



Hazardous Building Materials Assessment

NE 17-39-20-W3M Highway
374, Scott, Saskatchewan

Prepared for:

**Agriculture and Agri-Food
Canada**

300 2010 12th Avenue
Regina, SK S4P 0M3

Attention: Marvin Barth
Maintenance Technician and Facility Manager

October 31, 2017

Pinchin File: 211750.000



Issued to: Agriculture and Agri-Food Canada
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EXECUTIVE SUMMARY

Agriculture and Agri-Food Canada (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of the building located at NE 17-39-20-W3M Highway 374, Scott, Saskatchewan. Pinchin performed the assessment on October 10, 2017.

The objective of the assessment was to identify specified hazardous building materials in preparation for building demolition. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

The assessed area consisted of the entire building of both the old house and the pigeon shack.

SUMMARY OF FINDINGS

Asbestos: Asbestos-containing materials (ACM) are present as follows:

- Vermiculite in the house upstairs attic area (Loc. 9);
- White caulking around window edges on the exterior of the house (Loc. 1);
- Vinyl sheet flooring in the house kitchen (Loc. 3);
- Orange/red vinyl sheet flooring on the second floor of the house (Loc. 9); and
- Transite board on the walls and ceiling throughout the pigeon shack.

Lead: Lead is present as follows:

- Paints/surface coatings (or specific paint) on exterior structure and walls (Loc. 1) and locations 2, 3, and 10 in poor condition. Lead containing paint that was in good condition is also present in locations 2, 4-8, and 10.
- Cast iron pipe joints (bell and spigot)

Silica: Crystalline silica is present in concrete, mortar, brick, masonry, ceramics, grout, plaster, stone, asphalt, etc.

Mercury: Mercury vapour is present in fluorescent lamps and liquid mercury is present in thermostat ampules.

Polychlorinated Biphenyls (PCBs): Based on the date of construction, PCBs may be present in light ballasts.

Mould and Water Damage: Visible mould and water damage was observed on drywall ceiling location 2, on plaster ceiling and wood wall in location 6, plaster ceiling in location 8, and fibrous board ceiling in location 10.



SUMMARY OF RECOMMENDATIONS

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations.

1. Remove and properly dispose of asbestos-containing materials prior to demolition. OR Remove and dispose of asbestos-containing materials if disturbed by the planned renovation work.
2. Remove and properly dispose of PCB ballasts and mercury-containing items prior to demolition or if disturbed by the planned renovation work.
3. Follow appropriate safe work procedures when handling or disturbing lead, silica and mould.
4. Remediate the materials as described in Section 4.2.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



TABLE OF CONTENTS

1.0	INTRODUCTION AND SCOPE	1
1.1	Scope of Assessment.....	1
2.0	BACKGROUND INFORMATION	1
2.1	House Building Description	1
2.2	Existing Reports.....	2
3.0	FINDINGS	2
3.1	Asbestos	2
3.2	Lead.....	7
3.3	Silica	8
3.4	Mercury.....	8
3.5	Polychlorinated Biphenyls	9
3.6	Mould.....	9
4.0	RECOMMENDATIONS.....	10
4.1	General	10
4.2	Building Demolition Work	11
5.0	TERMS AND LIMITATIONS	12
6.0	REFERENCES.....	13

APPENDICES

APPENDIX I	Drawings
APPENDIX II-A	Asbestos Analytical Certificates
APPENDIX II-B	Lead Analytical Certificates
APPENDIX II-C	PCB Analytical Certificates
APPENDIX III	Methodology
APPENDIX IV	Location Summary Report
APPENDIX V	Hazardous Material Summary Report
APPENDIX VI	All Data Report



1.0 INTRODUCTION AND SCOPE

Agriculture and Agri-Food Canada (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of the building located at NE 17-39-20-W3M Highway 374, Scott, Saskatchewan.

Trent Pernitsky performed the assessment on October 10, 2017. The surveyor was unaccompanied during the assessment. The building was vacant at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building demolition. This assessment is intended to be used for pre-demolition purposes only, and may not provide sufficient detail for long term management of hazardous materials as required by Health and Safety regulations. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of specified hazardous building materials incorporated in the structure(s) and its finishes. The assessed area consisted of all parts of both the old house and pigeon shack.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould

2.0 BACKGROUND INFORMATION

2.1 House Building Description

Building Description Item	Details
Building Use	Abandoned Residence
Number of Floors/Levels	2 stories plus 1 below grade
Total Area of Building	Approximately 1200 square feet
Year of Construction	1933



Building Description Item	Details
Structure	Wood, concrete
Exterior Cladding	Wood
HVAC	Forced air furnace
Roof	Pitched and shingled
Flooring	Vinyl tile, vinyl sheet flooring, carpet, concrete
Interior Walls	Plaster on wood
Ceilings	Drywall with no joint compound, plaster, acoustic ceiling tiles, fibrous board.

2.2 Existing Reports

No existing reports were provided for reference.

3.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the hazardous materials identified and their locations. For details on quantities, assessment and locations of hazardous materials; refer to the Hazardous Material Summary Report and All Data Report in Appendix V and VI.

3.1 Asbestos

3.1.1 Suspect Building Materials Not Found

The following types of building materials may historically contain asbestos but were not observed in the building and are not discussed in the report findings:

- Spray-on fireproofing or thermal insulation
- Thermal systems insulation
- Drywall joint compound
- Firestopping

3.1.2 Texture Finishes (Acoustic/Decorative)

Texture finish present on plaster ceilings throughout the house does not contain asbestos (samples S0006A-E).

3.1.3 Thermal Systems Insulation (TSI)

3.1.3.1 Pipe Insulation

Pipes are uninsulated.

3.1.3.2 Duct Insulation

Ducts are uninsulated.

3.1.3.3 Mechanical Equipment Insulation

Mechanical equipment is uninsulated.

3.1.4 Vermiculite

Vermiculite, containing Libby amphibole asbestos, is present as insulation in the attic space (samples S0012A-C). Vermiculite is a friable material. Vermiculite debris, containing Libby amphibole asbestos, may be present in void spaces within wood framed walls and other void spaces however this was not observed during the assessment.



