

HAZARDOUS MATERIALS ASSESSMENT

Prince County Courts Building

108 Central Street, Summerside, PE

Prepared For:

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

May 2, 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 the Prince County Courts Buildings located at 108 Central Street in Summerside, 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 December 2022. 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.

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
Prince County Courts Buildings

<i>Hazardous Materials</i>	<i>Description / Comments</i>	<i>Safe Handling Requirements</i>	<i>Disposal Requirements</i>
ASBESTOS	<i>Court House & Jail</i> Asbestos containing plasters (white scratch coat & brown base coat).	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 R.S.P.E.I.</i>	Regulatory approval from PEIELJ Disposal at approved facility such as EPWMF in Wellington, PEI

LEAD PAINT	<i>Court House & Jail</i> - Grey wall paint (Basement) - Cream wall paint (Basement) - White / green wall paint (Basement) - Tan wall paint (2 nd floor) - Brown paint on wooden benches - Grey exterior stair trim paint	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.
SILICA	Presumed in the following building components: <ul style="list-style-type: none"> • Poured or pre-cast concrete (basement) • Masonry and mortar • Plaster 	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	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:	December 2022
Client Name:	PEI Department of Transportation & Infrastructure
Address:	Prince County Courts Buildings 108 Central Street, Summerside, 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 the Prince County Courts Buildings located at 108 Central Street in Summerside, 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 December 2022. 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	Courthouse, Sheriff office, Maintenance office
Number of Floors	Courthouse - 3 Floors plus a basement Sheriff and maintenance office - 1 floor
Total Area	Courthouse - 1,592 m ² Sheriff and maintenance office - 101.5 m ²
Year of Construction	Courthouse: 1876 Maintenance and Sheriff office: 1938
Structure	Wood; concrete
Exterior Cladding	Brick and mortar
HVAC	NA
Roof	Not assessed
Flooring	Vinyl sheet flooring; vinyl floor tiles; carpet; hardwood
Interior Walls	Plaster and drywall
Ceilings	Plaster; drywall; acoustic ceiling tile

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"> 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). Guide to Asbestos Management, Workers Compensation Board of PEI. Environmental Protection Act Chapter E-9 Waste Management Regulations, Prince Edward Island Transportation of Dangerous Goods Act (TDGA)
LEAD	<ul style="list-style-type: none"> Hazardous Products Act Prince Edward Island Department of Environment, Labour and Justice (PEIELJ) Transportation of Dangerous Goods Act (TDGA) The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
PCB's	<ul style="list-style-type: none"> Environmental Contaminants Act, Chlorophenyl Regulations Environment Canada – “Identification of Lamp Ballasts Containing PCB's,” report EPS 2/CC/2 (revised) August 1991

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 for the on-going management of any hazardous materials identified. 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.

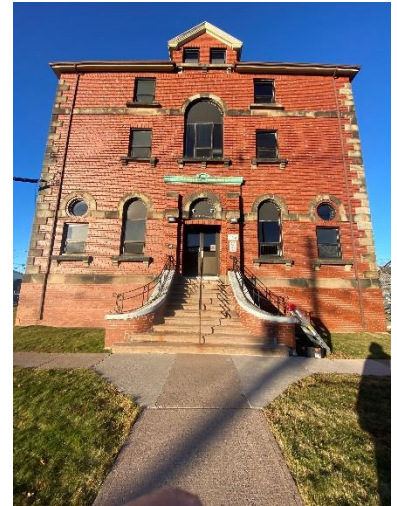
4 ASSESSMENT FINDINGS

4.1 ASBESTOS

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

Court House & Jail

A total of forty-eight (48) bulk material samples were collected within the Court House & Jail building during the survey. Some of these samples such as flooring, plasters, and drywall joint compounds were separated and a total of seventy-nine (79) samples were analyzed. Of the 79 samples analyzed, three (3) plaster samples were found to be asbestos containing.



DTI Maintenance & Sheriff Offices

A total of ten (10) bulk material samples were collected within the Maintenance & Sheriff Offices during the survey. Some of these samples such as floor coverings and mastics were separated and a total of twelve (12) samples were analyzed. Of the 12 samples analyzed, none 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

Courthouse & Jail

Texture coat finishes were observed on plaster walls. These samples are included in the plaster section 4.1.5 below.

Maintenance & Sheriff Offices

No texture coat finished were observed or reported in the assessed areas.

4.1.2 Pipe Insulation

Courthouse & Jail

Mechanical pipe parging cement was noted in limited areas in the basement. Samples were collected and the parging was analyzed as anon asbestos material. Straight runs of pipe insulation were visibly identified as fiberglass (Photo 2).

Maintenance & Sheriff Offices

No mechanical pipe insulations of pipe parging was observed or reported in assessed areas of the building.



Photo 1



Photo 2

4.1.3 Duct Insulation

Courthouse & Jail

Newer flexible foil duct observed in attic space. No suspect ACM duct insulations observed or reported in accessible areas (photo 1).

Maintenance & Sheriff Offices

Duct insulations were visibly identified as fiberglass.



Photo 1



4.1.4 Mechanical Equipment Insulation

Courthouse & Jail

No mechanical equipment insulations were observed or reported.

Maintenance & Sheriff Offices

No mechanical pipe insulations of pipe parging was observed or reported.



Photo 1

4.1.5 Plaster & Texture Coat

Courthouse & Jail

Plaster walls and ceiling were noted and sampled in various random locations throughout the building. Representative sampling was completed on each floor of the building.

Basement - 4 samples / 0 ACM

1st floor - 6 samples / 0 ACM

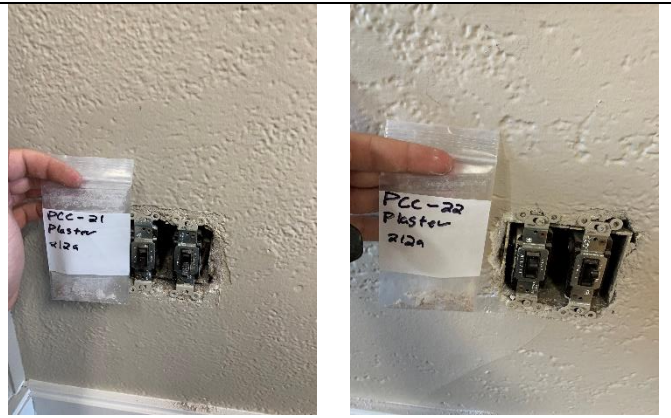
2nd floor – 4 samples / 3 ACM

3rd floor – 5 samples / 0 ACM

A total of nineteen (19) plaster samples were collected with both the white scratch coat and underlying base coats analyzed. **Two of the white scratch coat samples were found to contain 2.3% - 2.5% Chrysotile asbestos (samples PCC-21 & PCC-22). One of the brown base coat samples was found to contain 1.1% Chrysotile asbestos (sample PCC-27).**

Maintenance & Sheriff Offices

No plaster finishes were observed or reported in assessed areas of the building.



4.1.6 Drywall Joint Compound

Courthouse & Jail

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.

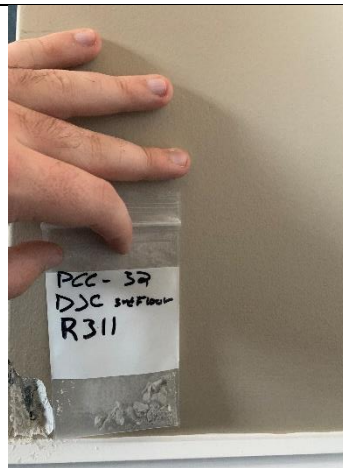
A total of fifteen (15) joint compound samples were collected during the assessment. None of the samples were found to be asbestos containing.

