
Lab No.: 7549721 Client No.: RC-38 Percent Asbestos: 25 Chrysotile	Analyst Observation: Grey/Brown Insulation Client Description: Orange Expansion Valve Parging Percent Non-Asbestos Fibrous Material: 65 Cellulose	Location: Boiler Room Facility: Percent Non-Fibrous Material: 10

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 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited Report Date: 1/11/2023
 20 Duke St., Suite 109 Report No.: 675889 - PLM
 Bedford NS B4A 2Z5 Project: Royalty Centre
 Client: ALL131 Project No.: PE22400

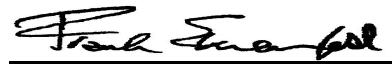
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549722 Client No.: RC-39 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Insulation Client Description: Orange 12" Elbow Pipe Parging <u>Percent Non-Asbestos Fibrous Material:</u> 5 Cellulose 5 Mineral Wool	Location: Room Attached to Boiler Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 7549723 Client No.: RC-40 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Insulation Client Description: Orange 8" Elbow Pipe Parging <u>Percent Non-Asbestos Fibrous Material:</u> 25 Cellulose 20 Fibrous Glass	Location: Front Boiler Room Facility: <u>Percent Non-Fibrous Material:</u> 55
Lab No.: 7549724 Client No.: RC-41 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Tan Floor Tile Client Description: 12x12 Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 121 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7549724(L2) Client No.: RC-41 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Black Mastic Client Description: 12x12 Floor Tile <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 121 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7549725 Client No.: RC-42 Percent Asbestos: <i>60 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Elbow Parging <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Storage Garage Facility: <u>Percent Non-Fibrous Material:</u> 40
Lab No.: 7549726 Client No.: RC-43 Percent Asbestos: <i>20 Chrysotile</i>	Analyst Observation: Grey Cement Product Client Description: Hard Board Panel <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Storage Garage Facility: <u>Percent Non-Fibrous Material:</u> 80

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Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
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	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549726(L2)

Client No.: RC-43

Percent Asbestos:

None Detected

Analyst Observation: Black Mastic

Client Description: Hard Board Panel

Location: Storage Garage

Facility:

Percent Non-Fibrous Material:

85

Lab No.: 7549727

Client No.: RC-44

Percent Asbestos:

None Detected

Analyst Observation: White Plaster

Client Description: Plaster on Concrete

Location: Back Room Storage Garage

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549727(L2)

Client No.: RC-44

Percent Asbestos:

None Detected

Analyst Observation: Tan Plaster

Client Description: Plaster on Concrete

Location: Back Room Storage Garage

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549727(L3)

Client No.: RC-44

Percent Asbestos:

None Detected

Analyst Observation: Grey Concrete

Client Description: Plaster on Concrete

Location: Back Room Storage Garage

Facility:

Percent Non-Fibrous Material:

100

Lab No.: 7549728

Client No.: RC-45

Percent Asbestos:

PC 1.1 Amosite

Analyst Observation: White/Tan/Red Ceiling Tile

Client Description: 24x24 Ceiling Tile Dotted

Location:

Facility:

Percent Non-Fibrous Material:

23.9

Note: Sample analyzed by Christopher Riffe on 1/13/23

Lab No.: 7549729

Client No.: RC-46

Percent Asbestos:

None Detected

Analyst Observation: White Joint Compound

Client Description: Drywall Joint Compound

Location: Room 141

Facility:

Percent Non-Fibrous Material:

85

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023

Date Analyzed: 01/11/2023

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

Signature:



Linda Price

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

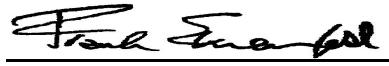
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549730	Analyst Observation: Grey Floor Tile	Location: Room 141
Client No.: RC-47	Client Description: Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549730(L2)	Analyst Observation: Black Mastic	Location: Room 141
Client No.: RC-47	Client Description: Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549731	Analyst Observation: Green/Brown Vinyl Sheet Flooring	Location: Room 141 Kitchen
Client No.: RC-48	Client Description: Vinyl Sheet Flooring	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 55 Cellulose	Percent Non-Fibrous Material: 45
Lab No.: 7549731(L2)	Analyst Observation: Brown Mastic	Location: Room 141 Kitchen
Client No.: RC-48	Client Description: Vinyl Sheet Flooring	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549732	Analyst Observation: Grey Cement Product	Location: Under Window Room 147
Client No.: RC-49	Client Description: Hard Board Panel	Facility:
Percent Asbestos: <i>20 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 80
Lab No.: 7549732(L2)	Analyst Observation: Black Mastic	Location: Under Window Room 147
Client No.: RC-49	Client Description: Hard Board Panel	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

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Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: 
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

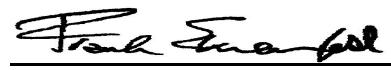
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549733 Client No.: RC-50 Percent Asbestos: 20 Chrysotile	Analyst Observation: Grey Cement Product Client Description: Hard Board Panel Percent Non-Asbestos Fibrous Material: None Detected	Location: Under Window Room 147 Facility: Percent Non-Fibrous Material: 80
Lab No.: 7549733(L2) Client No.: RC-50 Percent Asbestos: None Detected	Analyst Observation: Black Mastic Client Description: Hard Board Panel Percent Non-Asbestos Fibrous Material: None Detected	Location: Under Window Room 147 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549734 Client No.: RC-51 Percent Asbestos: None Detected	Analyst Observation: Brown Vinyl Sheet Flooring Client Description: Vinyl Sheet Flooring Percent Non-Asbestos Fibrous Material: 45 Cellulose	Location: Room 147 Facility: Percent Non-Fibrous Material: 55
Lab No.: 7549735 Client No.: RC-52 Percent Asbestos: None Detected	Analyst Observation: Brown Insulation Client Description: Brown Pipe Insulation Straight Run Percent Non-Asbestos Fibrous Material: 85 Cellulose	Location: Corridor Outside Room 140 Facility: Percent Non-Fibrous Material: 15
Lab No.: 7549736 Client No.: RC-53 Percent Asbestos: None Detected	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 157 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549737 Client No.: RC-54 Percent Asbestos: None Detected	Analyst Observation: White/Tan Ceiling Tile Client Description: Ceiling Tile Dotted Percent Non-Asbestos Fibrous Material: 65 Cellulose 10 Mineral Wool	Location: Room 157 Facility: Percent Non-Fibrous Material: 25

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Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: 
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

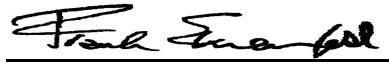
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549738	Analyst Observation: Red Floor Tile	Location: Room 157
Client No.: RC-55	Client Description: 12x12 Red Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549738(L2)	Analyst Observation: Black/Tan Mastic	Location: Room 157
Client No.: RC-55	Client Description: 12x12 Red Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549739	Analyst Observation: Grey Insulation	Location: Office Room 157
Client No.: RC-56	Client Description: Pipe Elbow Parging	Facility:
Percent Asbestos: <i>40 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: 5 Cellulose	Percent Non-Fibrous Material: 55
Lab No.: 7549740	Analyst Observation: White Plaster	Location: Back Entry Room 157
Client No.: RC-57	Client Description: Plaster Wall	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549740(L2)	Analyst Observation: Tan Plaster	Location: Back Entry Room 157
Client No.: RC-57	Client Description: Plaster Wall	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Hair	Percent Non-Fibrous Material: 99
Lab No.: 7549741	Analyst Observation: White Joint Compound	Location: Corridor Room 157
Client No.: RC-58	Client Description: Drywall Joint Compound	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

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Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/11/2023
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Project: Royalty Centre
Project No.: PE22400

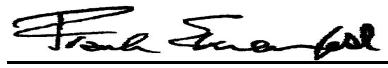
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549742	Analyst Observation: Grey Insulation	Location: Lower Level Corridor Outside Room 151
Client No.: RC-59	Client Description: Parging on Hanger	Facility: <u>Percent Non-Fibrous Material:</u> 35
<u>Percent Asbestos:</u> 65 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7549743	Analyst Observation: Brown Floor Tile	Location: Corridor Outside Room 310
Client No.: RC-60	Client Description: 12x12 Brown Speckled Floor Tile	Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7549743(L2)	Analyst Observation: Yellow Mastic	Location: Corridor Outside Room 310
Client No.: RC-60	Client Description: 12x12 Brown Speckled Floor Tile	Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 7549744	Analyst Observation: White/Tan Ceiling Tile	Location: Corridor Outside Room A 310
Client No.: RC-61	Client Description: 24x48 Ceiling Tile Fissure	Facility: <u>Percent Non-Fibrous Material:</u> 15
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 55 Cellulose 30 Mineral Wool	
Lab No.: 7549745	Analyst Observation: Tan/White Vinyl Sheet Flooring	Location: Room A 314
Client No.: RC-62	Client Description: Vinyl Sheet Flooring	Facility: <u>Percent Non-Fibrous Material:</u> 85
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	
Lab No.: 7549745(L2)	Analyst Observation: Yellow Mastic	Location: Room A 314
Client No.: RC-62	Client Description: Vinyl Sheet Flooring	Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

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Date Received: 1/6/2023
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Analyst: Linda Price

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

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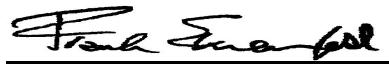
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549746 Client No.: RC-63 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: 24x24 Ceiling Tile Dotted Percent Non-Asbestos Fibrous Material: 65 Cellulose 20 Mineral Wool	Location: Room A 314 Facility: Percent Non-Fibrous Material: 15
Lab No.: 7549747 Client No.: RC-64 Percent Asbestos: <i>50 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Elbow Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 312 Facility: Percent Non-Fibrous Material: 50
Lab No.: 7549748 Client No.: RC-65 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 320 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549749 Client No.: RC-66 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 320 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549750 Client No.: RC-67 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 358 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549751 Client No.: RC-68 Percent Asbestos: <i>60 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Elbow Parging Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 358 Facility: Percent Non-Fibrous Material: 40