Photo 1. Vermiculite insulation between floor joists in the attic.

3.1.5 Acoustic Ceiling Tiles

One distinct type of acoustic ceiling tile was found, and was determined to not contain asbestos.

3.1.6 Plaster

Plaster throughout the house was found to not contain asbestos (samples S0003A-E).



Photo 2. Non-asbestos containing plaster that has fallen away from the wood lath.

3.1.7 Asbestos Cement Products (Transite)

Transite board, presumed to contain asbestos based on visual observation, is present as the walls and ceiling in the pigeon shack. Transite is non-friable and is in good condition.



Photo 3. Transite board used for the walls and ceilings of the pigeon shack.

3.1.8 Vinyl Sheet Flooring

Vinyl sheet flooring is present as follows:

Pattern, Colour and Photo Number	Paper Backing (Yes/No)	Locations (Quantity)	Sample Number	Asbestos Type
Beige	Yes	Entrance (Loc. 2), 100 ft ²	S0004	None

Pattern, Colour and Photo Number	Paper Backing (Yes/No)	Locations (Quantity)	Sample Number	Asbestos Type
				Detected
Multi layered, Photo 4	Yes	Kitchen (Loc. 3), 300 ft ²	S0005	Chrysotile
Orange/Red pattern, Photo 5	Yes	2 nd floor (Loc. 9), 250 ft ²	S0010	Chrysotile

The vinyl sheet flooring is non-friable but can become friable upon removal. Vinyl sheet flooring is in good condition.

The adhesive adhered to the flooring backing does not contain asbestos (samples S0005).



Photo 4. Asbestos-containing multi layered vinyl sheet flooring in the Kitchen (Loc. 3).



Photo 5. Asbestos-containing red vinyl sheet flooring on the 2nd floor (Loc. 9).

3.1.9 Vinyl Floor Tile and Mastic

Vinyl floor tiles are present as follows:

Size, Pattern, Colour and Photo Number	Locations (Quantity)	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
12" x 12", Grey with white streaks, Photo 4.	Back entrance (Loc. 5), 35 ft ²	S0008A-C	None Detected	None Detected
12" x 12", tan, Photo 5.	East Bedroom (Loc. 6), 180 ft ²	S0009A-C	None Detected	None Detected

The vinyl floor tiles and mastic are non-friable and are in good condition.



Photo 4. Grey with white streaks vinyl floor tile in the back entrance (Loc. 5).



Photo 5. Tan floor tile under carpet in the east bedroom (Loc. 6).

3.1.10 Levelling Compound

Levelling compound is often used in random and isolated areas and without removing all flooring may not always be detected.

3.1.11 Sealants, Caulking, and Putty

White caulking, containing chrysotile asbestos, is present around exterior window frames (sample S0002). Caulking is non-friable and is in good condition.

Grey caulking at exterior window frames does not contain asbestos (samples S0001).



Photo 6. Asbestos-containing white caulking around exterior window frames.



Photo 7. Non-asbestos containing grey caulking around exterior window frames.

3.1.12 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during this assessment due to limitations in scope and methodology. Where present, these materials are presumed to contain asbestos until otherwise proven by sampling and analysis.

Materials presumed to contain asbestos include:

- Concrete floor levelling compound
- Electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring

3.2 Lead

3.2.1 Paints and Surface Coatings

Refer to the HMIS Hazardous Materials Summary Report in Appendix V and the All Data Report in Appendix VI for paint details.

Paint was flaking/peeling in the following areas on the following items:

- White exterior wall paint (Loc. 1)
- Grey exterior concrete foundation paint (Loc. 1)
- White layered interior wall paint (Loc. 2)
- White interior wall paint (Loc. 3)
- Mauve interior wall paint (Loc. 3)
- Grey interior floor paint (Loc. 10)



Photo 8. White, lead-containing exterior flaking white wall paint.



Photo 9. Grey, lead-containing exterior flaking foundation paint.

3.2.2 *Lead Products and Applications*

Lead products were not found during the assessment.

3.2.3 *Presumed Lead Materials*

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections

3.3 **Silica**

Crystalline silica is a presumed component of the following materials:

- Poured or pre-cast concrete
- Masonry and mortar
- Stone
- Refractory or ceramic materials in high temperature mechanical or production equipment
- Ceramic tiles, grout
- Plaster
- Asphalt

3.4 **Mercury**

3.4.1 *Lamps*

Mercury vapour is present in fluorescent light tubes where present in the house and pigeon shack.

3.4.2 *Mercury-Containing Devices*

Mercury is present as a liquid in thermostats ampules.



Photo 10. Thermostat in the hallway (Loc. 5) which contains mercury.

3.5 **Polychlorinated Biphenyls**

3.5.1 *Caulking*

Caulking in the assessed area was tested and was found to not contain polychlorinated biphenyls.

3.5.2 *Lighting Ballasts*

The house and pigeon shack have not been comprehensively re-lamped with new energy efficient light ballasts and lamps, and as such, a percentage of light ballasts may be manufactured prior to 1980 and may contain PCBs.

3.6 **Mould**

Visible mould growth and water staining is present on drywall ceiling (50 ft²) in the entrance (Loc. 2), on ceiling plaster and wall wood (15 ft²) in the east bedroom (Loc. 6), on ceiling plaster (5 ft²) in the west bedroom (Loc. 8), and on ceiling fibrous board (80 ft²) in the basement (Loc. 10). There is approximately 150 ft² of visible mould growth.



Photo 11. Ceiling mould in the front entrance (Loc. 2).



Photo 12. Ceiling mould and water damage on wood and plaster in the east bedroom (Loc. 6).



Photo 11. Ceiling mould in the west bedroom (Loc. 8).

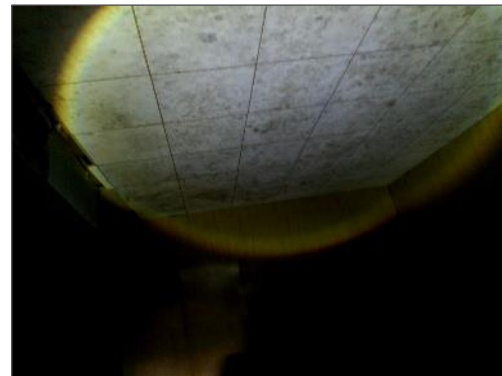


Photo 12. Ceiling mould on fibrous ceiling board in the basement (Loc. 10).