Maintenance & Sheriff Offices

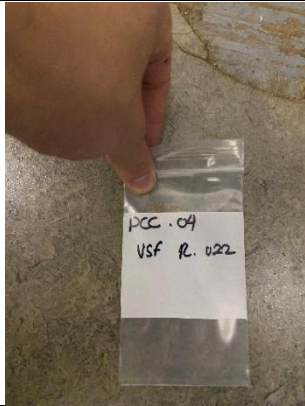
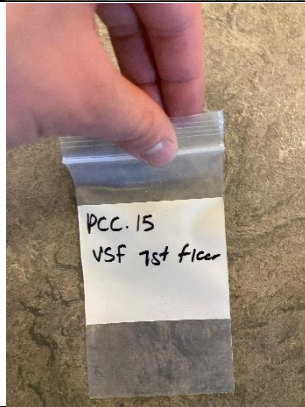
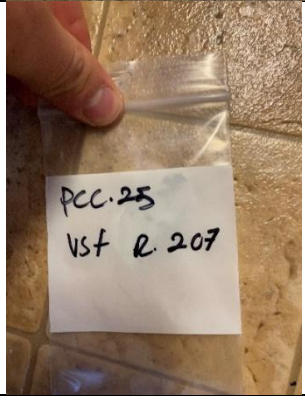
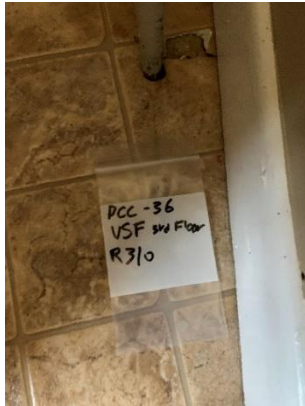
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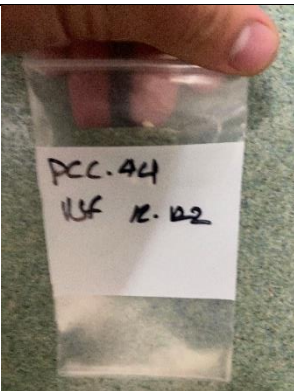
Representative sampling was completed.

A total of eight (8) joint compound samples were collected during the assessment. None of the samples were found to be asbestos containing.



4.1.7 Vinyl Sheet Flooring

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
Courthouse & Jail				
PCC-04	Brown vinyl sheet flooring with tan mastic	Room 022	None Detected in flooring or mastic	
PCC-15	Beige vinyl sheet flooring	1 st floor	None Detected	
PCC-25	Tan vinyl sheet flooring with yellow mastic	Room 207	None Detected in flooring or mastic	
PCC-36	Beige vinyl sheet flooring with yellow mastic	Room 310	None Detected in flooring or mastic	

PCC-44	Green vinyl sheet flooring with yellow mastic	Room 122	None Detected in flooring or mastic	
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4.1.8 Vinyl Floor Tiles

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
Courthouse & Jail				
PCC-06	12'x12' Grey floor tile with tan mastic	Room 002b	None Detected in flooring or mastic	
PCC-08	12'x12' Grey floor tile with black mastic	Basement kitchen	None Detected in flooring or mastic	

Sample No.:	Flooring Description	Location	Asbestos Type / Content (%)	Photo
Maintenance & Sheriff Offices				
MO-01 MO-03	12'x12' Grey floor tile with black mastic	Maintenance office washroom / Sheriff's office washroom	None Detected in floorings or mastics	NA

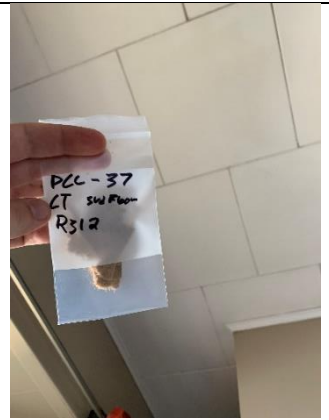
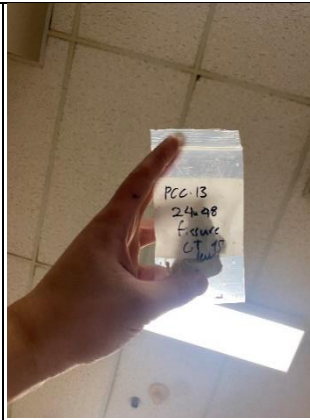
4.1.9 Ceiling Tiles

Court House & Jail

Limited areas of ceiling tiles were observed during the assessment. Some in-lay acoustic ceilings were noted and sampled on the 1st floor. The tiles were sampled and analyzed as non-asbestos containing. Other areas were noted with 12" x 12" plain fixed ceiling tiles. These tiles were sampled and analyzed as non-asbestos containing.

Maintenance & Sheriff Offices

No ceiling tiles observed or reported at the time of the assessment.



4.1.10 Other Building Materials

Court House & Jail

Attic space wood structure and flooring. No suspect ACM.



Maintenance & Sheriff Offices

No other suspect building materials were observed or reported.
Attic insulation visibly identified as fiberglass.



4.1.11 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven by sampling and analysis:

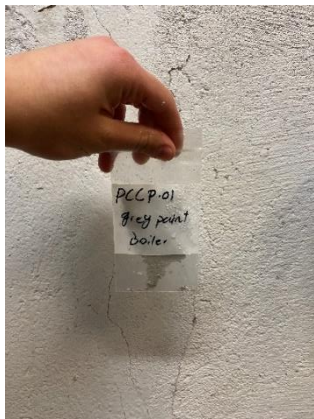
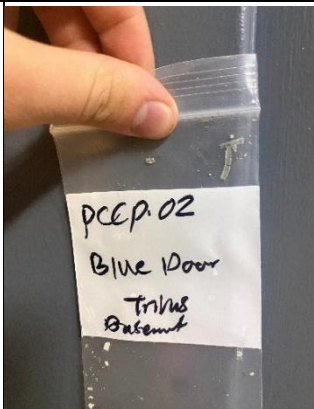
- Roofing felts and tar

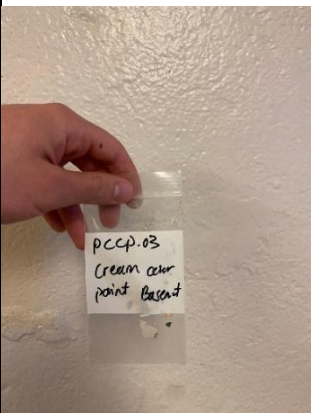
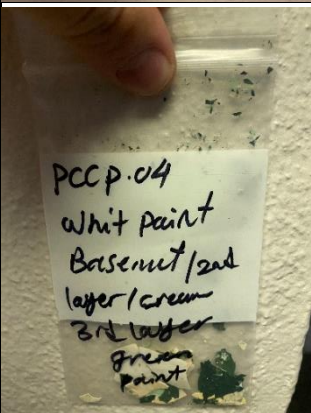
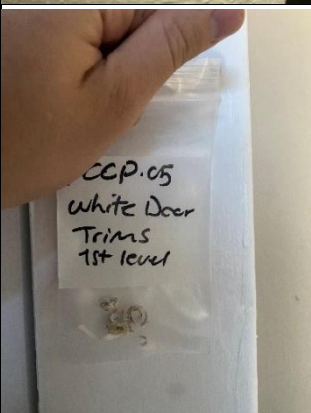
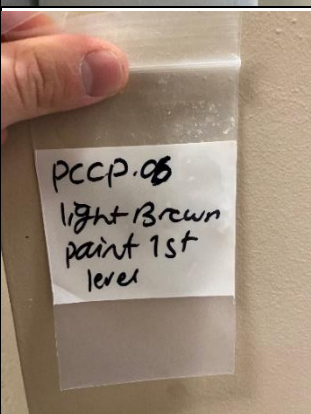
4.2 LEAD-BASED PAINTS

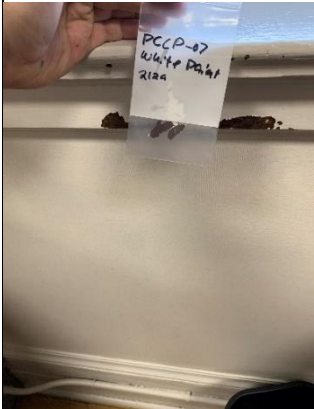
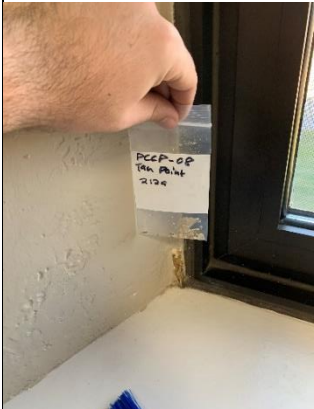
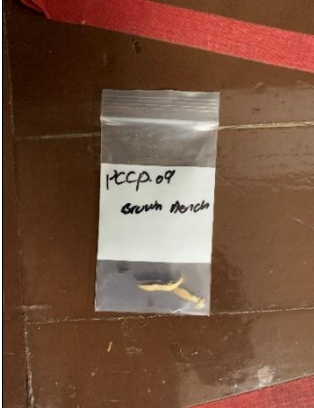
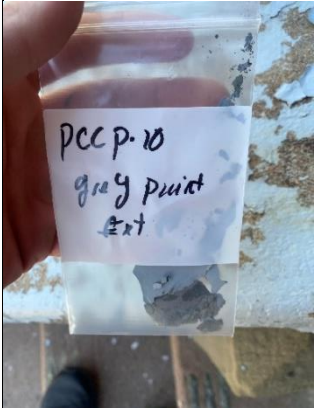
Based on the age of the buildings, lead based paints were sampled. A total of ten (10) painted surface coatings were sampled within the Court House and Jail building and five (5) samples were collected in the Maintenance and Sheriff's office building. Samples were sent to the laboratory for analysis for lead in paint.