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 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

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Client: ALL131	Project No.: PE22400

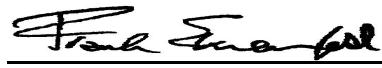
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549752	Analyst Observation: Blue Floor Tile	Location: Room A 354
Client No.: RC-69	Client Description: Blue Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549752(L2)	Analyst Observation: Black/Yellow Mastic	Location: Room A 354
Client No.: RC-69	Client Description: Blue Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549753	Analyst Observation: White/Tan Ceiling Tile	Location: Corridor A 300's
Client No.: RC-70	Client Description: Ceiling Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 65 Cellulose 15 Mineral Wool	Percent Non-Fibrous Material: 20
Lab No.: 7549754	Analyst Observation: Green Floor Tile	Location: Room A 350
Client No.: RC-71	Client Description: Green Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549754(L2)	Analyst Observation: Yellow Mastic	Location: Room A 350
Client No.: RC-71	Client Description: Green Floor Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7549755	Analyst Observation: White Joint Compound	Location: Room A 350
Client No.: RC-72	Client Description: Drywall Joint Compound	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

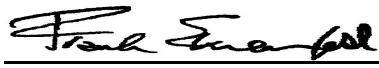
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549756 Client No.: RC-73 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: 24x48 Ceiling Tile Percent Non-Asbestos Fibrous Material: 55 Cellulose 15 Mineral Wool	Location: Room A 356 Facility: Percent Non-Fibrous Material: 30
Lab No.: 7549757 Client No.: RC-74 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 336 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549758 Client No.: RC-75 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Corridor Outside Boxing Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549759 Client No.: RC-76 Percent Asbestos: <i>55 Chrysotile</i>	Analyst Observation: Grey Insulation Client Description: Pipe Elbow Parging Percent Non-Asbestos Fibrous Material: 5 Cellulose	Location: Warehouse Room A 322 Facility: Percent Non-Fibrous Material: 40
Lab No.: 7549760 Client No.: RC-77 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 322 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549761 Client No.: RC-78 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 332 Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: Linda Price
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/11/2023
	Report No.: 675889 - PLM
	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

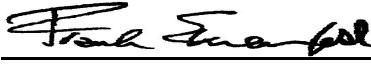
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7549762 Client No.: RC-79 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Brown Ceiling Tile Client Description: Ceiling Tile Percent Non-Asbestos Fibrous Material: 95 Cellulose	Location: A 332 Facility: Percent Non-Fibrous Material: 5
Lab No.: 7549763 Client No.: RC-80 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room A 332 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549764 Client No.: RC-81 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Blue/Green Floor Tile Client Description: Blue/Green Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 105 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7549764(L2) Client No.: RC-81 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Yellow Mastic Client Description: Blue/Green Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 105 Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/6/2023
 Date Analyzed: 01/11/2023
 Signature: 
 Analyst: Linda Price

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited	Report Date: 1/11/2023
20 Duke St., Suite 109	Report No.: 675889 - PLM
Bedford NS B4A 2Z5	Project: Royalty Centre
Client: ALL131	Project No.: PE22400

Appendix to Analytical Report

Customer Contact:

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

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

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

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

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

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

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

Information Pertinent to this Report:

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

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

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

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

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 1/11/2023
Report No.: 675889 - PLM
Project: Royalty Centre
Project No.: PE22400

Client: ALL131

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

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

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

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

Disclaimers / Qualifiers:

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

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

Recommendations for Vermiculite Analysis:

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

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

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

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

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

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

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

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
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Bedford NS B4A 2Z5

Report Date: 1/11/2023
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Project: Royalty Centre
Project No.: PE22400

Client: ALL131

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004

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

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004

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

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

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

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

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

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
Client: ALL131	Report No.: 676336 - PLM
	Project: Royalty Center
	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553953
Client No.: RC-82

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Cellulose
10 Mineral Wool

Lab No.: 7553954
Client No.: RC-83

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Lab No.: 7553955
Client No.: RC-84

Analyst Observation: Off-White Floor Tile
Client Description: 12'x12' Cream Floor Tile

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Lab No.: 7553955(L2)
Client No.: RC-84

Analyst Observation: Black Mastic
Client Description: 12'x12' Cream Floor Tile

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Insufficient material provided to verify results.

Lab No.: 7553956
Client No.: RC-85

Analyst Observation: Beige/White Ceiling Tile
Client Description: Dotted Ceiling Tile

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
55 Cellulose
10 Mineral Wool

Location: Electronic Supervision Program -
1st Level
Facility:
Percent Non-Fibrous Material:
35

Location: Electronic Supervision Program -
1st Level
Facility:
Percent Non-Fibrous Material:
100

Location: Electronic Supervision Program -
1st Level
Facility:
Percent Non-Fibrous Material:
100

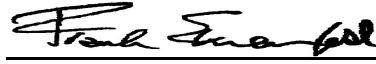
Location: Electronic Supervision Program -
1st Level
Facility:
Percent Non-Fibrous Material:
100

Location: Community And Correctional
Services
Facility:
Percent Non-Fibrous Material:
35

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

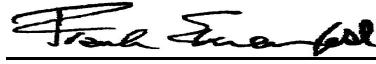
Lab No.: 7553957 Client No.: RC-86	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Community And Correctional Services Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553958 Client No.: RC-87	Analyst Observation: White Floor Tile Client Description: 12'x12' Cream Floor Tile	Location: Community And Correctional Services - Kitchen Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Note: No mastic present		
Lab No.: 7553959 Client No.: RC-88	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile	Location: Corridor Outside Bathroom Facility: Percent Non-Fibrous Material: 35
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 55 Cellulose 10 Mineral Wool	
Lab No.: 7553960 Client No.: RC-89	Analyst Observation: Beige/Lt Red Ceiling Tile Client Description: 24'x48' Fissure Dotted Ceiling Tile	Location: Corridor Outside Bathroom Facility: Percent Non-Fibrous Material: 23.9
Percent Asbestos: <i>PC 1.1 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: 45 Cellulose 30 Mineral Wool	
Lab No.: 7553961 Client No.: RC-90	Analyst Observation: Red Floor Tile Client Description: 12'x12' Red Floor Tile	Location: 1st Level - Sage Room Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553961(L2) Client No.: RC-90	Analyst Observation: Black Mastic Client Description: 12'x12' Red Floor Tile	Location: 1st Level - Sage Room Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Insufficient material provided to verify results.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

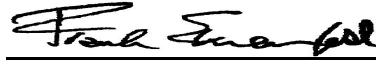
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553962 Client No.: RC-91 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room B150 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7553963 Client No.: RC-92 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Beige/White Ceiling Tile Client Description: Dotted Ceiling Tile Percent Non-Asbestos Fibrous Material: 55 Cellulose 10 Mineral Wool	Location: Room B150 Facility: Percent Non-Fibrous Material: 35
Lab No.: 7553964 Client No.: RC-93 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile Percent Non-Asbestos Fibrous Material: 55 Cellulose 10 Mineral Wool	Location: Office Facility: Percent Non-Fibrous Material: 35
Lab No.: 7553965 Client No.: RC-94 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile Percent Non-Asbestos Fibrous Material: 55 Cellulose 10 Mineral Wool	Location: Office Facility: Percent Non-Fibrous Material: 35
Lab No.: 7553966 Client No.: RC-95 Percent Asbestos: <i>PC 0.75 Chrysotile</i>	Analyst Observation: Beige/Lt Red Ceiling Tile Client Description: 24'x48' Fissure Dotted Ceiling Tile Percent Non-Asbestos Fibrous Material: 45 Cellulose 30 Mineral Wool	Location: Office Area Facility: Percent Non-Fibrous Material: 24.25
Lab No.: 7553967 Client No.: RC-96 Percent Asbestos: <i>PC 1.0 Chrysotile</i>	Analyst Observation: Beige/Lt Red Ceiling Tile Client Description: 24'x48' Fissure Dotted Ceiling Tile Percent Non-Asbestos Fibrous Material: 45 Cellulose 30 Mineral Wool	Location: Corridor Facility: Percent Non-Fibrous Material: 24

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

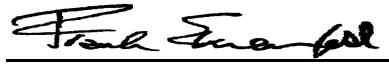
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553968 Client No.: RC-97	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Office Area - Right Side Of The Corridor Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553969 Client No.: RC-98	Analyst Observation: Red Floor Tile Client Description: 12'x12' Red Floor Tile	Location: Kitchen Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553969(L2) Client No.: RC-98	Analyst Observation: Black Mastic Client Description: 12'x12' Red Floor Tile	Location: Kitchen Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553969(L3) Client No.: RC-98	Analyst Observation: Grey Floor Material Client Description: 12'x12' Red Floor Tile	Location: Kitchen Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553969(L4) Client No.: RC-98	Analyst Observation: Dk Tan Mastic Client Description: 12'x12' Red Floor Tile	Location: Kitchen Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553970 Client No.: RC-99	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Office Area - Right Side Of The Corridor At The End Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553970(L2)
Client No.: RC-99

Percent Asbestos:
None Detected

Lab No.: 7553971
Client No.: RC-100

Percent Asbestos:
None Detected

Lab No.: 7553971(L2)
Client No.: RC-100

Percent Asbestos:
None Detected

Insufficient material provided to verify results.

Lab No.: 7553971(L3)
Client No.: RC-100

Percent Asbestos:
None Detected

Insufficient material provided to verify results.