4.0 RECOMMENDATIONS

4.1 General

1. Prepare plans and performance specifications for hazardous material removal required for the planned work. The specifications should include the scope of work, safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.
2. Investigate any items excluded from the scope of work of this report. Ideally this investigation will be performed as part of the development of the specifications, or at a minimum immediately prior to commencing renovations when the areas are no longer occupied.
3. Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.

4. Retain a qualified consultant to specify, inspect and verify the successful removal of hazardous materials.
5. Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials.

4.2 Building Demolition Work

The following recommendations are made regarding demolition involving the hazardous materials identified.

4.2.1 Asbestos

Remove asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work. Remove all asbestos-containing materials (ACM) prior to demolition work.

If the identified ACM will not be removed prior to commencement of the work, disturbance of ACM must follow the 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.

4.2.2 Lead

Construction disturbance of lead in paint and coatings (or other materials) may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment will need to be assessed on a project-by-project basis and must comply with provincial standards or guidelines. Performing an exposure assessment during work that disturbs lead in paints and coatings may be able to alleviate the use of some of the precautions specified by these standards or guidelines.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal.

Dispose of painted non-metallic materials exceeding the criteria for leachable lead as hazardous waste. Well adhered paints containing elevated levels of lead on metal substrates do not require leachable lead analysis as the materials can be recycled with the paint intact.

4.2.3 Silica

Construction disturbance of silica-containing products 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 provincial standards or guidelines.



4.2.4 *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. Liquid mercury is classified as a hazardous waste and must be disposed of in accordance with local regulations.

4.2.5 *PCBs*

When light fixtures are removed, examine light ballasts for PCB content. If ballasts are not clearly labelled as "non-PCB", or are suspected to contain PCBs; package and ship ballasts for destruction at a federally permitted facility.

4.2.6 *Mould*

Mould growth was noted in areas affected by the planned work. Use appropriate precautions and protect workers during removal using methods that comply with provincial guidelines.

5.0 **TERMS AND LIMITATIONS**

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.



6.0 REFERENCES

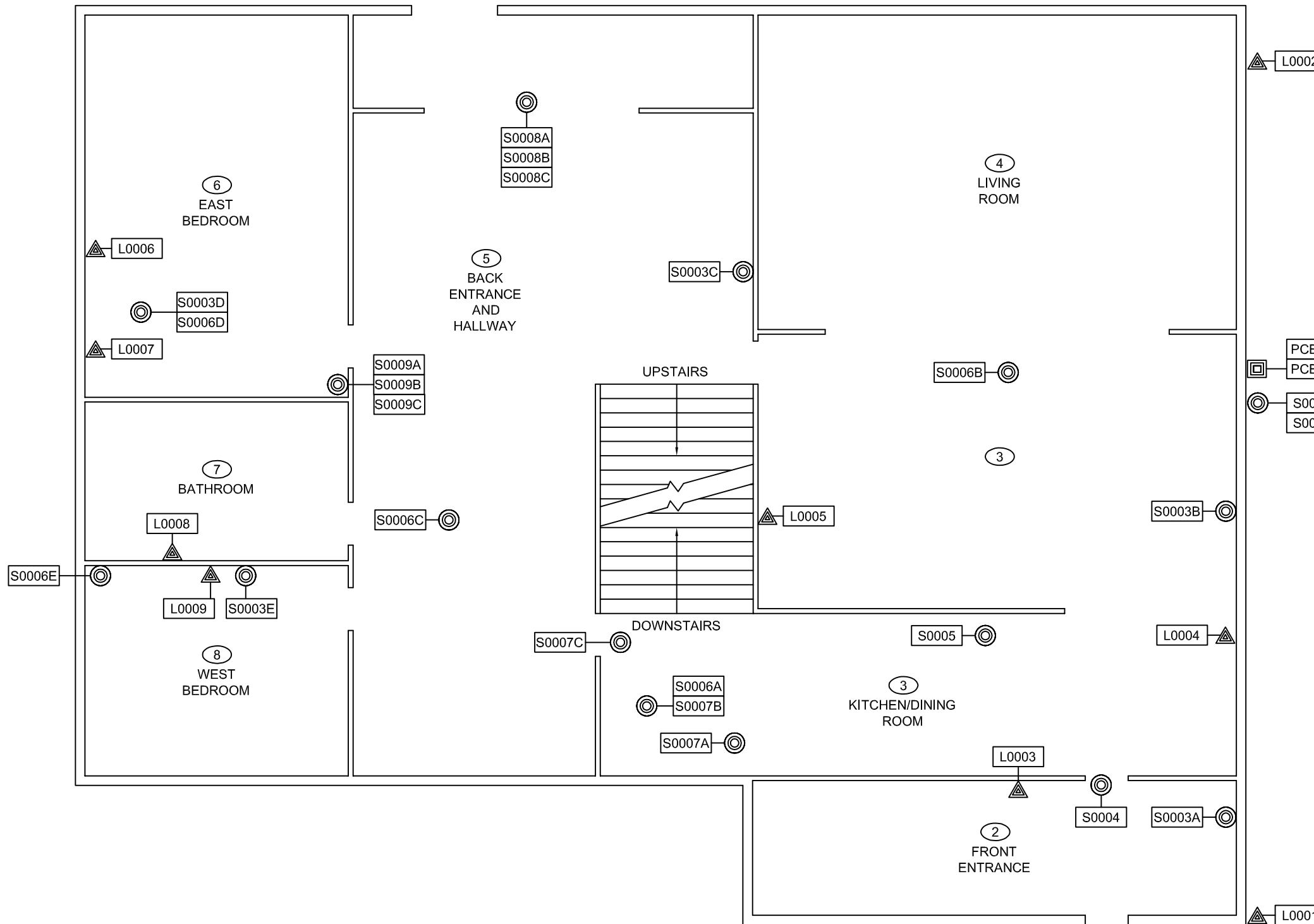
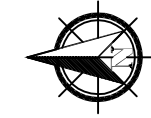
The following legislation and documents were referenced in completing the assessment and this report:

1. Occupational Health and Safety Regulations, Saskatchewan Labour, (O-1.1 Reg 1).
2. The Hazardous Substances and Waste Dangerous Goods Regulations, Environmental Management and Protection Act, Saskatchewan Environment, 1989.
3. Saskatchewan Asbestos Abatement Manual, 2017.
4. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
5. Surface Coating Materials Regulations, SOR/2005-109, Hazardous Products Act.
6. Transportation of Dangerous Goods Regulations SOR/2008-34, Transportation of Dangerous Goods Act.
7. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004, Canadian Construction Association.