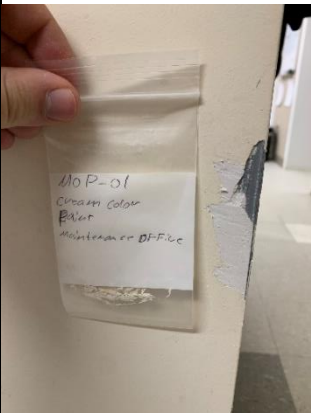
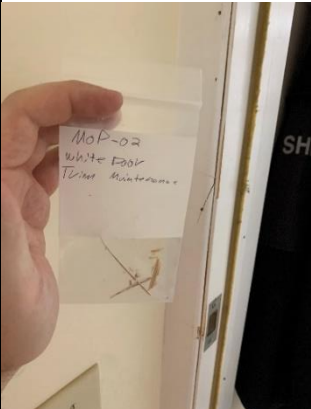
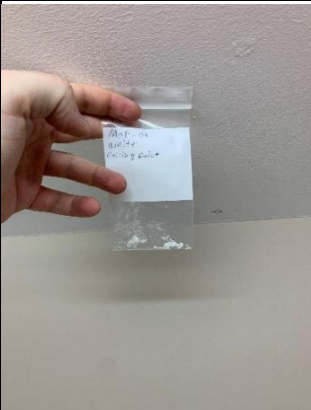
Based on the assessment findings, six (6) of the paint layers from the Court House & Jail building exceeded CEPA guidelines of 0.06 percent by weight for surface coating materials. None of the samples from the Maintenance & Sheriff's office building exceeded CEPA guidelines. Exceedances are noted in bold red in table below.

Laboratory analysis certificate is presented in Appendix II.

Sample No.:	Colour / Substrate Description	Location	Lead Content (%)	Photo
Court House & Jail				
PCCP-01	Grey paint / Wall surface	Boiler room	0.19	
PCCP -02	Blue paint / Door trim	Basement	< 0.018	

PCCP -03	Cream paint / Wall surface	Basement	0.70	
PCCP -04	White cream with green paint / Wall surface	Basement	1.1	
PCCP -05	White paint / Door trim	1 st level	0.051	
PCCP -06	Light brown paint / Wall surface	1 st level	<0.0064	

PCCP -07	White paint / Trim	Room 202	0.055	
PCCP -08	Tan paint / Wall surface	Room 203	3.8	
PCCP -09	Brown paint / Wood bench	Room 212	6.4	
PCCP -10	Grey paint / Trim	Exterior	1.1	

Maintenance & Sheriff's office				
MOP-01	Cream color paint / Wall surface	Maintenance office	<0.0097	
MOP-02	White paint / Door trim	Maintenance office	<0.0077	
MOP-03	Brown paint / Wall surfaces	Sheriff's office	<0.0077	NA
MOP-04	White paint / Ceiling	offices	<0.0078	
MOP-05	White paint / Wall surface	Boiler room	<0.016	NA

4.3 POLYCHLORINATED BIPHENYLS (PCB's)

Limited fluorescent light fixtures were observed and reported in the Court house building. Ceiling space had limited access due to height restrictions on the main floor, so these ballasts were not checked. Most lights were noted as incandescent bulbs.

Typical ballasts found and reported in the Maintenance and Sheriff's building are noted below in section 4.3.1. Manufacturer's labels were marked as non-PCB containing.

4.3.1 Lighting Lamp Ballasts

Maintenance and Sheriff's Office

Photo 1 – Typical ballasts noted as Triad Lamp Ballasts. Manufacturers label marked as No PCB's.



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:

Court House & Jail

- Concrete block / poured concrete (basement)
- Masonry and mortar
- Plaster

Maintenance & Sheriff's office

- Concrete block / poured concrete (basement)
- Masonry and mortar

4.5 MERCURY

4.5.1 Lighting

Mercury vapour is present in fluorescent lamp tubes.

4.5.2 Mercury Containing Devices

No mercury containing thermostats ampules were reported.

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.

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 Prince County Courts Buildings			
Hazardous Materials	Description / Comments	Safe Handling Requirements	Disposal Requirements
ASBESTOS	Court House & Jail Asbestos containing plasters (white scratch coat & brown base coat).	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
LEAD PAINT	Court House & Jail <ul style="list-style-type: none">- Grey wall paint (Basement)- Cream wall paint (Basement)- White / green wall paint (Basement)- Tan wall paint (2nd floor)- Brown paint on wooden benches- Grey exterior stair trim paint	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.
SILICA	Presumed in the following building components: <ul style="list-style-type: none">• Poured or pre-cast concrete (basement)	Trained personnel in the safe handling of silica dust and all other pertinent sections of the	Regulatory approval from PEIELJ

	<ul style="list-style-type: none"> • Masonry and mortar • Plaster 	<i>Occupational Health and Safety Act R.S.P.E.I</i>	
MERCURY	fluorescent lamp tubes	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.

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

Courthouse & Jail

CERTIFICATE OF ANALYSIS

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

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543477
Client No.: PCC-01

Analyst Observation: Grey Insulation
Client Description: Pipe Elbow Parging
Percent Non-Asbestos Fibrous Material:
25 Cellulose
45 Mineral Wool

Location: Boiler Room
Facility:
Percent Non-Fibrous Material:
30

Percent Asbestos:
None Detected

Lab No.: 7543478
Client No.: PCC-02

Analyst Observation: Grey Insulation
Client Description: Pipe Elbow Parging
Percent Non-Asbestos Fibrous Material:
25 Cellulose
45 Mineral Wool

Location: Boiler Room
Facility:
Percent Non-Fibrous Material:
30

Percent Asbestos:
None Detected

Lab No.: 7543479
Client No.: PCC-03

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Percent Non-Asbestos Fibrous Material:
None Detected

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

Percent Asbestos:
None Detected

Lab No.: 7543480
Client No.: PCC-04

Analyst Observation: Brown Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Percent Non-Asbestos Fibrous Material:
60 Cellulose

Location: Room 022
Facility:
Percent Non-Fibrous Material:
40

Percent Asbestos:
None Detected

Lab No.: 7543480(L2)
Client No.: PCC-04

Analyst Observation: Tan Mastic
Client Description: Vinyl Sheet Flooring
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 022
Facility:
Percent Non-Fibrous Material:
100

Percent Asbestos:
None Detected


Lab No.: 7543481
Client No.: PCC-05

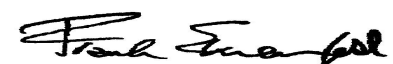
Analyst Observation: White Plaster
Client Description: Wall Plaster
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 022
Facility:
Percent Non-Fibrous Material:
100

Percent Asbestos:
None Detected

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543481(L2)	Analyst Observation: Brown Plaster	Location: Room 022
Client No.: PCC-05	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	1 Hair	99

Lab No.: 7543482	Analyst Observation: Grey Floor Tile	Location: R-002b
Client No.: PCC-06	Client Description: 12x12 Grey Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 7543482(L2)	Analyst Observation: Tan Mastic	Location: R-002b
Client No.: PCC-06	Client Description: 12x12 Grey Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

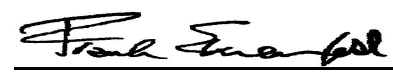
Lab No.: 7543483	Analyst Observation: White Plaster	Location: Boiler Room
Client No.: PCC-07	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543483(L2)	Analyst Observation: Brown Plaster	Location: Boiler Room
Client No.: PCC-07	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	Trace Hair	100

Lab No.: 7543484	Analyst Observation: Grey Floor Tile	Location: Basement Kitchen
Client No.: PCC-08	Client Description: 12x12 Grey Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543484(L2)	Analyst Observation: Black Mastic	Location: Basement Kitchen
Client No.: PCC-08	Client Description: 12x12 Grey Floor Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543485	Analyst Observation: White/Brown Drywall	Location: Basement Closet
Client No.: PCC-09	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	15 Cellulose 2 Fibrous Glass	83


Lab No.: 7543485(L2)	Analyst Observation: White Joint Compound	Location: Basement Closet
Client No.: PCC-09	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