Lab No.: 7553972
Client No.: RC-101

Percent Asbestos:
None Detected

Lab No.: 7553972(L2)
Client No.: RC-101

Percent Asbestos:
None Detected

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: Red Floor Tile
Client Description: 12'x12' Red Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: Black Mastic
Client Description: 12'x12' Red Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: Tan Mastic
Client Description: 12'x12' Red Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: Pink Floor Tile
Client Description: 12'x12' Pink Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: Black Mastic
Client Description: 12'x12' Pink Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Office Area - Right Side Of The Corridor At The End

Facility:
Percent Non-Fibrous Material:
100

Location: Office Area - Right Side Of The Corridor At The End

Facility:
Percent Non-Fibrous Material:
100

Location: Office Area - Right Side Of The Corridor At The End

Facility:
Percent Non-Fibrous Material:
100

Location: Office Area - Right Side Of The Corridor At The End

Facility:
Percent Non-Fibrous Material:
100

Location: Back Entry

Facility:
Percent Non-Fibrous Material:
100

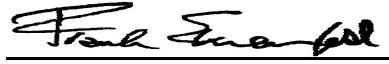
Location: Back Entry

Facility:
Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553972(L3)

Client No.: RC-101

Percent Asbestos:
None Detected

Lab No.: 7553972(L4)

Client No.: RC-101

Percent Asbestos:
None Detected

Lab No.: 7553973

Client No.: RC-102

Percent Asbestos:
PC 1.1 Chrysotile

Lab No.: 7553973(L2)

Client No.: RC-102

Percent Asbestos:
None Detected

Lab No.: 7553974

Client No.: RC-103

Percent Asbestos:
20 Chrysotile

Lab No.: 7553975

Client No.: RC-104

Percent Asbestos:
20 Chrysotile

Analyst Observation: Grey Floor Material

Client Description: 12'x12' Pink Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Back Entry

Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Dk Tan Mastic

Client Description: 12'x12' Pink Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Back Entry

Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Off-White Floor Tile

Client Description: 12'x12' Beige With Green Strips Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Behind Electrical Room

Facility:

Percent Non-Fibrous Material:
98.9

Analyst Observation: Black Mastic

Client Description: 12'x12' Beige With Green Strips Floor Tile

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Behind Electrical Room

Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Lt Grey Insulation

Client Description: Pipe Parging

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Above Ceiling Tile - Corridor

Facility:

Percent Non-Fibrous Material:
80

Analyst Observation: Lt Grey Insulation

Client Description: Pipe Parging

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Above Ceiling Tile - Corridor

Facility:

Percent Non-Fibrous Material:
80

Please refer to the Appendix of this report for further information regarding your analysis.

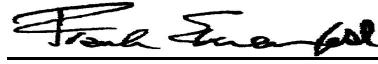
Date Received: 1/16/2023

Date Analyzed: 01/23/2023

Signature: 

Analyst: Christopher Riffe

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

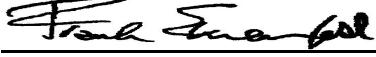
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553976 Client No.: RC-105	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Office Area Left Side Of The Corridor Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553977 Client No.: RC-106	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Office Area Left Side Of The Corridor Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553978 Client No.: RC-107	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: Office Area Left Side Of The Corridor Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7553979 Client No.: RC-108	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile	Location: 2nd Level - Lobby Facility: Percent Non-Fibrous Material: 40
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 10 Mineral Wool	
Lab No.: 7553980 Client No.: RC-109	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 40
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 10 Mineral Wool	
Lab No.: 7553981 Client No.: RC-110	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 40
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 10 Mineral Wool	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Christopher Riffe

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

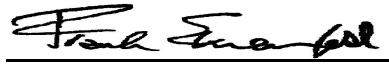
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553982 Client No.: RC-111 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Beige/White Ceiling Tile Client Description: 24'x48' Fissure Ceiling Tile Percent Non-Asbestos Fibrous Material: 50 Cellulose 10 Mineral Wool	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 40
Lab No.: 7553983 Client No.: RC-112 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: Flat Ceiling Tile Percent Non-Asbestos Fibrous Material: 95 Cellulose	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 5
Lab No.: 7553984 Client No.: RC-113 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: 24'x48' Flat Ceiling Tile Percent Non-Asbestos Fibrous Material: 95 Cellulose	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 5
Lab No.: 7553985 Client No.: RC-114 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: 24'x48' Flat Ceiling Tile Percent Non-Asbestos Fibrous Material: 95 Cellulose	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 5
Lab No.: 7553986 Client No.: RC-115 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Grey Cementitious Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Staff Lounge Room - 2nd Level Facility: Percent Non-Fibrous Material: 100
Lab No.: 7553986(L2) Client No.: RC-115 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Tan Cementitious Client Description: Plaster Wall Percent Non-Asbestos Fibrous Material: None Detected	Location: Staff Lounge Room - 2nd Level Facility: Percent Non-Fibrous Material: 100

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Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Christopher Riffe

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

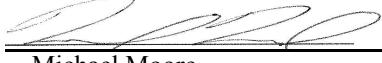
CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

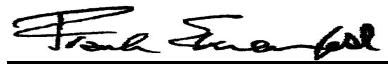
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553987 Client No.: RC-116 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Brown Floor Tile Client Description: Brown Vinyl Flooring Percent Non-Asbestos Fibrous Material: 15 Cellulose	Location: 2nd Level - Corridor Facility: Percent Non-Fibrous Material: 85
Lab No.: 7553988 Client No.: RC-117 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Yellow Floor Tile Client Description: Yellow Vinyl Flooring Percent Non-Asbestos Fibrous Material: 15 Cellulose	Location: 2nd Level Facility: Percent Non-Fibrous Material: 85
Lab No.: 7553989 Client No.: RC-118 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Black Floor Tile Client Description: 12'x12' Black Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level - Room 253 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7553990 Client No.: RC-119 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Cream Floor Tile Client Description: 12'x12' Cream Speckle Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level - Room 255 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7553990(L2) Client No.: RC-119 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Black Mastic Client Description: 12'x12' Cream Speckle Floor Tile Percent Non-Asbestos Fibrous Material: 2 Synthetic	Location: 2nd Level - Room 255 Facility: Percent Non-Fibrous Material: 98
Lab No.: 7553991 Client No.: RC-120 Percent Asbestos: <i>PC 0.25 Chrysotile</i>	Analyst Observation: Tan Plaster Client Description: Wall Plaster Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level - Room 269 Facility: Percent Non-Fibrous Material: 99.75

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553991(L2)
Client No.: RC-120

Percent Asbestos:
None Detected

Lab No.: 7553992
Client No.: RC-121

Percent Asbestos:
PC 0.25 Chrysotile

Lab No.: 7553992(L2)
Client No.: RC-121

Percent Asbestos:
None Detected

Lab No.: 7553993
Client No.: RC-122

Percent Asbestos:
None Detected

Recommend TEM analysis

Lab No.: 7553993(L2)
Client No.: RC-122

Percent Asbestos:
None Detected

Lab No.: 7553994
Client No.: RC-123

Percent Asbestos:
None Detected

Recommend TEM analysis

Analyst Observation: White Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 2nd Level - Room 269
Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Tan Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 2nd Level - Room 259
Facility:

Percent Non-Fibrous Material:
99.75

Analyst Observation: White Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 2nd Level - Room 259
Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Tan Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: White Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
100

Analyst Observation: Tan Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

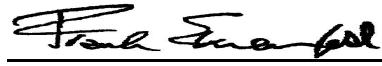
Location: Corridor Outside Room 253
Facility:

Percent Non-Fibrous Material:
100

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Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Michael Moore

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

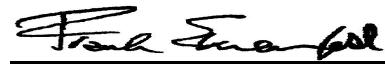
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553994(L2) Client No.: RC-123 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Wall Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Corridor Outside Room 253 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7553995 Client No.: RC-124 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Plaster Client Description: Wall Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Corridor Outside Room 271 - 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7553995(L2) Client No.: RC-124 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Wall Plaster <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Corridor Outside Room 271 - 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7553996 Client No.: RC-125 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White/Tan Plaster Client Description: Spaghetti Ceiling <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Above Ceiling Tile - 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7553997 Client No.: RC-126 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: 2nd Level - Room 269 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7553998 Client No.: RC-127 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24'x48' Dotted Fissure Ceiling <u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 20 Mineral Wool 10 Talc	Location: 2nd Level - Corridor Facility: <u>Percent Non-Fibrous Material:</u> 30

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

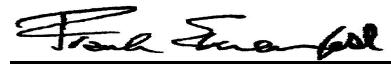
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7553999 Client No.: RC-128 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24'x48' Dotted Fissure Ceiling Tile <u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 20 Mineral Wool 10 Talc	Location: 2nd Level - Corridor Facility: <u>Percent Non-Fibrous Material:</u> 30
Lab No.: 7554000 Client No.: RC-129 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Ceiling Tile Client Description: 24'x48' Dotted Fissure Ceiling Tile <u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 20 Mineral Wool 10 Talc	Location: 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 30
Lab No.: 7554001 Client No.: RC-130 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 271 - 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7554002 Client No.: RC-131 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Room 275 - 2nd Level Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7554003 Client No.: RC-132 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: 2nd Level - Elevator In Lobby Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7554004 Client No.: RC-133 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Brown Floor Tile Client Description: Brown Vinyl Flooring <u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	Location: Corridor - 2nd Level Outside Room 206 Facility: <u>Percent Non-Fibrous Material:</u> 85

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
Client: ALL131	Report No.: 676336 - PLM
	Project: Royalty Center
	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554004(L2)
Client No.: RC-133

Percent Asbestos:
None Detected

Lab No.: 7554005
Client No.: RC-134

Percent Asbestos:
None Detected

Lab No.: 7554005(L2)
Client No.: RC-134

Percent Asbestos:
None Detected

Lab No.: 7554005(L3)
Client No.: RC-134

Percent Asbestos:
None Detected

Lab No.: 7554005(L4)
Client No.: RC-134

Percent Asbestos:
None Detected

Lab No.: 7554006
Client No.: RC-135

Percent Asbestos:
60 Chrysotile

Analyst Observation: Tan Backing Material
Client Description: Brown Vinyl Flooring

Percent Non-Asbestos Fibrous Material:
90 Synthetic

Analyst Observation: Tan Floor Tile
Client Description: Yellow Vinyl Flooring

Percent Non-Asbestos Fibrous Material:
15 Cellulose

Analyst Observation: Brown Mastic
Client Description: Yellow Vinyl Flooring

Percent Non-Asbestos Fibrous Material:
None Detected

Analyst Observation: White Leveling Compound
Client Description: Yellow Vinyl Flooring