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Template: Master Report for Hazardous Materials Assessment Report (Pre-Construction), Haz, September 14, 2017

APPENDIX I
Drawings



- LEGEND:
- (X) LOCATION NUMBER
 - ⊙ ASBESTOS SAMPLE
 - ▲ LEAD SAMPLE
 - ▣ PCB SAMPLE

CLIENT:
**AGRICULTURE AND
 AGRI-FOOD CANADA**

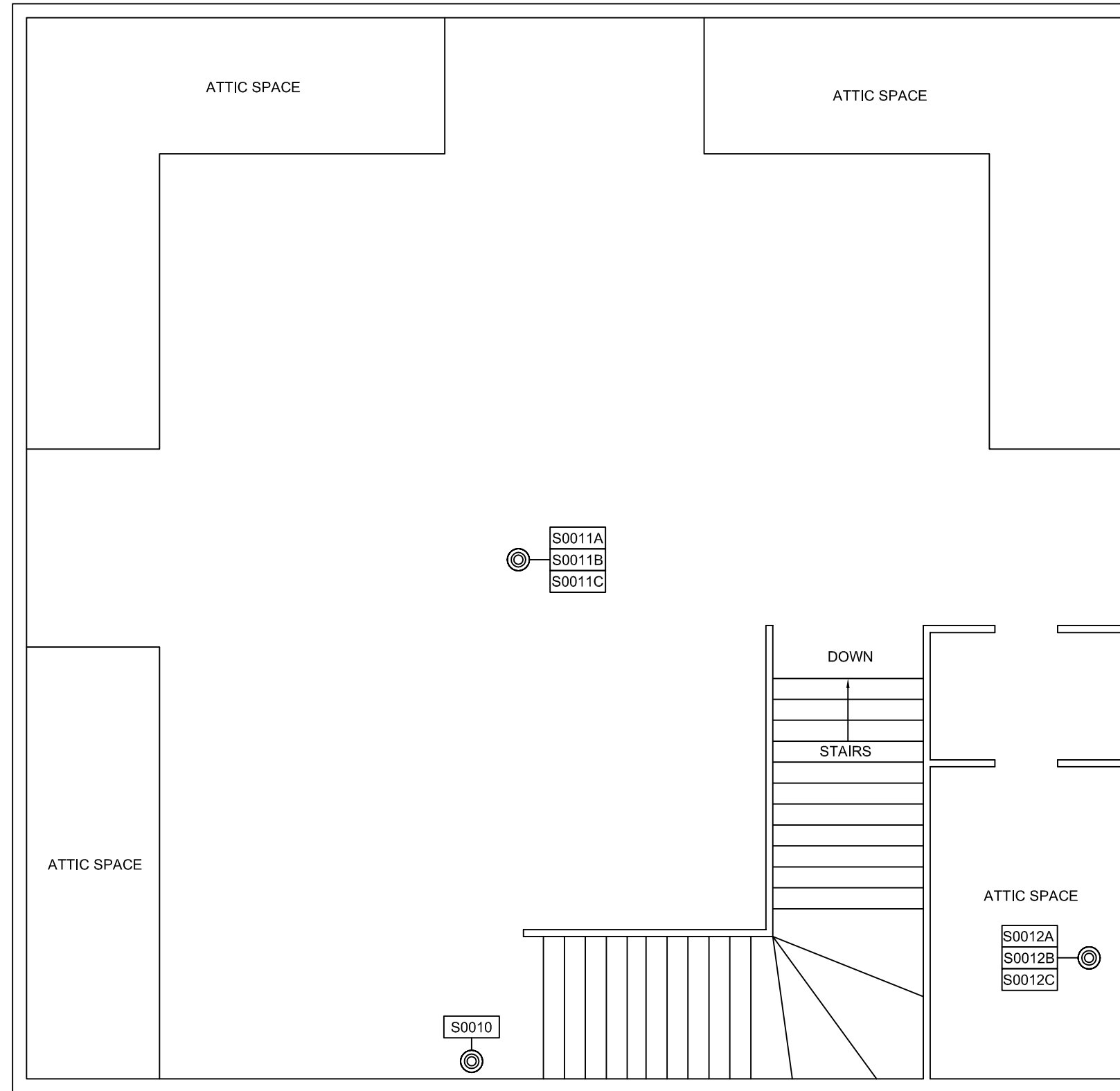
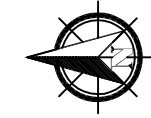
LOCATION:

TITLE: **PRE-DEMO HAZARDOUS
 MATERIALS ASSESSMENT
 SCOTT EXPERIMENTAL FARM
 MAIN FLOOR**

DATE: 2017/10/25	PROJECT # : 211750
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DRAWN BY: CS	DRAWING: 1 OF 3
CHECKED BY: JC	
SCALE: NTS	

- NOTES:
1. ALL DRAWINGS TO BE REFERENCED WITH THE HAZARDOUS MATERIALS ASSESSMENT REPORT. NOT ALL KNOWN OR SUSPECT HAZARDOUS MATERIALS ARE DEPICTED ON THIS DRAWING. REFER TO THE HAZARDOUS MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF IDENTIFIED HAZARDOUS MATERIALS.
 2. BASEPLAN PROVIDED BY THE CLIENT.
 3. LEGEND IS COLOUR DEPENDENT, PHOTOCOPIES MAY ALTER INTERPRETATION OF FIGURE.