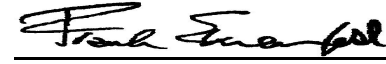
Lab No.: 7543486	Analyst Observation: White Texture/Plaster	Location: Stairs to Basement
Client No.: PCC-10	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543486(L2)	Analyst Observation: Brown Plaster	Location: Stairs to Basement
Client No.: PCC-10	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	1 Hair	99

Lab No.: 7543487	Analyst Observation: White Joint Compound	Location: Back Entry
Client No.: PCC-11	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131


Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

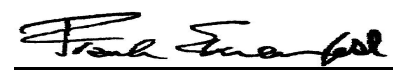
PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543488 Client No.: PCC-12	Analyst Observation: Grey Plaster Client Description: 24x48 Fissure Ceiling Tile	Location: Room 0.5 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Hair	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7543489 Client No.: PCC-13	Analyst Observation: White/Tan Ceiling Tile Client Description: Drywall Joint Compound	Location: 1st Level Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 65 Cellulose 15 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 7543490 Client No.: PCC-14	Analyst Observation: White Joint Compound Client Description: Vinyl Sheet Flooring	Location: Room 113 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7543491 Client No.: PCC-15	Analyst Observation: Grey/Brown Vinyl Sheet Flooring Client Description: Drywall Joint Compound	Location: 1st Level Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 65 Cellulose	<u>Percent Non-Fibrous Material:</u> 35
Note: No mastic present		
Lab No.: 7543492 Client No.: PCC-16	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: 1st Level Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7543493 Client No.: PCC-17	Analyst Observation: Grey Plaster Client Description: Drywall Joint Compound	Location: 1st Level Room 107 Facility:
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 2 Hair	<u>Percent Non-Fibrous Material:</u> 98

Different Material analyzed than listed on the sample log.

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543494	Analyst Observation: White Joint Compound	Location: 1st Level Room 102
Client No.: PCC-18	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543495	Analyst Observation: White Joint Compound	Location: Room 212a
Client No.: PCC-19	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 7543496	Analyst Observation: White Joint Compound	Location: Room 212a
Client No.: PCC-20	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

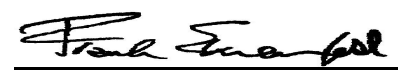
Lab No.: 7543497	Analyst Observation: White Texture/Plaster	Location: Room 212a
Client No.: PCC-21	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 2.5 Chrysotile</i>	None Detected	97.5

Lab No.: 7543497(L2)	Analyst Observation: Brown Plaster	Location: Room 212a
Client No.: PCC-21	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 0.25 Chrysotile</i>	2 Hair	97.75

Lab No.: 7543498	Analyst Observation: White Texture/Plaster	Location: Room 212a
Client No.: PCC-22	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 2.3 Chrysotile</i>	None Detected	97.7

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543498(L2)	Analyst Observation: Brown Plaster	Location: Room 212a
Client No.: PCC-22	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
PC 0.25 Chrysotile	2 Hair	97.75

Lab No.: 7543499	Analyst Observation: White/Brown Ceiling Tile	Location: R-201a
Client No.: PCC-23	Client Description: 12x12 Ceiling Tile	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	90 Cellulose	10


Lab No.: 7543500	Analyst Observation: White Plaster	Location: Room 209
Client No.: PCC-24	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	None Detected	100

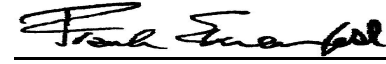
Lab No.: 7543500(L2)	Analyst Observation: Brown Plaster	Location: Room 209
Client No.: PCC-24	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
PC 0.75 Chrysotile	2 Hair	97.25

Lab No.: 7543500(L3)	Analyst Observation: White/Brown Fibrous	Location: Room 209
Client No.: PCC-24	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	60 Cellulose	40

Lab No.: 7543501	Analyst Observation: Tan/Brown Vinyl Sheet Flooring	Location: R-207
Client No.: PCC-25	Client Description: Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
None Detected	20 Cellulose	80

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543501(L2)	Analyst Observation: Yellow Mastic	Location: R-207
Client No.: PCC-25	Client Description: Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543502	Analyst Observation: White Joint Compound	Location: R-211
Client No.: PCC-26	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 7543503	Analyst Observation: White Plaster	Location: Room 202
Client No.: PCC-27	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

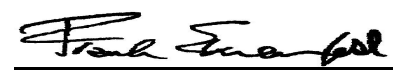
Lab No.: 7543503(L2)	Analyst Observation: Brown Plaster	Location: Room 202
Client No.: PCC-27	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 1.1 Chrysotile</i>	2 Hair	96.9

Lab No.: 7543504	Analyst Observation: White Joint Compound	Location: 2nd Lobby R-204
Client No.: PCC-28	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543505	Analyst Observation: White Plaster	Location: Attic Entry
Client No.: PCC-29	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC Trace Chrysotile</i>	None Detected	100

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543505(L2)
Client No.: PCC-29

Percent Asbestos:
PC 0.5 Chrysotile

Analyst Observation: Brown Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
2 Hair

Location: Attic Entry
Facility:

Percent Non-Fibrous Material:
97.5

Lab No.: 7543506
Client No.: PCC-30

Percent Asbestos:
None Detected

Analyst Observation: Off-White Texture
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 308a
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 7543506(L2)
Client No.: PCC-30

Percent Asbestos:
None Detected

Analyst Observation: White Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
None Detected

Location: Room 308a
Facility:

Percent Non-Fibrous Material:
100

Lab No.: 7543506(L3)
Client No.: PCC-30

Percent Asbestos:
PC 0.5 Chrysotile

Analyst Observation: Brown Plaster
Client Description: Wall Plaster

Percent Non-Asbestos Fibrous Material:
2 Hair

Location: Room 308a
Facility:

Percent Non-Fibrous Material:
97.5

Lab No.: 7543507
Client No.: PCC-31

Percent Asbestos:
None Detected

Analyst Observation: White Plaster
Client Description: Drywall Joint Compound

Percent Non-Asbestos Fibrous Material:
None Detected

Location: R-311
Facility:

Percent Non-Fibrous Material:
100

Different Material analyzed than listed on the sample log.

Lab No.: 7543507(L2)
Client No.: PCC-31

Percent Asbestos:
None Detected

Analyst Observation: Grey Plaster
Client Description: Drywall Joint Compound


Percent Non-Asbestos Fibrous Material:
None Detected

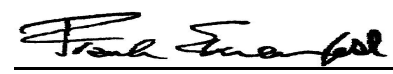
Location: R-311
Facility:

Percent Non-Fibrous Material:
100

Different Material analyzed than listed on the sample log.

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543508	Analyst Observation: White Plaster	Location: R-311
Client No.: PCC-32	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Different Material analyzed than listed on the sample log.

Lab No.: 7543508(L2)	Analyst Observation: Grey Plaster	Location: R-311
Client No.: PCC-32	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Different Material analyzed than listed on the sample log.


Lab No.: 7543509	Analyst Observation: White Joint Compound	Location: R-310
Client No.: PCC-33	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

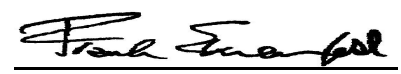
Lab No.: 7543510	Analyst Observation: Off-White Texture/Plaster	Location: Room 311a
Client No.: PCC-34	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543510(L2)	Analyst Observation: White Plaster	Location: Room 311a
Client No.: PCC-34	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543510(L3)	Analyst Observation: Brown Plaster	Location: Room 311a
Client No.: PCC-34	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
PC 0.25 Chrysotile	2 Hair	97.75

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

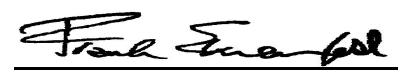
Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543511 Client No.: PCC-35	Analyst Observation: White Plaster Client Description: Wall Plaster	Location: Room 311 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7543511(L2) Client No.: PCC-35	Analyst Observation: Brown Plaster Client Description: Wall Plaster	Location: Room 311 Facility:
<u>Percent Asbestos:</u> <i>PC Trace Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Hair	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 7543512 Client No.: PCC-36	Analyst Observation: Beige/Grey Vinyl Sheet Flooring Client Description: Vinyl Sheet Flooring	Location: R-310 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose 5 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 80
Lab No.: 7543512(L2) Client No.: PCC-36	Analyst Observation: Yellow Mastic Client Description: Vinyl Sheet Flooring	Location: R-310 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 7543513 Client No.: PCC-37	Analyst Observation: White/Brown Ceiling Tile Client Description: Ceiling Tile	Location: R-312 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 95 Cellulose	<u>Percent Non-Fibrous Material:</u> 5
Lab No.: 7543514 Client No.: PCC-38	Analyst Observation: White Joint Compound Client Description: Drywall Joint Compound	Location: R-313 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543515	Analyst Observation: White Plaster	Location: Room 103
Client No.: PCC-39	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543515(L2)	Analyst Observation: Brown Plaster	Location: Room 103
Client No.: PCC-39	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 0.5 Chrysotile</i>	2 Hair	97.5