Percent Non-Asbestos Fibrous Material:
2 Cellulose

Analyst Observation: Tan Backing Material
Client Description: Yellow Vinyl Flooring

Percent Non-Asbestos Fibrous Material:
90 Synthetic

Analyst Observation: Grey Insulation
Client Description: Elbow Insulation

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Corridor - 2nd Level Outside
Room 206

Facility:
Percent Non-Fibrous Material:
10

Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
85

Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
100

Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
98

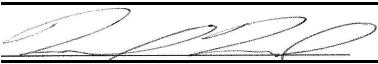
Location: 2nd Level
Facility:

Percent Non-Fibrous Material:
10

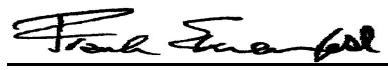
Location: 2nd Level - Room 206
Facility:

Percent Non-Fibrous Material:
40

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
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Signature: 
Analyst: Michael Moore

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

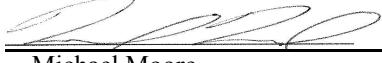
CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

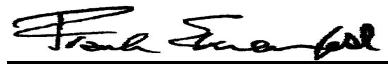
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554007 Client No.: RC-136	Analyst Observation: Off-White Pipe Material Client Description: Pipe Parging	Location: 2nd Level - Room 206 Facility:
Percent Asbestos: 60 Chrysotile	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 40
Lab No.: 7554007(L2) Client No.: RC-136	Analyst Observation: Brown Wrap Client Description: Pipe Parging	Location: 2nd Level - Room 206 Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: 90 Cellulose	Percent Non-Fibrous Material: 10
Lab No.: 7554008 Client No.: RC-137	Analyst Observation: Grey Insulation Client Description: Elbow Insulation	Location: Room 206 Facility:
Percent Asbestos: 60 Chrysotile	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 40
Lab No.: 7554009 Client No.: RC-138	Analyst Observation: Brown Floor Tile Client Description: 9x9 Floor Tile	Location: Penthouse Room 206 Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: 15 Cellulose	Percent Non-Fibrous Material: 85
Lab No.: 7554009(L2) Client No.: RC-138	Analyst Observation: Brown Mastic Client Description: 9x9 Floor Tile	Location: Penthouse Room 206 Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: 2 Synthetic	Percent Non-Fibrous Material: 98
Lab No.: 7554009(L3) Client No.: RC-138	Analyst Observation: Yellow Mastic Client Description: 9x9 Floor Tile	Location: Penthouse Room 206 Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

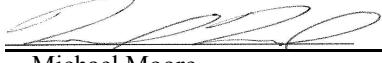
CERTIFICATE OF ANALYSIS

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 20 Duke St., Suite 109 Report No.: 676336 - PLM
 Bedford NS B4A 2Z5 Project: Royalty Center
 Client: ALL131 Project No.: PE22400

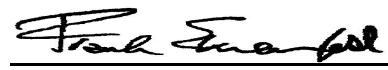
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554010	Analyst Observation: Off-White Pipe Material	Location: 2nd Level Room 206
Client No.: RC-139	Client Description: Pipe Insulation	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 90 Cellulose	Percent Non-Fibrous Material: 10
Lab No.: 7554010(L2)	Analyst Observation: Black Mastic	Location: 2nd Level Room 206
Client No.: RC-139	Client Description: Pipe Insulation	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 2 Cellulose	Percent Non-Fibrous Material: 98
Lab No.: 7554011	Analyst Observation: White Ceiling Tile	Location: Outside Room 206
Client No.: RC-140	Client Description: 24x48 Fissure Ceiling Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 30 Mineral Wool	Percent Non-Fibrous Material: 20
Lab No.: 7554012	Analyst Observation: White Ceiling Tile	Location: Corridor Outside Room 206
Client No.: RC-141	Client Description: 24x48 Fissure Ceiling Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 30 Mineral Wool	Percent Non-Fibrous Material: 20
Lab No.: 7554013	Analyst Observation: White Ceiling Tile	Location: 2nd Level
Client No.: RC-142	Client Description: 24x48 Fissure Ceiling Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 30 Mineral Wool	Percent Non-Fibrous Material: 20
Lab No.: 7554014	Analyst Observation: White Ceiling Tile	Location: Corridor Outside Room 233
Client No.: RC-143	Client Description: 24x48 Fissure Ceiling Tile	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 50 Cellulose 30 Mineral Wool	Percent Non-Fibrous Material: 20

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

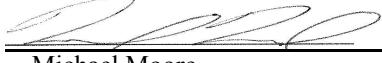
CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

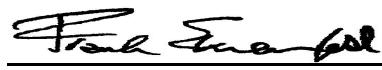
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554015 Client No.: RC-144 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Lt Blue Floor Tile Client Description: 12x12 Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 203 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554015(L2) Client No.: RC-144 Percent Asbestos: <i>None Detected</i>	Analyst Observation: Black Mastic Client Description: 12x12 Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 203 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554015(L3) Client No.: RC-144 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Leveling Compound Client Description: 12x12 Floor Tile Percent Non-Asbestos Fibrous Material: 2 Cellulose	Location: Room 203 Facility: Percent Non-Fibrous Material: 98
Lab No.: 7554016 Client No.: RC-145 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 203 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554017 Client No.: RC-146 Percent Asbestos: <i>PC Trace Chrysotile</i>	Analyst Observation: Tan Plaster Client Description: Wall Plaster Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level Corridor Outside Room 209 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554017(L2) Client No.: RC-146 Percent Asbestos: <i>None Detected</i>	Analyst Observation: White Plaster Client Description: Wall Plaster Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level Corridor Outside Room 209 Facility: Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

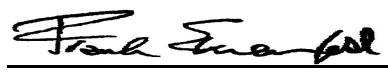
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554018	Analyst Observation: Tan Plaster	Location: 2nd Level Room 216
Client No.: RC-147	Client Description: Wall Plaster	Facility:
Percent Asbestos: <i>PC Trace Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7554018(L2)	Analyst Observation: White Plaster	Location: 2nd Level Room 216
Client No.: RC-147	Client Description: Wall Plaster	Facility:
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Michael Moore

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

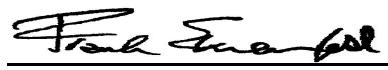
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554019 Client No.: RC-148	Analyst Observation: Tan Plaster Client Description: Wall Plaster	Location: 2nd Level Corridor Outside Room 220 Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	
Lab No.: 7554019(L2) Client No.: RC-148	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: 2nd Level Corridor Outside Room 220 Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7554020 Client No.: RC-149	Analyst Observation: Tan Plaster Client Description: Wall Plaster	Location: 2nd Level Corridor Facility: Percent Non-Fibrous Material: 99
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 1 Cellulose	
Lab No.: 7554020(L2) Client No.: RC-149	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: 2nd Level Corridor Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7554021 Client No.: RC-150	Analyst Observation: Grey Cement Product Client Description: Hardboard	Location: 2nd Level - Below Window Facility: Percent Non-Fibrous Material: 80
Percent Asbestos: <i>20 Chrysotile</i>	Percent Non-Asbestos Fibrous Material: None Detected	
Lab No.: 7554021(L2) Client No.: RC-150	Analyst Observation: Black Mastic Client Description: Hardboard	Location: 2nd Level - Below Window Facility: Percent Non-Fibrous Material: 100
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: None Detected	

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/24/2023
 Signature: 
 Analyst: Ellen Smith

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

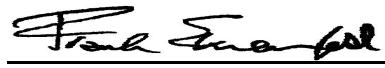
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554022	Analyst Observation: Grey Cement Product	Location: Room 217 - Below Window
Client No.: RC-151	Client Description: Hardboard	Facility:
Percent Asbestos: 20 Chrysotile	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 80
Lab No.: 7554022(L2)	Analyst Observation: Black Mastic	Location: Room 217 - Below Window
Client No.: RC-151	Client Description: Hardboard	Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7554023	Analyst Observation: Grey Cement Product	Location: 2nd Level - Below Window
Client No.: RC-152	Client Description: Hardboard	Facility:
Percent Asbestos: 20 Chrysotile	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 80
Lab No.: 7554023(L2)	Analyst Observation: Black Mastic	Location: 2nd Level - Below Window
Client No.: RC-152	Client Description: Hardboard	Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100
Lab No.: 7554024	Analyst Observation: Grey Cement Product	Location: Room 234 - Below Window
Client No.: RC-153	Client Description: Hardboard	Facility:
Percent Asbestos: 20 Chrysotile	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 80
Lab No.: 7554024(L2)	Analyst Observation: Black Mastic	Location: Room 234 - Below Window
Client No.: RC-153	Client Description: Hardboard	Facility:
Percent Asbestos: None Detected	Percent Non-Asbestos Fibrous Material: None Detected	Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/24/2023
 Signature: Ellen Smith
 Analyst: Ellen Smith

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554025 **Analyst Observation:** Tan Plaster **Location:** 2nd Level - Room 242
Client No.: RC-154 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected 1 Cellulose 99

Lab No.: 7554025(L2) **Analyst Observation:** White Plaster **Location:** 2nd Level - Room 242
Client No.: RC-154 **Client Description:** Wall Plaster **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7554026 **Analyst Observation:** Tan Plaster **Location:** 2nd Level - Corridor Outside
Client No.: RC-155 **Client Description:** Wall Plaster **Room:** 242
Percent Asbestos: Percent Non-Asbestos Fibrous Material: **Facility:**
None Detected None Detected Percent Non-Fibrous Material:
None Detected 100

Lab No.: 7554027 **Analyst Observation:** Lt Tan Floor Tile **Location:** Room 213 - 2nd Level
Client No.: RC-156 **Client Description:** 12'x12' Beige Speckle Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Lab No.: 7554027(L2) **Analyst Observation:** Yellow Mastic **Location:** Room 213 - 2nd Level
Client No.: RC-156 **Client Description:** 12'x12' Beige Speckle Floor Tile **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