- LEGEND:
- (X) LOCATION NUMBER
 - ⊙ ASBESTOS SAMPLE
 - ▲ LEAD SAMPLE
 - ▣ PCB SAMPLE

CLIENT:
AGRICULTURE AND
AGRI-FOOD CANADA

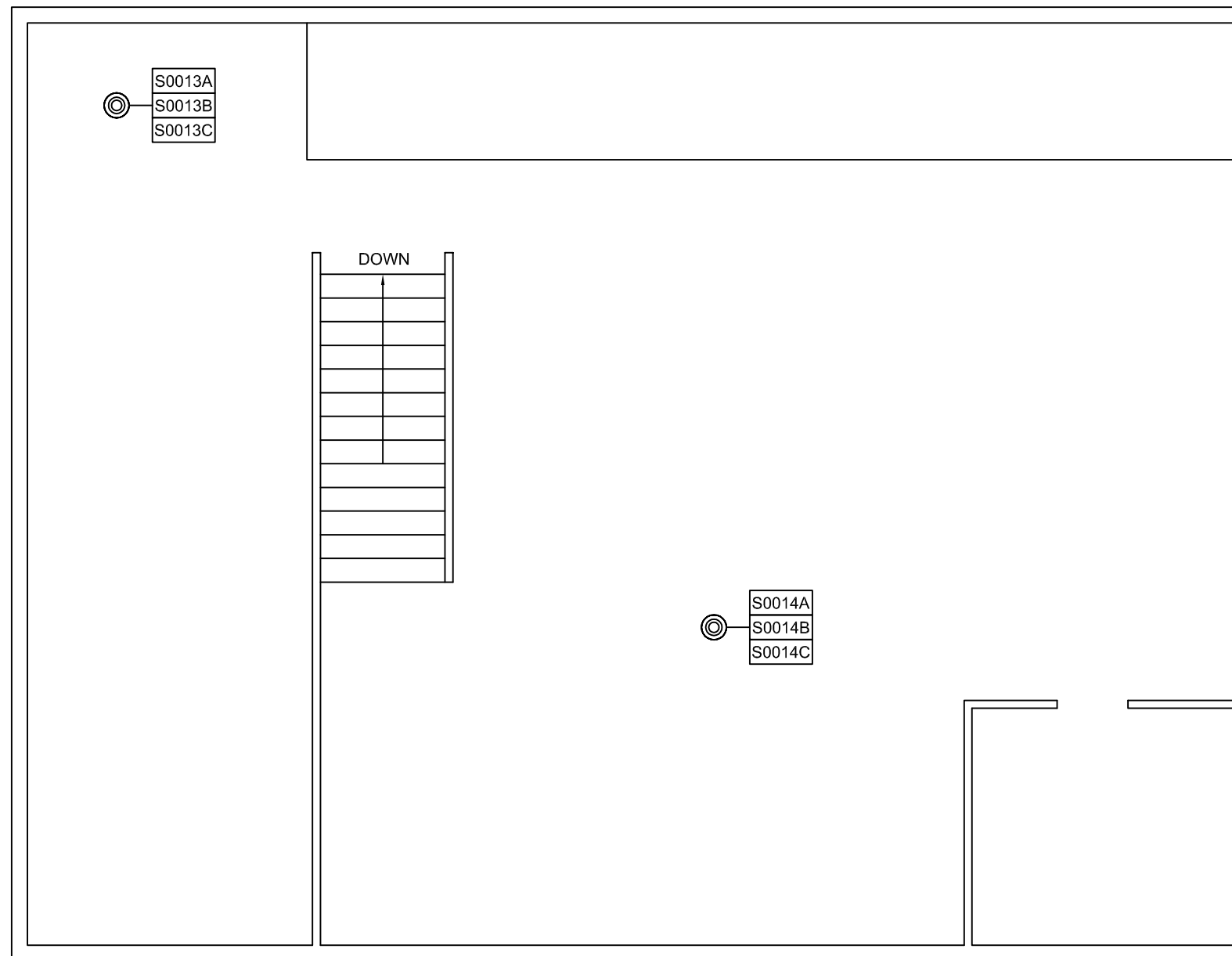
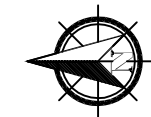
LOCATION:

TITLE: PRE-DEMO HAZARDOUS
MATERIALS ASSESSMENT
SCOTT EXPERIMENTAL FARM
SECOND FLOOR

DATE: 2017/10/25	PROJECT # : 211750
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DRAWN BY: CS	DRAWING: 2 OF 3
CHECKED BY: JC	
SCALE: NTS	

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LEGEND:

- (X) LOCATION NUMBER
- ⊙ ASBESTOS SAMPLE
- ▲ LEAD SAMPLE
- ▣ PCB SAMPLE

CLIENT:

AGRICULTURE AND
AGRI-FOOD CANADA

LOCATION:

TITLE: PRE-DEMO HAZARDOUS
MATERIALS ASSESSMENT
SCOTT EXPERIMENTAL FARM
BASEMENT

DATE:
2017/10/25

PROJECT # :
211750

DRAWN BY:
CS

CHECKED BY:
JC

SCALE:
NTS

DRAWING:

3 OF 3

NOTES:

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2. BASEPLAN PROVIDED BY THE CLIENT.
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APPENDIX II-A
Asbestos Analytical Certificates



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout
Lab Reference No.: b178639
Analyst(s): J. Dacquel
Date Received: October 16, 2017 **# Samples submitted:** 33
Date Analyzed: October 23, 2017 **# Phases analyzed:** 61