Lab No.: 7543516	Analyst Observation: White Plaster	Location: 1st Floor
Client No.: PCC-40	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

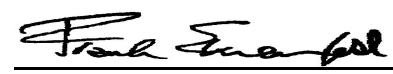
Lab No.: 7543516(L2)	Analyst Observation: Brown Plaster	Location: 1st Floor
Client No.: PCC-40	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 0.5 Chrysotile</i>	2 Hair	97.5

Lab No.: 7543517	Analyst Observation: Off-White Texture/Plaster	Location: 1st Floor
Client No.: PCC-41	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543517(L2)	Analyst Observation: White Tape	Location: 1st Floor
Client No.: PCC-41	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	100 Cellulose	None Detected

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543517(L3)
Client No.: PCC-41

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: 1st Floor
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543517(L4)
Client No.: PCC-41

Analyst Observation: Brown Plaster
Client Description: Wall Plaster

Location: 1st Floor
Facility:

Percent Asbestos:
PC 0.75 Chrysotile

Percent Non-Asbestos Fibrous Material:
2 Hair

Percent Non-Fibrous Material:
97.25

Lab No.: 7543518
Client No.: PCC-42

Analyst Observation: Brown Tape
Client Description: Wall Plaster

Location: R104a
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Percent Non-Fibrous Material:
None Detected

Lab No.: 7543518(L2)
Client No.: PCC-42

Analyst Observation: White Plaster
Client Description: Wall Plaster

Location: R104a
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543518(L3)
Client No.: PCC-42

Analyst Observation: Brown Plaster
Client Description: Wall Plaster

Location: R104a
Facility:

Percent Asbestos:
PC 0.25 Chrysotile

Percent Non-Asbestos Fibrous Material:
2 Hair

Percent Non-Fibrous Material:
97.75

Lab No.: 7543519
Client No.: PCC-43

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


Location: R-101
Facility:

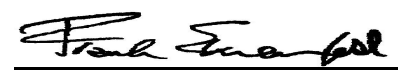
Percent Asbestos:
None Detected

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: 12/20/2022
Date Analyzed: 12/26/2022
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: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543520	Analyst Observation: Green/Tan Vinyl Sheet Flooring	Location: R-122
Client No.: PCC-44	Client Description: Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	15 Cellulose	85

Lab No.: 7543520(L2)	Analyst Observation: Yellow Mastic	Location: R-122
Client No.: PCC-44	Client Description: Vinyl Sheet Flooring	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 7543521	Analyst Observation: White Joint Compound	Location: Corridor Outside R-115
Client No.: PCC-45	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

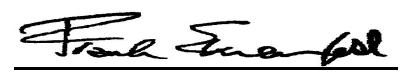
Lab No.: 7543522	Analyst Observation: White Plaster	Location: Entrance
Client No.: PCC-46	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 7543522(L2)	Analyst Observation: Brown Plaster	Location: Entrance
Client No.: PCC-46	Client Description: Wall Plaster	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC Trace Chrysotile</i>	2 Hair	98

Lab No.: 7543523	Analyst Observation: White Joint Compound	Location: Main Entrance
Client No.: PCC-47	Client Description: Drywall Joint Compound	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543524
Client No.: PCC-48

Analyst Observation: White/Brown Ceiling Tile
Client Description: 12x12 Ceiling Tile


Location: OS/R-121
Facility:

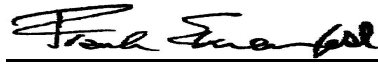
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
95 Cellulose

Percent Non-Fibrous Material:
5

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

Date Received: 12/20/2022
Date Analyzed: 12/26/2022
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
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

Client: ALL131

Report Date: 12/26/2022
Report No.: 675011 - PLM
Project: Prince County Courthouse Summerside
Project No.: PE22400

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 gangue, 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/1198_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

<p>Client: ALL-TECH Environmental Services Limited 20 Duke St., Suite 109 Bedford NS B4A 2Z5</p> <p>Client: ALL131</p>	<p>Report Date: 12/26/2022</p> <p>Report No.: 675011 - PLM</p> <p>Project: Prince County Courthouse Summerside</p> <p>Project No.: PE22400</p>
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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.

Maintenance & Sheriff Offices

CERTIFICATE OF ANALYSIS

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

Report Date: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance Office
Project No.: PE23005

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7550947
Client No.: MO 01

Percent Asbestos:
None Detected

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

Location: Maintenance Office Bathroom
Facility:
Percent Non-Fibrous Material:
100

Lab No.: 7550947(L2)
Client No.: MO 01

Percent Asbestos:
None Detected

Analyst Observation: Black Mastic
Client Description: 12x12 Grey Floor Tile
Percent Non-Asbestos Fibrous Material:
1 Cellulose

Location: Maintenance Office Bathroom
Facility:
Percent Non-Fibrous Material:
99

Lab No.: 7550948
Client No.: MO 02

Percent Asbestos:
None Detected

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Percent Non-Asbestos Fibrous Material:
None Detected

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

Note: No drywall present.

Lab No.: 7550949
Client No.: MO 03

Percent Asbestos:
None Detected

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

Location: Sheriff's Office Bathroom
Facility:
Percent Non-Fibrous Material:
100

Lab No.: 7550949(L2)
Client No.: MO 03

Percent Asbestos:
None Detected

Analyst Observation: Black Mastic
Client Description: 12x12 Grey Floor Tile
Percent Non-Asbestos Fibrous Material:
1 Cellulose

Location: Sheriff's Office Bathroom
Facility:
Percent Non-Fibrous Material:
99

Lab No.: 7550950
Client No.: MO 04


Percent Asbestos:
None Detected

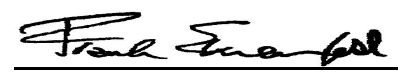
Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Percent Non-Asbestos Fibrous Material:
None Detected

Location: Maintenance Office Front Door
Facility:
Percent Non-Fibrous Material:
100

Note: No drywall present.

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
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: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance Office
Project No.: PE23005

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7550951
Client No.: MO 05

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

Location: Maintenance Office
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7550952
Client No.: MO 06

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

Location: Sheriff's Office Under Desk
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7550953
Client No.: MO 07

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

Location: Sheriff's Office Front Desk
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7550954
Client No.: MO 08

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

Location: Sheriff's Office Ceiling
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7550955
Client No.: MO 09

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

Location: Sheriff's Office Front Door
Facility:


Percent Asbestos:
None Detected

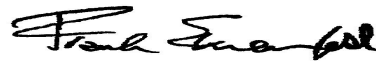
Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

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

Date Received: 1/9/2023
Date Analyzed: 01/16/2023
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: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance
Office
Project No.: PE23005

Client: ALL131

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7550956

Client No.: MO 10

Percent Asbestos:

None Detected

Analyst Observation: White Joint Compound

Client Description: Drywall Joint Compound

Percent Non-Asbestos Fibrous Material:

None Detected

Location: Locker Room

Facility:

Percent Non-Fibrous Material:

100

Note: No drywall present.

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

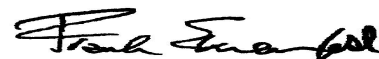
Date Received: 1/9/2023

Date Analyzed: 01/16/2023

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: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance Office
Project No.: PE23005

Client: ALL131

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.