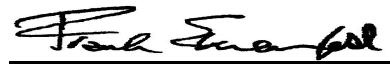
Lab No.: 7554028 **Analyst Observation:** White Joint Compound **Location:** Room 220 - 2nd Level
Client No.: RC-157 **Client Description:** Drywall Joint Compound **Facility:**
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:
None Detected None Detected 100

Note: No drywall present.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/24/2023
Signature: 
Analyst: Ellen Smith

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554029 Client No.: RC-158 Percent Asbestos: 65 Chrysotile	Analyst Observation: Grey Insulation Client Description: Elbow Insulation Percent Non-Asbestos Fibrous Material: 7 Cellulose	Location: Room 222 Facility: Percent Non-Fibrous Material: 28
Lab No.: 7554030 Client No.: RC-159 Percent Asbestos: 55 Chrysotile	Analyst Observation: Grey Insulation Client Description: Elbow Insulation Percent Non-Asbestos Fibrous Material: 10 Cellulose	Location: Room 222 Facility: Percent Non-Fibrous Material: 35
Lab No.: 7554031 Client No.: RC-160 Percent Asbestos: None Detected	Analyst Observation: Lt Tan Floor Tile Client Description: 12'x12' Yellow Floor Tile Percent Non-Asbestos Fibrous Material: None Detected	Location: Room 236 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554031(L2) Client No.: RC-160 Percent Asbestos: None Detected	Analyst Observation: Black Mastic Client Description: 12'x12' Yellow Floor Tile Percent Non-Asbestos Fibrous Material: 1 Cellulose	Location: Room 236 Facility: Percent Non-Fibrous Material: 99
Lab No.: 7554032 Client No.: RC-161 Percent Asbestos: None Detected	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound Percent Non-Asbestos Fibrous Material: None Detected	Location: 2nd Level - Room 242 Facility: Percent Non-Fibrous Material: 100
Lab No.: 7554033 Client No.: RC-162 Percent Asbestos: 55 Chrysotile	Analyst Observation: Grey Insulation Client Description: Pipe Parging Elbow Percent Non-Asbestos Fibrous Material: 10 Cellulose	Location: Record Storage Room - 1st Level Facility: Percent Non-Fibrous Material: 35

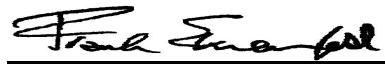
Note: No drywall present.

Lab No.: 7554033 Client No.: RC-162 Percent Asbestos: 55 Chrysotile	Analyst Observation: Grey Insulation Client Description: Pipe Parging Elbow Percent Non-Asbestos Fibrous Material: 10 Cellulose	Location: Record Storage Room - 1st Level Facility: Percent Non-Fibrous Material: 35
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Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/24/2023
 Signature: 
 Analyst: Ellen Smith

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited Report Date: 1/23/2023
 20 Duke St., Suite 109 Report No.: 676336 - PLM
 Bedford NS B4A 2Z5 Project: Royalty Center
 Client: ALL131 Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7554034 **Analyst Observation:** White Joint Compound
Client No.: RC-163 **Client Description:** Drywall Joint Compound
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:**
None Detected None Detected
Location: Record Storage Room
Facility:
Percent Non-Fibrous Material: 100

Note: No drywall present.

Lab No.: 7554035 **Analyst Observation:** Grey Insulation
Client No.: RC-164 **Client Description:** Elbow Insulation On Blue Pipe
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:**
60 Chrysotile 4 Cellulose
Location: Record Storage Room
Facility:
Percent Non-Fibrous Material: 36

Lab No.: 7554036 **Analyst Observation:** Blue Floor Tile
Client No.: RC-165 **Client Description:** 12'x12' Blue Floor Tile
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:**
None Detected None Detected
Location: Office In The Record Storage Room
Facility:
Percent Non-Fibrous Material: 100

Insufficient mastic to analyze

Lab No.: 7554037 **Analyst Observation:** White Joint Compound
Client No.: RC-166 **Client Description:** Drywall Joint Compound
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:**
None Detected None Detected
Location: Record Storage Room
Facility:
Percent Non-Fibrous Material: 100

Note: No drywall present.

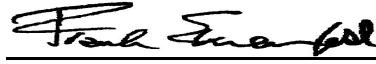
Lab No.: 7554038 **Analyst Observation:** Tan Fibrous
Client No.: RC-167 **Client Description:** Spaghetti Ceiling
Percent Asbestos: **Percent Non-Asbestos Fibrous Material:**
None Detected 70 Cellulose
Location: Record Storage Room
Facility:
Percent Non-Fibrous Material: 30

Sample received wet

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/24/2023
 Signature: 
 Analyst: Ellen Smith

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5	Report Date: 1/23/2023
	Report No.: 676336 - PLM
	Project: Royalty Center
Client: ALL131	Project No.: PE22400

Appendix to Analytical Report

Customer Contact:

Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

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

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

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

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

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

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

Information Pertinent to this Report:

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

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

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

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

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

CERTIFICATE OF ANALYSIS

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20 Duke St., Suite 109
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Project No.: PE22400

Client: ALL131

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

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

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

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

Disclaimers / Qualifiers:

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

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

Recommendations for Vermiculite Analysis:

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

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

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

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

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

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

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

CERTIFICATE OF ANALYSIS

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20 Duke St., Suite 109
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Report Date: 1/23/2023
Report No.: 676336 - PLM
Project: Royalty Center
Project No.: PE22400

Client: ALL131

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004

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

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004

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

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

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

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

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

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

APPENDIX II

Laboratory Certificate of Analysis – Lead Paint Samples

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

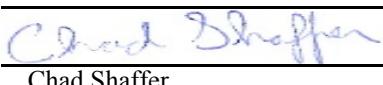
Report Date: 1/23/2023
Report No.: 676316 - Lead Paint
Project: Royalty Center
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7553586 Client No.: RCP-01	Description: Blue Paint Location: Electronic Supervision Program	Result (% by Weight): <0.0084 Result (ppm): <84 Comments: ***
Lab No.: 7553587 Client No.: RCP-02	Description: Green Paint Location: Community And Correctional Services	Result (% by Weight): 0.025 Result (ppm): 250 Comments: ***
Lab No.: 7553588 Client No.: RCP-03	Description: Grey Paint Location: Sage Room 1st Level	Result (% by Weight): 0.025 Result (ppm): 250 Comments:
Lab No.: 7553589 Client No.: RCP-04	Description: White Wall Paint Location: 1st Level New Section	Result (% by Weight): <0.016 Result (ppm): <160 Comments: * ***
Lab No.: 7553590 Client No.: RCP-05	Description: Grey Floor Paint Location: 1st Level New Section	Result (% by Weight): 0.054 Result (ppm): 540 Comments:
Lab No.: 7553591 Client No.: RCP-06	Description: Orange Paint Location: Room B 150	Result (% by Weight): <0.0095 Result (ppm): <95 Comments:
Lab No.: 7553592 Client No.: RCP-07	Description: Light Green Wall Paint Location:	Result (% by Weight): <0.0076 Result (ppm): <76 Comments: ***
Lab No.: 7553593 Client No.: RCP-08	Description: Green Door Trim Location:	Result (% by Weight): 0.076 Result (ppm): 760 Comments: ***

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Chad Shaffer

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited Report Date: 1/23/2023
 20 Duke St., Suite 109 Report No.: 676316 - Lead Paint
 Bedford NS B4A 2Z5 Project: Royalty Center
 Client: ALL131 Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7553594	Description: Grey Floor Paint	Result (% by Weight): 0.13
Client No.: RCP-09	Location: Record Storage	Result (ppm): 1300
Comments:		

Lab No.: 7553595	Description: Cream Wall Paint	Result (% by Weight): 0.037
Client No.: RCP-10	Location: Record Storage	Result (ppm): 370
Comments:		

Lab No.: 7553596	Description: Blue Wall Paint	Result (% by Weight): 0.95
Client No.: RCP-11	Location: Storage Room	Result (ppm): 9500
Comments:		

Lab No.: 7553597	Description: White Wall Paint	Result (% by Weight): 0.17
Client No.: RCP-12	Location: 1st Level	Result (ppm): 1700
Comments:		

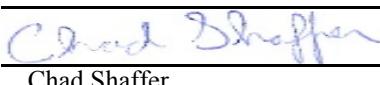
Lab No.: 7553598	Description: Blue Door Trim	Result (% by Weight): <Void
Client No.: RCP-13	Location: 1st Floor	Result (ppm): <Void
Comments: **		

Lab No.: 7553599	Description: Grey Floor Paint	Result (% by Weight): 0.014
Client No.: RCP-14	Location: Boiler Room	Result (ppm): 140
Comments:		

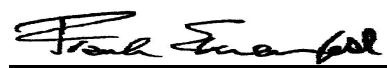
Lab No.: 7553600	Description: Brown Paint	Result (% by Weight): 0.014
Client No.: RCP-15	Location: Room 105 1st Floor	Result (ppm): 140
Comments: *		

Lab No.: 7553601	Description: Cream Color Paint	Result (% by Weight): 0.23
Client No.: RCP-16	Location: Gymnasium	Result (ppm): 2300
Comments:		

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: 
 Analyst: Chad Shaffer

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

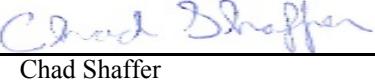
Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5
Client: ALL131