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001 Grey Caulking (Loc. 1)	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0002 White Caulking (Loc. 1)	2 Phases: a) Homogeneous, beige, soft, cementitious material.	Chrysotile 1-5%	Non-Fibrous Material > 75%
	b) Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003A Plaster (Loc. 2)	2 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	None Detected	Cellulose 1-5% Hair < 0.1% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0003B Plaster (Loc. 3)	2 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
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Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0003C Plaster (Loc. 5)	3 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, off-white, soft, cementitious material.	Chrysotile < 0.1%	Non-Fibrous Material > 75%
S0003D Plaster (Loc. 6)	2 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0003E Plaster (Loc. 8)	2 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0004 Vinyl Sheet Flooring (Loc. 2)	Homogeneous, black, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Hair 5-10% Synthetic Fibres 1-5% Tar and other non-fibrous 25-50%
Comments:	There is no adhesive material present in this sample to be analyzed.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0005 Vinyl Sheet Flooring (Loc. 3)	7 Phases:		
	a) Homogeneous, beige, compressed fibrous material.	None Detected	Cellulose > 75% Hair 0.1-1% Synthetic Fibres 0.1-1% Non-Fibrous Material 0.1-1%
	b) Homogeneous, black, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Hair 5-10% Synthetic Fibres 1-5% Tar and other non-fibrous 25-50%
	c) Homogeneous, brown, adhesive material on the back of phase b).	None Detected	Non-Fibrous Material > 75%
	d) Homogeneous, beige, consolidated, fibrous material on the back of vinyl sheet flooring.	Chrysotile 50-75%	Cellulose 1-5% Non-Fibrous Material 25-50%
	e) Homogeneous, yellow, adhesive material on the back of phase d).	None Detected	Non-Fibrous Material > 75%
	f) Homogeneous, off-white, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Man-made Vitreous Fibres 1-5% Synthetic Fibres 5-10% Non-Fibrous Material 25-50%
g) Homogeneous, yellow, adhesive material on the back of phase f).	None Detected	Non-Fibrous Material > 75%	



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0006A Stucco Ceiling Texture (Loc. 3)	Homogeneous, off-white, finishing or texture coat.	None Detected	Cellulose 0.5-5% Foam 25-50% Other Non-Fibrous 50-75%
S0006B Stucco Ceiling Texture (Loc. 3)	2 Phases: a) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, finishing or texture coat.	None Detected	Foam 25-50% Other Non-Fibrous 50-75%
S0006C Stucco Ceiling Texture (Loc. 5)	3 Phases: a) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, finishing or texture coat.	None Detected	Foam 25-50% Other Non-Fibrous 50-75%
S0006D Stucco Ceiling Texture (Loc. 6)	2 Phases: a) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, finishing or texture coat.	None Detected	Foam 25-50% Other Non-Fibrous 50-75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0006E Stucco Ceiling Texture (Loc. 8)	3 Phases: a) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, white, finishing or texture coat.	None Detected	Foam 25-50% Other Non-Fibrous 50-75%
S0007A Acoustic ceiling tile with pinholes and fissures (Loc. 3)	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 1-5%
S0007B Acoustic ceiling tile with pinholes and fissures (Loc. 3)	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 1-5%
S0007C Acoustic ceiling tile with pinholes and fissures (Loc. 3)	Homogeneous, beige, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 1-5%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0008A Vinyl Floor Tile, Grey with white streaks (Loc. 5)	3 Phases: a) Non-homogeneous, brown and grey, consolidated flooring material.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S0008B Vinyl Floor Tile, Grey with white streaks (Loc. 5)	3 Phases: a) Non-homogeneous, brown and grey, consolidated flooring material.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0008C Vinyl Floor Tile, Grey with white streaks (Loc. 5)	3 Phases: a) Non-homogeneous, brown and grey, consolidated flooring material.	None Detected	Cellulose 1-5% Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S0009A Vinyl Floor Tile, Tan (Loc. 6)	Homogeneous, black, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Hair 1-5% Synthetic Fibres 1-5% Tar and other non-fibrous 25-50%
Comments:	There is no adhesive material present in this sample to be analyzed.		
S0009B Vinyl Floor Tile, Tan (Loc. 6)	2 Phases: a) Homogeneous, black, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Hair 1-5% Synthetic Fibres 1-5% Tar and other non-fibrous 25-50%
	b) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase b) is small in size. For more reliable results, a larger sample is required.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0009C Vinyl Floor Tile, Tan (Loc. 6)	Homogeneous, black, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Hair 1-5% Synthetic Fibres 1-5% Tar and other non-fibrous 25-50%
Comments:	There is no adhesive material present in this sample to be analyzed.		
S0010 Vinyl Sheet Flooring, Orange/red (Loc. 9)	2 Phases: a) Homogeneous, grey, consolidated, fibrous material on the back of vinyl sheet flooring. b) Homogeneous, yellow, adhesive material.	Chrysotile 50-75% None Detected	Cellulose 10-25% Non-Fibrous Material 10-25% Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S0011A Fibrous board, white with holes (Loc. 9)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%
S0011B Fibrous board, white with holes (Loc. 9)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%
S0011C Fibrous board, white with holes (Loc. 9)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%
S0013A Fibrous board, white smooth (Loc. 10)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%
S0013B Fibrous board, white smooth (Loc. 10)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178639
Date Analyzed: October 23, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0013C Fibrous board, white smooth (Loc. 10)	Homogeneous, yellow, compressed fibrous material.	None Detected	Cellulose > 75% Non-Fibrous Material 0.1-1%
S0014A Brick Mortar (Loc. 10)	Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0014B Brick Mortar (Loc. 10)	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, tan, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0014C Brick Mortar (Loc. 10)	Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



Analyzed by: *[Signature]*
 Reviewed by: *[Signature]*
 Report Sent by: *JR*

*** INCONSISTENCY BETWEEN SAMPLE DESCRIPTION & SAMPLE TEXTURE FOR SAMPLES S0009ABC**

Professional Engineers Ontario
 (61)

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Agriculture and Agri-food Canada	Project Address:	Scott Experimental Farm
Portfolio/Building No:	Old House	Pinchin File:	211750
Submitted by:	Trent Pernitsky	Email:	tpernitsky@pinchinwest.com
CC Results to:	Jo-Ann Costley	CC Email:	icostley@pinchinwest.com
Date Submitted:	October 13 2017	Required by:	October 20 2017
# of Samples:	33	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):			Pinchin

To be Completed by Lab Personnel Only:

Lab Reference #:	1078639	Time:	24 hour clock
Received by:	OCT 16 2017	Date:	Month Day Year
Name(s) of Analyst(s):	J. Macquie		OCT 23, 2017

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001		Grey Caulking (Loc. 1) ND
S	0002		White Caulking (Loc. 1) a) CH 1-5% b) NO
S	0003	A	Plaster (Loc. 2) a) NO b) NO
S	0003	B	Plaster (Loc. 3) a) NO b) NO
S	0003	C	Plaster (Loc. 5) a) NO b) NO c) CH < 0.1%
S	0003	D	Plaster (Loc. 6) a) NO b) NO
S	0003	E	Plaster (Loc. 8) a) NO b) NO
S	0004		Vinyl Sheet Flooring (Loc. 2) NO

(15)

BAK

6178639

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0005		Vinyl Sheet Flooring (Loc. 3) a.) MD b.) MD c.) MD d.) CHSD-75%. e.) MD f.) MD g.) MD
S	0006	A	Stucco Ceiling Texture (Loc. 3) MD
S	0006	B	Stucco Ceiling Texture (Loc. 3) a.) MD b.) MD
S	0006	C	Stucco Ceiling Texture (Loc. 5) a.) MD b.) MD c.) MD
S	0006	D	Stucco Ceiling Texture (Loc. 6) a.) MD b.) MD
S	0006	E	Stucco Ceiling Texture (Loc. 8) a.) MD b.) MD c.) MD
S	0007	A	Acoustic ceiling tile with pinholes and fissures (Loc. 3) MD
S	0007	B	Acoustic ceiling tile with pinholes and fissures (Loc. 3) MD
S	0007	C	Acoustic ceiling tile with pinholes and fissures (Loc. 3) MD
S	0008	A	Vinyl Floor Tile, Grey with white streaks (Loc. 5) a.) MD b.) MD c.) MD
S	0008	B	Vinyl Floor Tile, Grey with white streaks (Loc. 5) a.) MD b.) MD c.) MD
S	0008	C	Vinyl Floor Tile, Grey with white streaks (Loc. 5) a.) MD b.) MD c.) MD
S	0009	A	Vinyl Floor Tile, Tan (Loc. 6) MD
S	0009	B	Vinyl Floor Tile, Tan (Loc. 6) a.) MD b.) MD
S	0009	C	Vinyl Floor Tile, Tan (Loc. 6) MD
S	0010		Vinyl Sheet Flooring, Orange/red (Loc. 9) a.) CH 50-75%. b.) MD

b178639

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0011	A	Fibrous board, white with holes (Loc. 9) MD
S	0011	B	Fibrous board, white with holes (Loc. 9) MD
S	0011	C	Fibrous board, white with holes (Loc. 9) MD
S	0012	A	Vermiculite (Loc. 9)
S	0012	B	Vermiculite (Loc. 9)
S	0012	C	Vermiculite (Loc. 9)
S	0013	A	Fibrous board, white smooth (Loc. 10) MD
S	0013	B	Fibrous board, white smooth (Loc. 10) MD
S	0013	C	Fibrous board, white smooth (Loc. 10) MD
S	0014	A	Brick Mortar (Loc. 10) MD
S	0014	B	Brick Mortar (Loc. 10) a.) MD b.) MD
S	0014	C	Brick Mortar (Loc. 10) MD

(10)



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Agriculture and Agri-food Canada, Old House, Scott Experimental Farm		
Project No.:	0211750.000		
Prepared For:	T. Pernitsky / J. Hogenhout		
Lab Reference No.:	b178640	Date Received:	October 16, 2017
Analyst(s):	A. Wells	Date Analyzed:	October 20, 2017
		# Samples submitted:	3
		# Phases analyzed:	1

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Agriculture and Agri-food Canada, Old House, Scott Experimental Farm
Project No.: 0211750.000
Prepared For: T. Pernitsky / J. Hogenhout

Lab Reference No.: b178640
Date Analyzed: October 20, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0012A Vermiculite (Loc. 9)	Homogeneous, grey, beige and brown, loose particulate, micaceous material.	Libby Amphibole Asbestos	Confirmed Vermiculite > 75%
Comments:	This sample originated from Libby Montana (a mine known to be contaminated with amphibole asbestos and is sold under the brand name Zonolite) and was confirmed in our laboratory to contain asbestos fibres. The laboratory does not report a percentage due to the variable asbestos content of the vermiculite from bag to bag or even between sampling locations in the same installation. The overall percentage of asbestos in Libby Vermiculite has been shown to range up to 6% (Atkinson et al. 1982; Amandus et al. 1987). Pinchin recommends that once the material is confirmed to be Libby Zonolite, it be treated as an asbestos containing material (>0.5% asbestos).		
S0012B Vermiculite (Loc. 9)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0012C Vermiculite (Loc. 9)			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Reviewed by:

Reporting Analyst:



Analyzed by: AW
 Reviewed by: KB
 Report Sent by: JR



**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Agriculture and Agri-food Canada	Project Address:	Scott Experimental Farm
Portfolio/Building No:	Old House	Pinchin File:	211750
Submitted by:	Trent Pernitsky	Email:	tpernitsky@pinchinwest.com
CC Results to:	Jaimie Hogenhout	CC Email:	jkazarian@pinchinwest.com
Date Submitted:	October 13 2017	Required by:	October 20 2017
# of Samples:	3	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	<u>D178640</u>	Time:	24 hour clock
Received by:	<u>OCT 16 2017</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>AW 17 10-20</u>		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0012	A	Vermiculite (Loc. 9) <u>Libby cul.</u>
S	0012	B	Vermiculite (Loc. 9) <u>na</u>
S	0012	C	Vermiculite (Loc. 9) <u>na</u>

APPENDIX II-B
Lead Analytical Certificates



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
210 Cardinal Crescent
Saskatoon, SK S7L 6H8

Attn: Trent Pernitsky
Jo-Ann Costley

Lab Order ID: 1721884
Analysis ID: 1721884_PBP
Date Received: 10/17/2017
Date Reported: 10/23/2017