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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: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance Office
Project No.: PE23005

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 gänge, 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/1198_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
20 Duke St., Suite 109
Bedford NS B4A 2Z5

Report Date: 1/16/2023
Report No.: 675959 - PLM
Project: Prince County Sheriff Office/Maintenance Office
Project No.: PE23005

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

Courthouse & Jail

CERTIFICATE OF ANALYSIS

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

Client: ALL131

Report Date: 12/28/2022
Report No.: 675002 - Lead Paint
Project: Prince County Courthouse Summerside
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7543389	Description: Grey Paint	Result (% by Weight): 0.19
Client No.: PCCP-01	Location: Boiler Rm	Result (ppm): 1900
		Comments:

Lab No.: 7543390	Description: Blue Door Trim Paint	Result (% by Weight): <0.018
Client No.: PCCP-02	Location: Basement	Result (ppm): <180
		Comments: *

Lab No.: 7543391	Description: Cream Paint	Result (% by Weight): 0.70
Client No.: PCCP-03	Location: Basement	Result (ppm): 7000
		Comments:

Lab No.: 7543392	Description: White Cream Green Paint	Result (% by Weight): 1.1
Client No.: PCCP-04	Location: Basement	Result (ppm): 11000
		Comments:

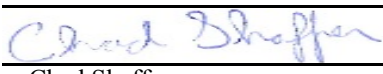
Lab No.: 7543393	Description: White Door Trim Paint	Result (% by Weight): 0.051
Client No.: PCCP-05	Location: 1st Level	Result (ppm): 510
		Comments:


Lab No.: 7543394	Description: Lt Brown Paint	Result (% by Weight): <0.0064
Client No.: PCCP-06	Location: 1st Level	Result (ppm): <64
		Comments: ***

Lab No.: 7543395	Description: White Paint	Result (% by Weight): 0.055
Client No.: PCCP-07	Location: R-202a	Result (ppm): 550
		Comments:

Lab No.: 7543396	Description: Tan Paint	Result (% by Weight): 3.8
Client No.: PCCP-08	Location: R-202a	Result (ppm): 38000
		Comments: ***

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

Date Received: 12/20/2022
Date Analyzed: 12/28/2022
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

Report Date: 12/28/2022
Report No.: 675002 - Lead Paint
Project: Prince County Courthouse Summerside
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7543397
Client No.: PCCP-09

Description: Brown Paint
Location: Bench

Result (% by Weight): 6.4
Result (ppm): 64000
Comments: * * * *

Lab No.: 7543398
Client No.: PCCP-10

Description: Grey Paint
Location: Exterior

Result (% by Weight): 1.1
Result (ppm): 11000
Comments:

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

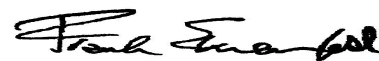
Date Received: 12/20/2022

Date Analyzed: 12/28/2022

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: 12/28/2022
Report No.: 675002 - Lead Paint
Project: Prince County Courthouse Summerside
Project No.: PE22400

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.

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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: 12/28/2022
Report No.: 675002 - Lead Paint
Project: Prince County Courthouse Summerside
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).

Maintenance & Sheriff Offices

CERTIFICATE OF ANALYSIS

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

Report Date: 1/13/2023
Report No.: 675941 - Lead Paint
Project: Prince County Sheriff's Office and
Maintenance
Project No.: PE22400

Client: ALL131

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7550545	Description:	Result (% by Weight): <0.0097
Client No.: MOP-01	Location: Maintenance Office - Cream Color Paint	Result (ppm): <97
		Comments:


Lab No.: 7550546	Description:	Result (% by Weight): <0.0077
Client No.: MOP-02	Location: Maintenance - White Door Trim Paint	Result (ppm): <77
		Comments: ***

Lab No.: 7550547	Description:	Result (% by Weight): <0.0077
Client No.: MOP-03	Location: Sheriff's Office Walls - Brown Paint	Result (ppm): <77
		Comments:


Lab No.: 7550548	Description:	Result (% by Weight): <0.0078
Client No.: MOP-04	Location: White Ceiling Paint	Result (ppm): <78
		Comments:

Lab No.: 7550549	Description:	Result (% by Weight): <0.016
Client No.: MOP-05	Location: Boiler Room Wall	Result (ppm): <160
		Comments: *

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

Date Received: 1/9/2023
Date Analyzed: 01/13/2023
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

Report Date: 1/13/2023
Report No.: 675941 - Lead Paint
Project: Prince County Sheriff's Office and
Maintenance
Project No.: PE22400

Client: ALL131

Appendix to Analytical Report:

Customer Contact:

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

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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

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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: 1/13/2023
Report No.: 675941 - Lead Paint
Project: Prince County Sheriff's Office and
Maintenance
Project No.: PE22400

Client: ALL131

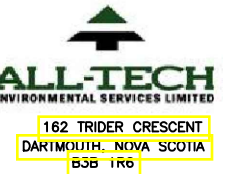
* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< 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



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 DETECTED
- = SAMPLE NUMBER NO LEAD DETECTED

PE22400
PRINCE COUNTY
COURTHOUSE
108 CENTRAL ST
SUMMERSIDE, PEI

Drawing

Design

PRINCE COUNTY
COURTHOUSE
BASEMENT FLOOR

Design: LK

Date: FEB_2023

Drawn: AJH

Date: MAR_2023

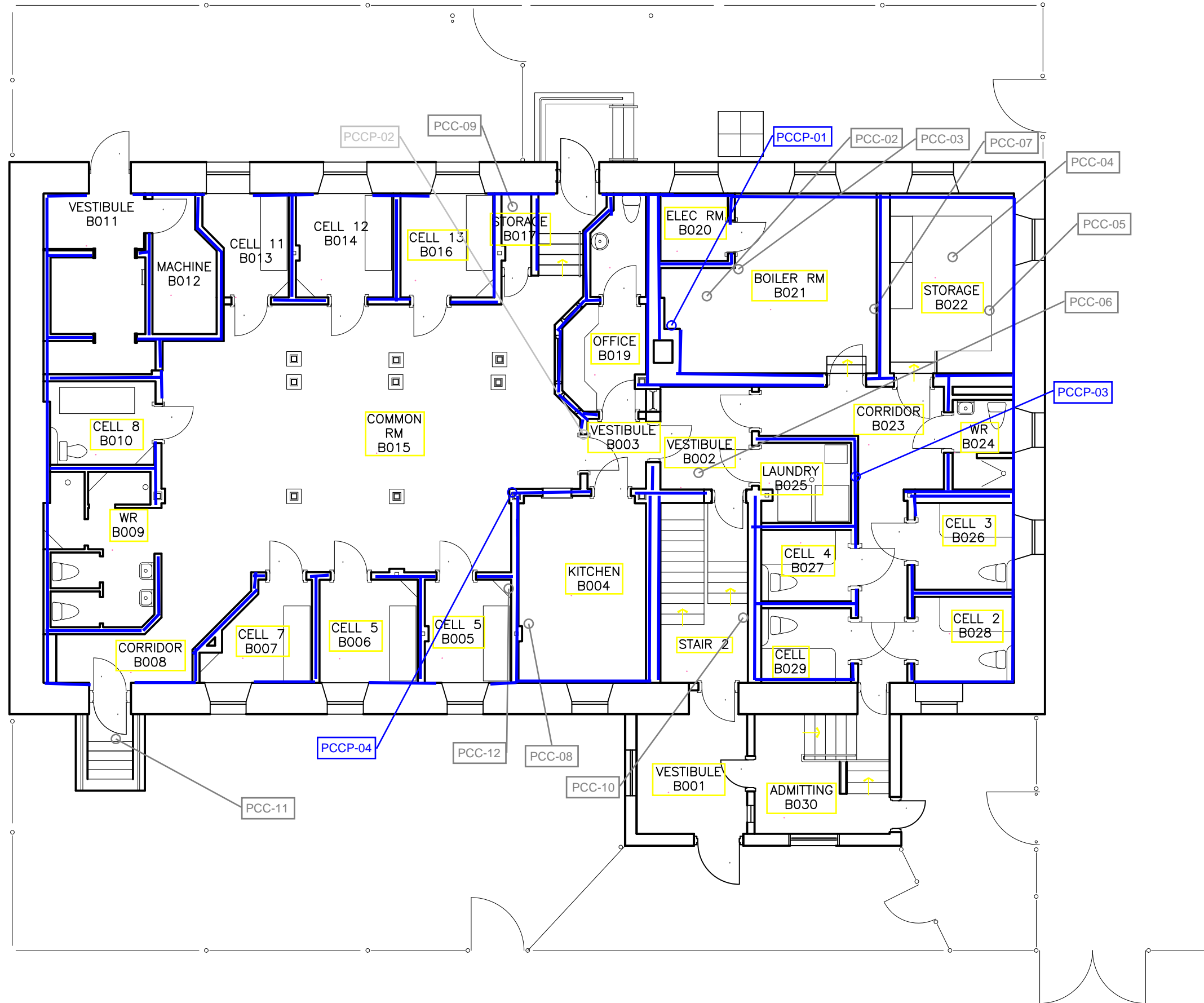
NOTE:
THIS DRAWING SHOULD BE USED
FOR REFERENCE PURPOSES ONLY
REFER TO THE ASBESTOS AND
LEAD SURVEYS FOR THE ROOM BY
ROOM DATE FOR SPECIFIC DETAILS

Scale: 1 OF 4

Scale: NOT TO SCALE

Revisions
















Date



ASBESTOS SURVEY BY



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 DETECTED |
|  | = SAMPLE NUMBER
NO LEAD DETECTED |