Report Date: 1/23/2023
Report No.: 676316 - Lead Paint
Project: Royalty Center
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7553602 Client No.: RCP-17	Description: Green Paint Location: Room Paint	Result (% by Weight): <0.0071 Result (ppm): <71 Comments: ***
Lab No.: 7553603 Client No.: RCP-18	Description: Grey Paint Location: Ping Pong Room 1st Level	Result (% by Weight): <0.0079 Result (ppm): <79 Comments:
Lab No.: 7553604 Client No.: RCP-19	Description: Dark Blue Paint Location: Room 128	Result (% by Weight): <0.014 Result (ppm): <140 Comments: *
Lab No.: 7553605 Client No.: RCP-20	Description: Green Wall Paint Location: Room 157	Result (% by Weight): 0.053 Result (ppm): 530 Comments: ***
Lab No.: 7553606 Client No.: RCP-21	Description: White Paint Location: Outside Room A314	Result (% by Weight): 0.056 Result (ppm): 560 Comments: ***
Lab No.: 7553607 Client No.: RCP-22	Description: Grey Door Trim Location: Room A312	Result (% by Weight): <0.013 Result (ppm): <130 Comments: * ***
Lab No.: 7553608 Client No.: RCP-23	Description: Green Door Paint Location: Room A350	Result (% by Weight): <Void Result (ppm): <Void Comments: ***
Lab No.: 7553609 Client No.: RCP-24	Description: Light Grey Door Trim Location: Room A342	Result (% by Weight): <0.0097 Result (ppm): <97 Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
Date Analyzed: 01/23/2023
Signature: 
Analyst: Chad Shaffer

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited Report Date: 1/23/2023
 20 Duke St., Suite 109 Report No.: 676316 - Lead Paint
 Bedford NS B4A 2Z5 Project: Royalty Center
 Client: ALL131 Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7553610	Description: Blue Paint	Result (% by Weight): 0.17
Client No.: RCP-25	Location: Exterior	Result (ppm): 1700
Comments:		

Lab No.: 7553611	Description: White Paint	Result (% by Weight): 0.26
Client No.: RCP-26	Location: 2nd Level	Result (ppm): 2600
Comments:		

Lab No.: 7553612	Description: Blue Door Trim	Result (% by Weight): 0.050
Client No.: RCP-27	Location: 2nd Level	Result (ppm): 500
Comments:		

Lab No.: 7553613	Description: Cream Color Wall Paint	Result (% by Weight): <Void
Client No.: RCP-28	Location: 2nd Level Outside Room 273	Result (ppm): <Void
Comments: **		

Lab No.: 7553614	Description: Brown Door Trim	Result (% by Weight): 0.073
Client No.: RCP-29	Location: Room 201	Result (ppm): 730
Comments: *		

Lab No.: 7553615	Description: Yellow Paint	Result (% by Weight): 0.028
Client No.: RCP-30	Location: Room 251	Result (ppm): 280
Comments: ***		

Lab No.: 7553616	Description: Black Paint	Result (% by Weight): 0.026
Client No.: RCP-31	Location: Stairs	Result (ppm): 260
Comments: *		

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/16/2023
 Date Analyzed: 01/23/2023
 Signature: Chad Shaffer
 Analyst: Chad Shaffer

Approved By:


 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 1/23/2023
Report No.: 676316 - Lead Paint
Project: Royalty Center
Project No.: PE22400

Client: ALL131

Appendix to Analytical Report:

Customer Contact:

Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

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

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: wchampion@iatl.com

iATL Account Representative: Semih Kocahasan

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Paint

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

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

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

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

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

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188
- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

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

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 1/23/2023
Report No.: 676316 - Lead Paint
Project: Royalty Center
Project No.: PE22400

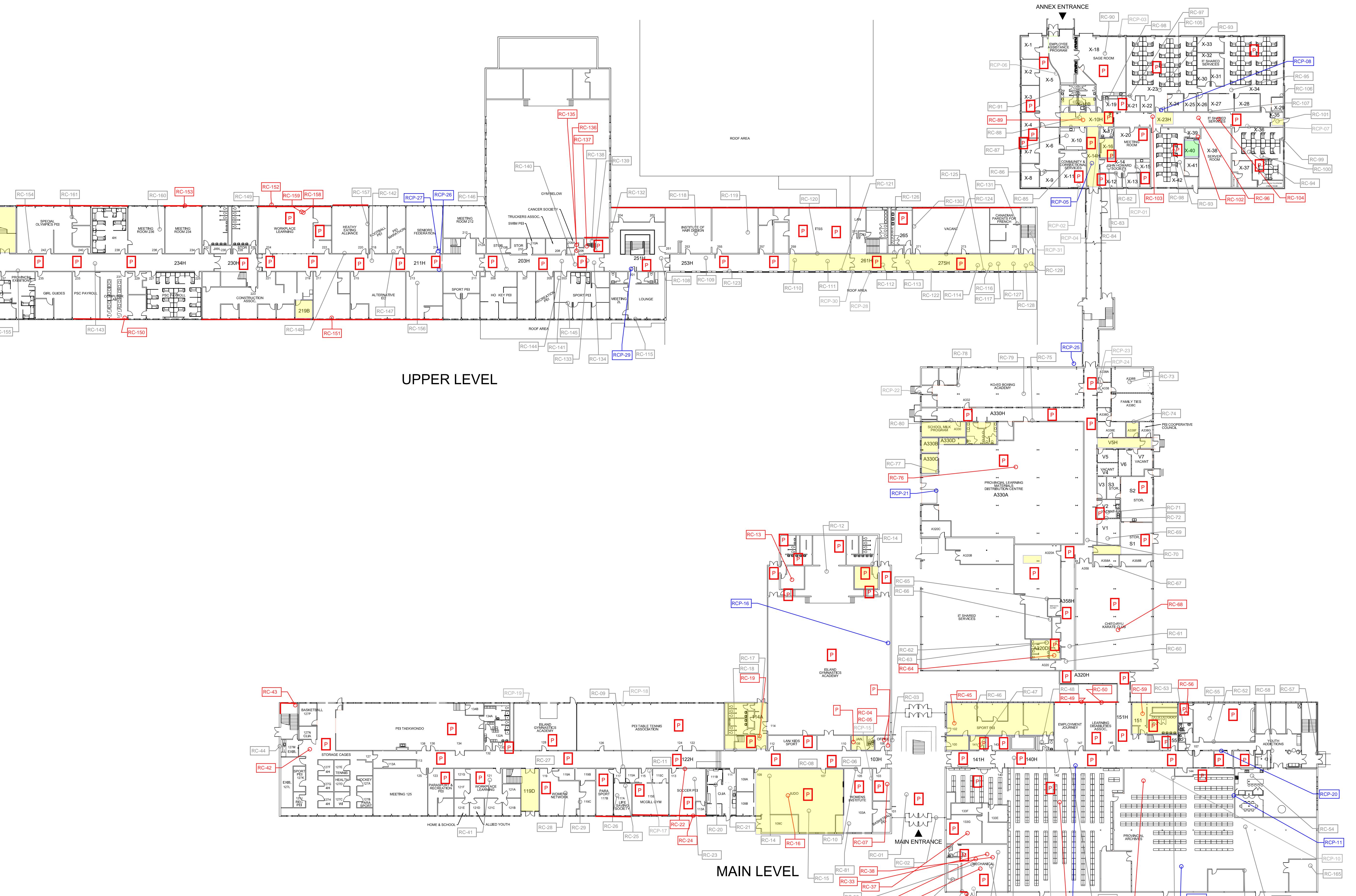
Client: ALL131

* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

APPENDIX III

Site Drawings with sample locations and ACM locations



ASBESTOS SURVEY BY

ALL-TECH
ENVIRONMENTAL SERVICES LIMITED
162 TRIDER CRESIDENT
DARTMOUTH, NOVA SCOTIA
B3B 1R6

ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- = APPLIANCE
- = MECHANICAL
- = PIPE MATERIAL
- = DUCT WORK
- = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- = SAMPLE NUMBER ASBESTOS DETECTED
- = SAMPLE NUMBER NO ASBESTOS DETECTED
- = SAMPLE NUMBER LEAD PAINT DETECTED

proj
PE2240
ROYALTY CENTRE
40 ENMAN CRES.
CHARLOTTETOWN PEI

drawn
Royalty Centre

Designed LK
Date FEB_2023
Drawn AJH
Date MAR_2023

NOTE:
THIS DRAWING SHOULD BE USED
FOR REFERENCE PURPOSES ONLY
REFER TO THE ASBESTOS AND
LEAD SURVEYS FOR THE ROOM DATE
FOR SPECIFIC DETAILS

Scale 1 OF 1

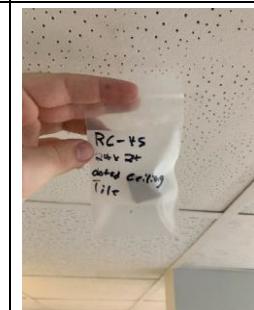
Scale NOT TO SCALE

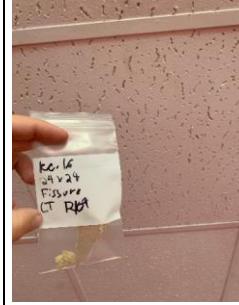
Revisions Date

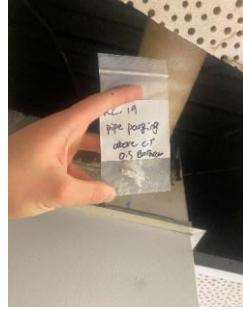
APPENDIX IV

Summary of ACM conditions report

Royalty Centre (Main Floor) - Summary of ACM Conditions Report (2022)