PE22400
PRINCE COUNTY
COURTHOUSE
108 CENTRAL ST
SUMMERSIDE, PEI

Drawing

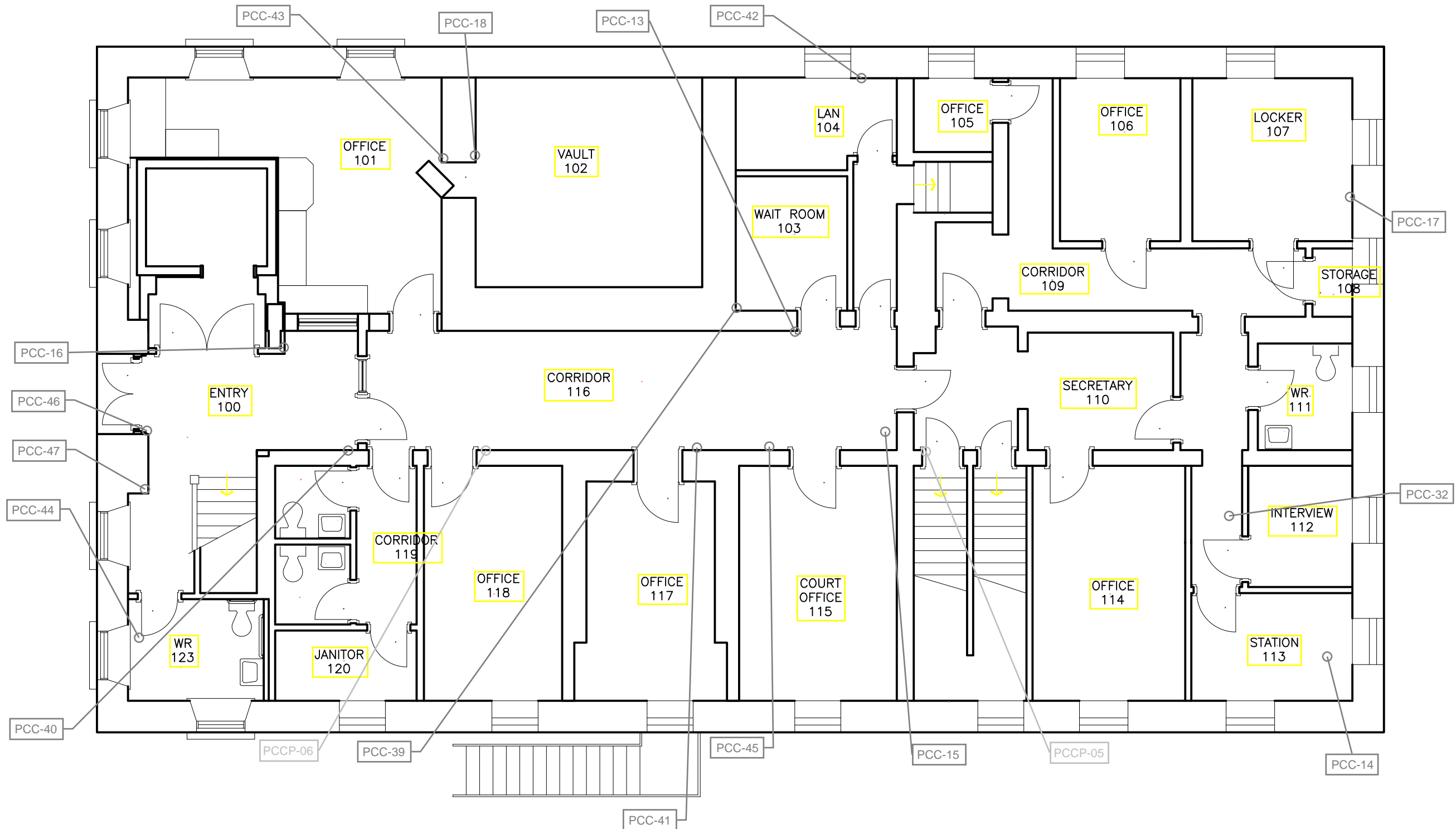
PRINCE COUNTY
COURTHOUSE
1ST FLOOR

desain

Designed	JK	concu
Date	FEB_2023	
Drawn	AJH	desine
Date	MAR_2023	

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

Scale	2 OF 4
Scale	NOT TO SCALE
Revisions	Date

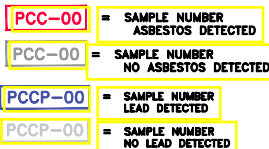
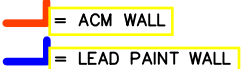
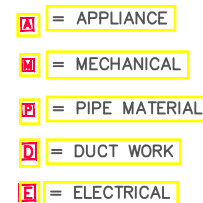
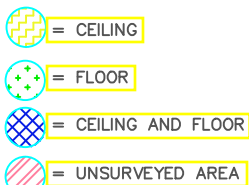


ASBESTOS SURVEY BY



162 TRIDER CRESCENT
DARTMOUTH, NOVA SCOTIA
B3B 1R6

ASBESTOS LEGEND



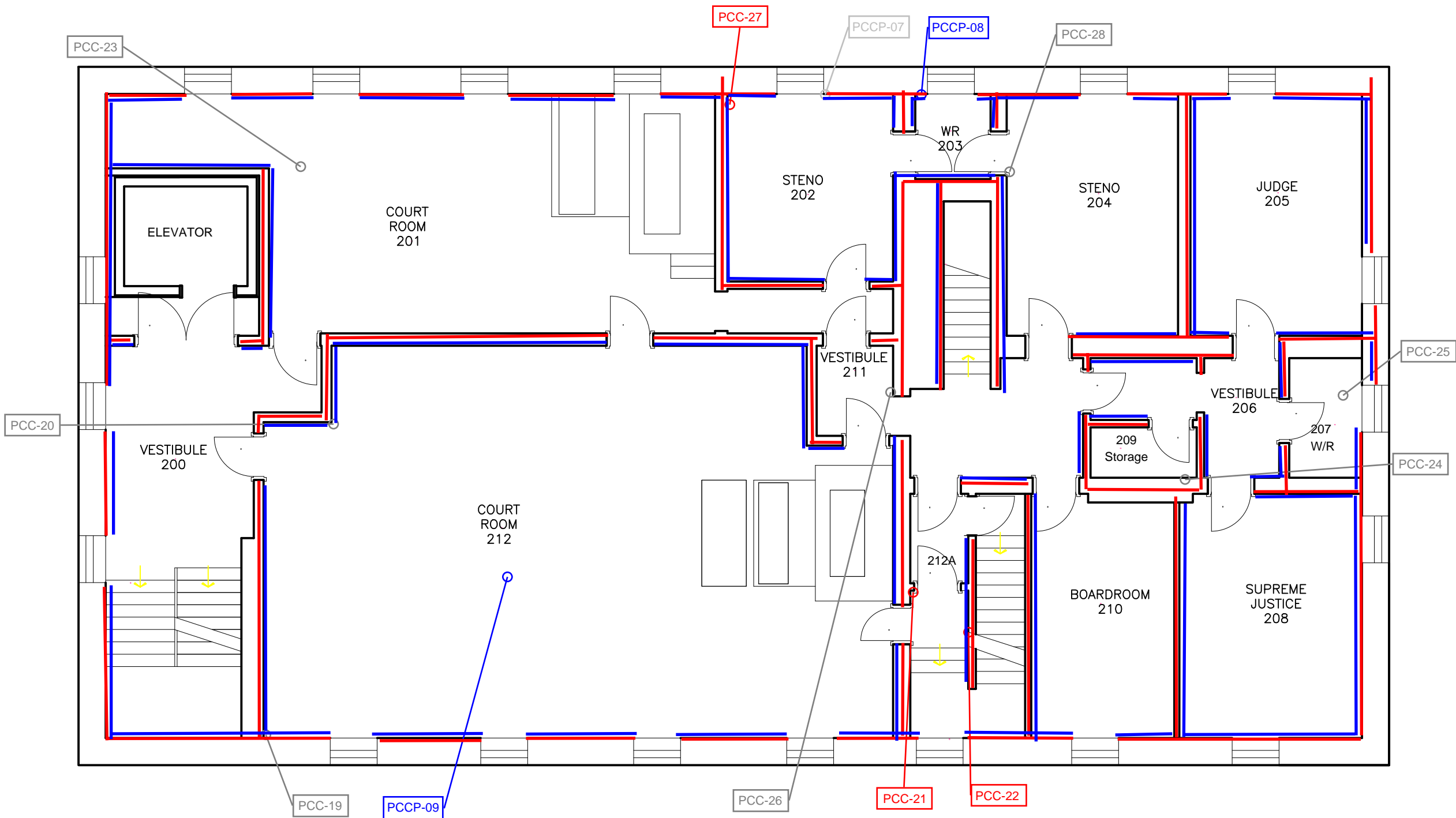
PE22400
PRINCE COUNTY
COURTHOUSE
108 CENTRAL ST
SUMMERSIDE, PEI

PRINCE COUNTY
COURTHOUSE
2ND FLOOR

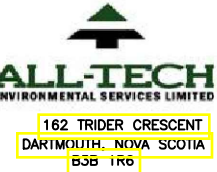
Design: LK
Date: FEB_2023
Drawn: AJH
Date: MAR_2023

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

Scale: 3 OF 4
Scale: NOT TO SCALE
Revisions: Date



ASBESTOS SURVEY BY



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 DETECTED
- = SAMPLE NUMBER
NO LEAD DETECTED

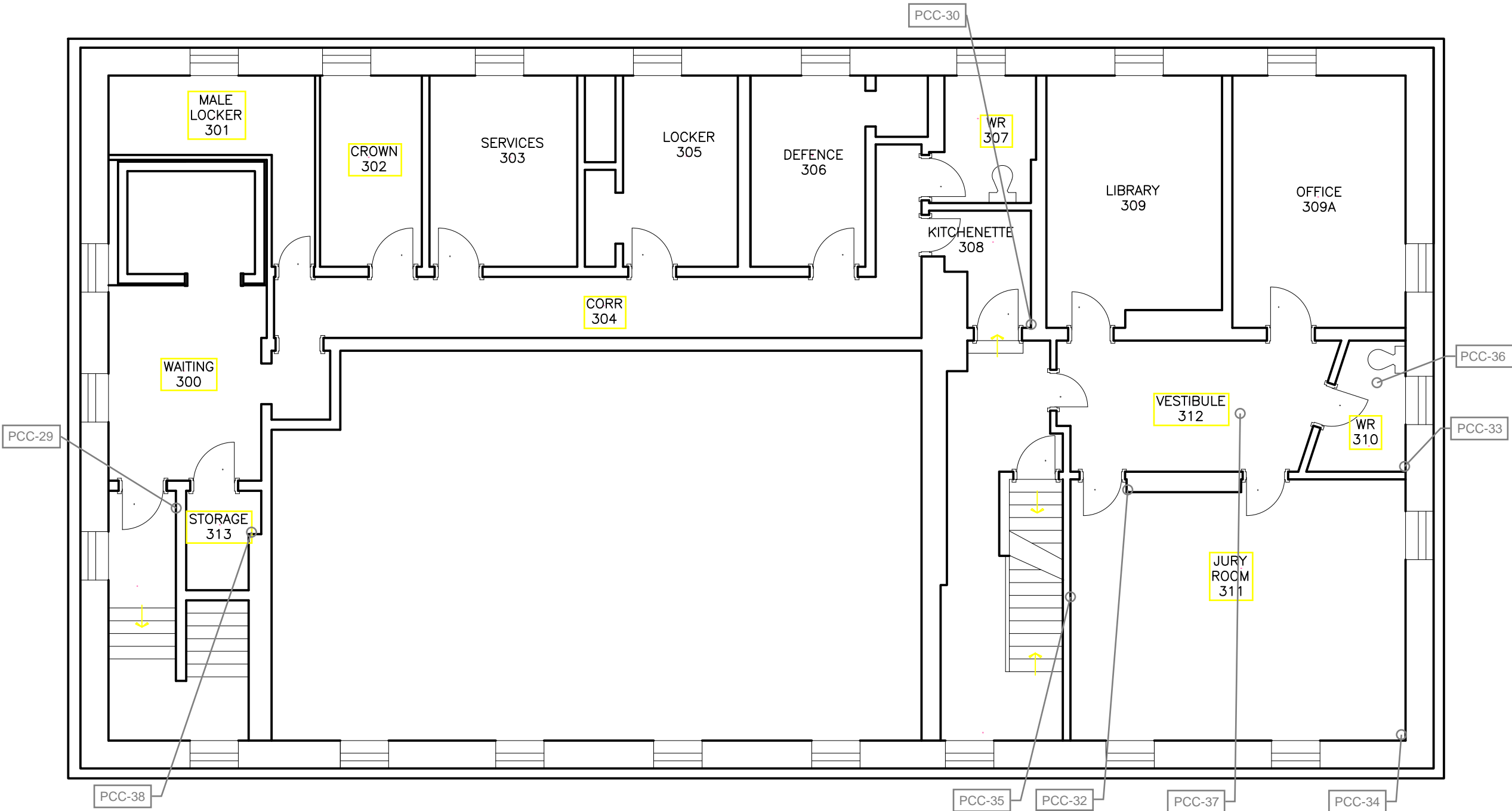
PE22400
PRINCE COUNTY
COURTHOUSE
108 CENTRAL ST
SUMMERSIDE, PEI

PRINCE COUNTY
COURTHOUSE
3RD FLOOR

Design: 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 BY
ROOM DATE FOR SPECIFIC DETAILS

Scale: 4 OF 4
Scale: NOT TO SCALE
Revisions: Date:



APPENDIX IV

Summary of ACM conditions report

Prince County Court House & Jail (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
200	Vestibule	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
201	Supreme court room	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
202	Steno	PCC-27	Wall plaster (brown base coat)	Chrysotile 1.1%	--	F	A	good	5	
203	Washroom	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
204	Steno	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
205	Judge	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
206	Vestibule	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
207	Washroom	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
208	Supreme Justice	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
209	Storage	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
210	Boardroom	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
211	Vestibule	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
212	Court room	VPCC-21; VPCC27	Wall plaster (white scratch coat / brown base coat)	Chrysotile 1.1 - 2.5%	--	F	A	good	5	
212A	Vestibule	PCC-21; PCC-22	Wall plaster (white scratch coat)	Chrysotile 2.3 - 2.5%	--	F	A	good	5	

**** All plaster wall and ceiling areas on this floor to be treated as asbestos containing material****

LEGEND**Sample Number Identifiers**

PCC-##	actual sample number
VPCC-##	visually identified same as this sample number

Units

EA	Each
m	meters
m2	square metres
m3	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



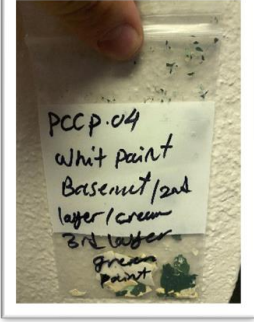
1	Immediate Clean-up of Debris that is likely to be disturbed.	4	ACM repair
2	ACM Removal required for compliance.	5	Continued management and surveillance.
3	Proactive ACM Removal.		

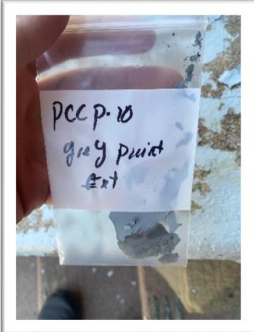
APPENDIX V

Summary of other Hazardous Materials report

Prince County Court House & Jail (Basement) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
B-021	Boiler room	PCCP-01	Grey paint / Wall surface	0.19	All like painted wall surfaces to be treated as lead based paints	
B-023	Corridor	PCCP-03	Cream colour paint / Wall surface	0.7	All like painted wall surfaces to be treated as lead based paints	
B-015	Common room	PCCP-04	White with green paint / Wall surface	1.1	All like painted wall surfaces to be treated as lead based paints	

NA	Exterior	PCCP-10	Grey paint / Exterior concrete stairs	1.1	Painted surface on exterior stairway	
Silica						
Room No.	Location	Sample No.	Material	Comments		Photo
NA	Basement	NA	Plaster; Concrete floor			
NA	Exterior	NA	Exterior bricks, stone and mortar			

Prince County Court House & Jail (1st floor) - Summary of Hazardous Materials Report (2022)

Lead Paint



Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
		PCCP-08	Tan colour paint / Wall surface	3.8	All like painted wall surfaces to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters		

Prince County Court House & Jail (2nd floor) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
203	Washroom	PCCP-08	Tan colour paint / Wall surface	3.8	All like painted wall surfaces to be treated as lead based paints	
212	Courtroom 212	PCCP-09	Brown paint / Wood benches	6.4	All like painted surfaces to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters		

Prince County Court House & Jail (3rd floor) - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
		PCCP-08	Tan colour paint / Wall surface	3.8	All like painted wall surfaces to be treated as lead based paints	

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	throughout	NA	Plasters		