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
	Exterior	RC-30	Transite hardboard panel	Chrysotile 15%	2 m2	NF	exterior	Fair	3	
100	Sport PEI	VRC-45	24" x 24" dotted ceiling tile	Amosite 1.1%	14 m2	F	C	Good	5	
101A	Main Entrance Lobby	VRC-04	Pipe parging	Chrysotile 20%	12 units	F	C	Fair	5	
102	Sports PEI	RC-45	24" x 24" dotted ceiling tile	Amosite 1.1%	55 m2	F	C	Good	5	
103	Between Basketball and Women's Institute	RC-07	Pipe parging	Chrysotile 20%	19 units	F	C	Fair	5	
103H	Main Hallway Between CLIA and Women's Institute	VRC-19	Pipe parging and hangers	Chrysotile 20%	32 units	F	C	Fair	5	
105	Women's Institute	VRC-07	Pipe parging	Chrysotile 20%	10 units	F	C	Fair	5	
106	Office	RC-04	Pipe parging	Chrysotile 20%	24 units	F	C	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
108	Janitor	VRC-04	Pipe parging and hangers	Chrysotile 20%	20 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	9.5 m2	F	C	Fair	5	
109	Judo	RC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	145 m2	F	C	Good	5	
		VRC-07	Pipe parging	Chrysotile 20%	18 units	F	C	Fair	5	
112	Lan/Kids Sports	VRC-13	Pipe parging	Chrysotile 20%	8 units	F	C	Fair	5	
113	Soccer PEI	RC-22	Grey adhesive	Chrysotile 2.3%	--	NF	B	Good	5	
			Off-white joint compound	Chrysotile 1.7%	--	F	B	Good	5	
		RC-24	Transite hardboard panel	Chrysotile 25%	11 m2	NF	B	Good	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
		VRC-19	Pipe parging	Chrysotile 20%	2 units	F	C	Fair	5	
114	Gymnastics Academy	RC-13	Pipe parging	Chrysotile 20%	5 units	F	C	Fair	5	
		VRC-13	Pipe parging and hangers	Chrysotile 20%	100 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	10 m2	F	C	Good	5	
		RC-19	Pipe parging	Chrysotile 20%	40 units	F	C	Fair	5	
114A	Bathrooms Outside Gymnastics	VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	2 units	F	C	Good	5	
		VRC-19	Pipe parging and hangers	Chrysotile 20%	6 units	F	C	Fair	5	
115	McGill Gym	VRC-24	Transite hardboard panel	Chrysotile 25%	7 m2	NF	B	Good	5	
		VRC-24	Transite hardboard panel	Chrysotile 25%	3.5 m2	NF	B	Good	5	
117A	Life Saving Society	VRC-19	Pipe parging	Chrysotile 20%	4 units	F	C	Fair	5	
117B	Para Sport	VRC-24	Transite hardboard panel	Chrysotile 25%	3.5 m2	NF	B	Good	5	
		VRC-42	Pipe parging and hangers	Chrysotile 60%	28 units	F	C	Fair	5	
119	Women's Network	VRC-42	Pipe parging and hangers	Chrysotile 60%	10 units	F	C	Poor	5	
119D	Room Between Women's Network and Workplace Learning	VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	30.8 m2	F	C	Good	5	
121	Workplace Learning	VRC-42	Pipe elbow parging	Chrysotile 60%	10 units	F	C	Poor	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
122H	Main Hallway Between Taekwondo and Table Tennis	VRC-19	Pipe parging and hangers	Chrysotile 20%	80 units	F	C	Fair	5	
123	Parasport and Recreation	VRC-42	Pipe elbow parging	Chrysotile 60%	6 units	F	C	Fair	5	
124	Table Tennis Association	VRC-19	Pipe parging and hangers	Chrysotile 20%	47 units	F	C	Fair	5	
127	Storage	RC-42	Pipe elbow parging	Chrysotile 60%	159 units	F	C	Fair	5	
127P	Storage Room	RC-43	Transite hardboard panel	Chrysotile 20%	9.1 m2	NF	B	Good	5	
128	Island Gymnastics Academy	VRC-42	Pipe parging and hangers	Chrysotile 60%	21 units	F	C	Fair	5	
130	Room Between Taekwondo and Gymnastics	VRC-42	Pipe parging	Chrysotile 60%	6 units	F	C	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
133G	Mechanical / Boiler	RC-33	Orange 8" elbow pipe parging	Chrysotile 60%	--	F	D	Good	5	
		RC-34	Parging on blue boiler stack	Chrysotile 60%	--	F	D	Fair	5	
		RC-35	Gasket boiler	Chrysotile 50%	--	F	D	Good	5	
		RC-37	Pipe elbow parging	Chrysotile 50%	90 units	F	D	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
		RC-38	Orange expansion valve parging	Chrysotile 25%	--	F	D	Fair	5	
134	Taekwondo	VRC-42	Pipe parging and hangers	Chrysotile 60%	111 units	F	C	Fair	5	
140	Provincial Archives	VRC-162	Pipe parging and hangers	Chrysotile 55%	28 units	F	C	Fair	5	
140H	Main Hallway Between Sport PEI and Youth Addictions	VRC-37	Pipe parging	Chrysotile 50%	40 units	F	C	Fair	5	
141	Sport PEI	VRC-37	Pipe parging	Chrysotile 50%	25 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	10.5 m2	F	C	Good	5	
141H	Hallway Outside Sport PEI and Archives	VRC-37	Pipe parging	Chrysotile 50%	30 units	F	C	Fair	5	
142	Provincial Archives	RC-164	Elbow insulation on blue pipe	Chrysotile 60%	67 units	F	C	Fair	5	
143	Sport PEI	VRC-37	Pipe parging	Chrysotile 50%	7 units	F	C	Fair	5	
144	Provincial Archives	RC-162	Pipe parging elbow	Chrysotile 55%	92 units	F	C	Fair	5	
147	Employment Journey	RC-49	Transite hardboard panel	Chrysotile 20%	7 m2	NF	B	Good	5	
149	Learning Disability Assoc.	RC-50	Transite hardboard panel	Chrysotile 20%	7 m2	NF	B	Good	5	
149	Learning Disability Assoc.	VRC-59	Parging on hanger	Chrysotile 65%	8 units	F	C	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
151	Bathrooms Outside Youth Addictions	RC-59	Parging on hanger	Chrysotile 65%	5 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	37 m2	F	C	Good	5	
151H	Main Hallway Outside Room 151	VRC-37	Pipe parging	Chrysotile 50%	15 units	F	C	Fair	5	
155	Room Outside Youth Addictions	VRC-56	Pipe elbow parging	Chrysotile 40%	5 units	F	C	Fair	5	
157	Youth Addiction	RC-56	Pipe elbow parging	Chrysotile 40%	5 units	F	C	Fair	5	
		VRC-56	Pipe parging and hangers	Chrysotile 40%	18 units	F	C	Fair	5	
A320A	IT Shared Services	VRC-64	Pipe elbow parging	Chrysotile 50%	12 units	F	C	Fair	5	
		RC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	1 unit	F	C	Good	5	
A320D	Bathroom Outside IT Shared Services	RC-64	Pipe elbow parging	Chrysotile 50%	6 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	24 m2	F	C	Good	5	
A320H	Main Hallway Between Room A320 and Room 151	VRC-37	Pipe parging	Chrysotile 50%	6 units	F	C	Fair	5	
A330	School Milk Program	VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	26.4 m2	F	C	Good	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
A330A	Materials Distribution Center	RC-76	Pipe elbow parging	Chrysotile 55%	65 units	F	C	Fair	5	
A330B		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	10 m2	F	C	Good	5	
A330C		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	15 m2	F	C	Good	5	
A330D		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	6 m2	F	C	Good	5	
A330H	Main Hallway Between Milk Program and KO-ED Boxina	VRC-38	Pipe parging	Chrysotile 50%	20 units	F	C	Fair	5	
	Bathroom by School Milk Program and Hallway	VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	15 m2	F	C	Good	5	
A338F	Family Ties	VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	7.4 m2	F	C	Good	5	
A338H	Main Hallway Between Family Ties and Storage Room 1	VRC-64	Pipe elbow parging	Chrysotile 50%	20 units	F	C	Fair	5	
A358	Karate Club	RC-68	Pipe elbow parging	Chrysotile 60%	60 units	F	C	Fair	5	
A358H	Main Hallway Between IT Shared Services and Karate	VRC-37	Pipe parging	Chrysotile 50%	10 units	F	C	Fair	5	
S1	Storage Room	VRC-68	Pipe elbow parging	Chrysotile 60%	12 units	F	C	Fair	5	
		VRC-16	24" x 24" dotted fissure ceiling tile	Chrysotile 1.3%	6.2 m2	F	C	Good	5	
S2	Storage Room	VRC-68	Pipe elbow parging	Chrysotile 60%	28 units	F	C	Fair	5	
X-3	Employee Assistance	VRC-103	Parging on hanger	Chrysotile 20%	2 units	F	C	Fair	5	
X-4	Employee Assistance	VRC-103	Parging on hanger	Chrysotile 20%	3 units	F	C	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
X-5	Employee Assistance	VRC-103	Pipe parging and hangers	Chrysotile 20%	32 units	F	C	Fair	5	
X-7	Community & Correctional Services	VRC-103	Parging on hanger	Chrysotile 20%	4 units	F	C	Fair	5	
X-10B	Bathroom Outside Community & Correctional Services	VRC-89	24" x 48" fissure dotted ceiling tile	Chrysotile 1.1%	20 m2	F	C	Good	5	
X-10H	Hallway Outside Community Rec Services	RC-89	24" x 48" fissure dotted ceiling tile	Chrysotile 1.1%	32.5 m2	F	C	Good	5	
		VRC-103	Parging on hanger	Chrysotile 20%	4 units	F	C	Fair	5	
X-11	Community & Correctional Services	VRC-103	Pipe parging and hangers	Chrysotile 20%	12 units	F	C	Fair	5	
X-12	John Howard Society	VRC-103	Pipe parging	Chrysotile 20%	1 unit	F	C	Fair	5	
X-14H	Hall Outside John Howard Society	VRC-89	24" x 48" fissure dotted ceiling tile	Chrysotile 1.1%	12 units	F	C	Good	5	
X-15	John Howard Society	VRC-103	Pipe parging	Chrysotile 20%	1 unit	F	C	Fair	5	
X-16	Janitor Closet	VRC-89	24" x 48" fissure dotted ceiling tile	Chrysotile 1.1%	5 units	F	C	Good	5	
X-18	Sage Room	VRC-103	Parging on hanger	Chrysotile 20%	18 units	F	C	Fair	5	
X-19	Staff Lunch Room	VRC-103	Pipe parging and hangers	Chrysotile 20%	6 units	F	C	Fair	5	
X-20	Meeting Room	VRC-103	Pipe parging and hangers	Chrysotile 20%	22 units	F	C	Fair	5	
X-23	IT Shared Services	VRC-103	Pipe parging and hangers	Chrysotile 20%	24 units	F	C	Fair	5	
X-23H	Main Hallway in IT Shared Services	RC-96	24" x 48" fissure dotted ceiling tile	Chrysotile 1.0%	2 units	F	C	Good	5	
		RC-103	Pipe parging	Chrysotile 20%	8 units	F	C	Fair	5	
		RC-104				F	C	Fair	5	

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
X-34	IT Shared Services	VRC-103	Pipe parging and hangers	Chrysotile 20%	34 units	F	C	Fair	5	
X-35		VRC-96	24" x 48" fissure dotted ceiling tile	Chrysotile 1.0%	2 units	F	C	Good	5	
X-36		VRC-103	Pipe parging and hangers	Chrysotile 20%	22 units	F	C	Fair	5	
X-40	Server Room	RC-102	12"x12" beige with green stripe floor tile	Chrysotile 1.1%	5.0 m2	NF	B	Good	5	
X-42	IT Shared Services	VRC-103	Pipe parging and hangers	Chrysotile 20%	16 units	F	C	Fair	5	
V2	Vacant Room	VRC-68	Pipe elbow parging	Chrysotile 60%	1 unit	F	C	Fair	5	
V5H	Main Hallway Between Vacant Room 5 and Vacant Room 7	VRC-16	24"x 48" fissure dotted ceiling tile	Chrysotile 1.3%	24.2 m2	F	C	Good	5	

LEGEND

Sample Number Identifiers

RC-##	actual sample number
VRC-##	visually identified same as this sample number

Units

EA	Each
m	meters
m ²	square metres
m ³	cubic metres

PACM presumed asbestos containing material

ASSESSMENT CODES

ACCESS		CONDITION	
A	Accessible to all building occupants	GOOD	ACM is completely covered and/or exhibits no evidence of damage or deterioration
B	Accessible to maintenance and operations staff without a ladder	FAIR	Minor penetrating damage to ACM (cuts, tears, nicks, deterioration, or delamination).
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	POOR	ACM is damaged, deteriorated or delaminated
D	Not normally accessible		

ACTION CODES

1	Immediate Clean-up of Debris that is likely to be disturbed.	4	ACM repair
2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

Royalty Centre (2nd floor) - Summary of ACM Conditions Report (2022)

Room No.	Description	Sample No.	Material description	Asbestos Type & Content (%)	Estimated Volume or Area	Friable (F) Non-friable (NF)	Access	Condition	Action Code (refer to legend)	Photo
202	Institute of Hair Design	VRC-151	Transite hardboard panel	Chrysotile 20%	9 m2	NF	A	Good	5	
203H	Corridor between Sport PEI and Hockey PEI	VRC-136	Pipe parging	Chrysotile 60%	30 units	F	C	Fair	5	
206	Cancer Society	RC-135	Pipe parging	Chrysotile 60%	5 units	F	C	Fair	5	
		RC-136	Pipe parging		14 units	F	C	Fair	5	
		RC-137	Pipe parging			F	C	Fair	5	
206B	Sun Room above Cancer Society	VRC-136	Pipe parging	Chrysotile 60%	7 units	F	C	Fair	5	
		VRC-151	Transite hardboard panel	Chrysotile 20%	11 m2	NF	A	Good	5	
211H	Corridor between Sport PEI and Construction Assoc.	VRC-136	Pipe parging	Chrysotile 60%	23 units	F	C	Fair	5	
213	Alternative Ed	VRC-151	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	

215	Alternative Ed	VRC-151	Transite hardboard panel	Chrysotile 20%	13.5 m2	NF	A	Good	5	
217	Alternative Ed	RC-151	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	
219B	Construction Association	VRC-16	24" x 48" fissure dotted ceiling tile	Chrysotile 1.3%	14 m2	F	C	Good	5	
220	Healthy Eating Alliance	RC-152	Transite hardboard panel	Chrysotile 20%	7.2m	NF	A	Good	5	
221	Construction Association	VRC-152	Transite hardboard panel	Chrysotile 20%	27 m2	NF	A	Good	5	
222	Workplace Learning	RC-158	Elbow insulation	Chrysotile 65%	6 units	F	C	Fair	5	
		RC-159		Chrysotile 55%		F	C	Fair	5	
		VRC-152	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	
		RC-152	Transite hardboard panel	Chrysotile 20%	5.6 m2	NF	A	Good	5	
		VRC-158	Pipe parging	Chrysotile 65%	6 units	F	C	Fair	5	
230H	Main Hallway Between Janitor Closet and Construction Assoc.	VRC-158	Parging on hangers	Chrysotile 65%	2 units	F	C	Fair	5	
231	Computer Lab	RC-150	Transite hardboard panel	Chrysotile 20%	6.5 m2	NF	A	Good	5	
233	PSC Payroll	VRC-150	Transite hardboard panel	Chrysotile 20%	6.5 m2	NF	A	Good	5	
234	Meeting Room	RC-153	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	

234H	Main Hallway Between Meeting Room and Provincial Exhibitions	VRC-158	Pipe parging and hangers	Chrysotile 65%	23 units	F	C	Fair	5	
238	4H	VRC-153	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	
242	Special Olympics	VRC-153	Transite hardboard panel	Chrysotile 20%	8.7 m2	NF	A	Good	5	
242S	Stairwell Room Outside Special Olympics	VRC-16	24"x48" Fissure Dotted Ceiling Tile	Chrysotile 1.3%	33.5 m2	F	C	Good	5	
251H	Main Hallway Between Lounge and Institute of Hair Design	VRC-136	Pipe parging	Chrysotile 60%	5 units	F	C	Fair	5	
253	Institute of Hair Design	VRC-151	Transite hardboard panel	Chrysotile 20%	11 m2	NF	A	Good	5	
253H	Main Hallway Between ITSS and Institute of Hair Design	VRC-136	Pipe parging	Chrysotile 60%	11 units	F	C	Fair	5	
253H, 261H,275H	Main Hallway Between Hair Design and Parents for French	VRC-16	24"x48" Fissure Dotted Ceiling Tile	Chrysotile 1.3%	51.5m2	F	C	Good	5	
255	Institute of Hair Design	VRC-151	Transite hardboard panel	Chrysotile 20%	11 m2	NF	A	Good	5	
259	ITSS	VRC-136	Pipe parging	Chrysotile 60%	7 units	F	C	Fair	5	
		VRC-151	Transite hardboard panel	Chrysotile 20%	18.4 m2	NF	A	Good	5	
261	LAN	VRC-151	Transite hardboard panel	Chrysotile 20%	2.9 m2	NF	A	Good	5	
261H	Main Hallway Outside LAN and Bathroom	VRC-136	Pipe parging	Chrysotile 60%	5 units	F	C	Fair	5	
265	Bathroom	VRC-136	Pipe parging	Chrysotile 60%	1 unit	F	C	Fair	5	
271	Vacant Room Beside Bathroom	VRC-151	Transite hardboard panel	Chrysotile 20%	10.5 m2	NF	A	Good	5	
275	Canadian Parents for French	VRC-151	Transite hardboard panel	Chrysotile 20%	7.4 m2	NF	A	Good	5	
275H	Main Hallway Between Canadian Parents for French and Bathroom	VRC-136	Pipe parging	Chrysotile 60%	6 units	F	C	Fair	5	

LEGEND

Sample Number Identifiers		Units	
RC-##	actual sample number	EA	Each
VRC-##	visually identified same as this sample number	m	meters
		m ²	square metres
		m ³	cubic metres

ASSESSMENT CODES

ACCESS		CONDITION	
A	Accessible to all building occupants	GOOD	ACM is completely covered and/or exhibits no evidence of damage or deterioration
B	Accessible to maintenance and operations staff without a ladder	FAIR	Minor penetrating damage to ACM (cuts, tears, nicks, deterioration, or delamination).
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas	POOR	ACM is damaged, deteriorated or delaminated
D	Not normally accessible		

ACTION CODES

1	Immediate Clean-up of Debris that is likely to be disturbed.	4	ACM repair
2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

APPENDIX V

Summary of other Hazardous Materials report

Royalty Centre (Main Floor) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
114	Island Gymnastics Academy	RCP-16	Cream Color / Concrete wall surface	0.23	All like painted wall surfaces to be treated as lead based paints	
142	Provincial Archives	RCP-12	White Paint / Wall Surface	0.17	All like painted wall surfaces to be treated as lead based paints	
144	Provincial Archives	RCP-09	Grey Paint / Floor Surface	0.13	All like painted floor surfaces to be treated as lead based paints	
		RCP-11	Blue Paint / Wall Surface	0.95	All like painted wall surfaces to be treated as lead based paints	

A332A	Outside KO-ED Boxing Academy	RCP-25	Blue Paint / Exterior trim	0.17	All like painted exterior trim surfaces to be treated as lead based paints		
X-23A	Main Hallway in IT Shared Services	RCP-08	Green Paint / Door Trim	0.076	All like painted doors to be treated as lead based paints		
<i>Silica</i>							
Room No.	Location	Sample No.	Material		Comments	Photo	
			Concrete floors and walls; plaster walls; terrazzo floors; exterior brick and mortars				

Royalty Centre (2nd floor) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
201	Lounge	RCP-29	Brown Paint / Door Trim	0.073	All like painted door trims to be treated as lead based paints	
214A	Hallway Outside Seniors Federation	RCP-26	White Paint / Wall surface	0.26	All like painted wall surfaces to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
			Concrete walls; plaster walls; terazzo floors		