Project: Scott Experimental Farm

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
L01	White paint outside (Loc. 1)	0.0707	220000	22%
1721884PBP_1				
L02	Grey Paint (Loc. 1)	0.0512	2700	0.27%
1721884PBP_2				
L03	White layered paint (Loc. 2)	0.0572	29000	2.9%
1721884PBP_3				
L04	White paint inside (Loc. 3)	0.0515	1100	0.11%
1721884PBP_4				
L05	Mauve Layered paint (Loc. 3)	0.0583	79	0.008%
1721884PBP_5				
L06	Blue/Grey paint (Loc. 6)	0.0538	330	0.033%
1721884PBP_6				
L07	Brown paint (Loc. 6)	0.0516	320	0.032%
1721884PBP_7				
L08	Blue paint (Loc. 7)	0.0772	< 52	< 0.005%
1721884PBP_8				
L09	Light blue paint (Loc. 8)	0.0753	1000	0.10%
1721884PBP_9				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Taylor Davis (9)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director

Client:	Pinchin Ltd.	<p>*Instructions: Use Column "B" for your contact info</p> <p>To See an Example Click the bottom Example Tab.</p> <p>Enter samples between "<<" and ">>" Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"</p> <p>Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.</p>
Contact:	Trent Pernitsky Jo-Ann Costley	
Address:	210 Cardinal Cr. Saskatoon, SK	
Phone:	306-500-3018	
Fax:	306-653-2057	
Email:	tpernitsky@pinchin.com jcostley@pinchin.com	
Project:	Scott Experimental Farm	
Client Notes:		
P.O. #:	211750	
Date Submitted:	10/13/2017 0:00	
Analysis:	Lead	
TurnAroundTime:	Regular	

1721884

Scientific Analytical Institute



4604 Dundas Dr.
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
L01		White paint outside (Loc. 1)	
L02		Grey Paint (Loc. 1)	
L03		White layered paint (Loc. 2)	
L04		White paint inside (Loc. 3)	
L05		Mauve Layered paint (Loc. 3)	
L06		Blue/Grey paint (Loc. 6)	
L07		Brown paint (Loc. 6)	
L08		Blue paint (Loc. 7)	
L09		Light blue paint (Loc. 8)	

Accepted

Rejected

Sheleton 10/17
9A

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Trent Pernitsky

Pinchin Ltd. (Saskatoon)
210 Cardinal Crescent, Saskatoon, SK S7L 6H8

Printed: Oct 20, 2017

Report Description: 2 solid samples were submitted for the following chemical analysis**Project Name:** Scott Experimental Farm
Project No.: 211750.000
Site Location: Scott, SK**Date Sampled:** Oct 10, 2017
Date Tested: Oct 19, 2017
Sampled by: Trent Pernitsky

Report Number: 17-1916

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	<u>Sample ID.:</u> White Caulking (Loc. 1) PCBs in Solid	<0.5	mg/kg	0.5		LAB-M06 (EPA 3550C/8082A modified)
2	<u>Sample ID.:</u> Grey Caulking (Loc. 1) PCBs in Solid	<0.5	mg/kg	0.5		LAB-M06 (EPA 3550C/8082A modified)

Results relate only to the samples tested above, as received.

Approved By:

Son C.H. Le, B. Eng. (Chem.)

Lab Manager

Phone: (519) 740-1333 Ext.: 230

Fax: (519) 740-2320

Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognised International Standard ISO/IEC 17025:2005 by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009). The laboratory quality management system of Aevitas Inc. (Ayr) meets the principles of ISO 9001:2008.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (1999). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology

1.0 GENERAL

Pinchin conducts a room-by-room survey (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined by the scope of work. All work is conducted in accordance with our own internal Standard Operating Procedures.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities are recorded. The locations of any samples collected are recorded on small-scale plans.

As-built drawings and previous reports are referenced where provided.

1.1 Scope Limitations

The assessment excludes the following:

- Articles belonging to the owner, tenant or occupant (e.g., stored items, furniture, appliances, etc.);
- Underground materials or equipment (e.g., vessels, drums, underground storage tanks, pipes, etc.);
- Energized systems (e.g., internal boiler components, elevators, mechanical or electrical components);
- Controlled products (e.g., stored chemicals, operational or process-related substances); and
- Materials not typically associated with construction (e.g., settled dust, spills, residual contamination from prior spills, etc.).

The assessment includes limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring is conducted where possible (under carpets or multiple layers of flooring). Demolition of masonry walls (chases, shafts etc.), structural items or exterior building finishes is not conducted.

1.2 Asbestos

Pinchin conducts an inspection for the presence of friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples is collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials are determined by visual examination and available information on the phases of construction and prior renovations.

Pinchin collects samples at a rate that is in compliance with the requirements of local regulations and guidelines.

Pinchin conducts limited demolition of masonry block walls (core holes) to investigate for loose fill insulation. The core holes are temporarily patched with expanding foam.

Flooring mastic/adhesive and leveling compounds are only sampled and analyzed if present on the underside of flooring samples (vinyl floor tile and vinyl sheet flooring).

If present, the following materials are presumed to be asbestos-containing and are best sampled immediately prior to commencing disturbance:

- Electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring;
- Refractory materials and insulations in boilers, incinerators and stacks;
- Insulation under metal clad boilers and vessels;
- Soffit and fascia boards at elevated heights; and
- Mechanical packing, ropes and gaskets.

Pinchin submits the bulk samples to a NVLAP accredited laboratory for analysis. The analysis is performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

In Saskatchewan an ACM is defined as materials containing >1% asbestos by weight for non-friable materials, or >0.5% for friable materials or any amount if vermiculite.

1.3 Lead

Pinchin collects samples of distinctive paint finishes and surface coatings present in more than a limited application, where removal of the paint is possible. Pinchin collects samples by scraping the painted finish to include base and covering applications. Drawings included show sample locations.

Analysis for lead in paints or surface coatings is performed at an accredited laboratory in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

For this report, all paints containing lead at a concentration of 0.009% or greater are discussed. Paint and surface coatings are evaluated for condition such as flaking, chipping or chalking.

1.4 Silica

Pinchin identifies building materials suspected of containing crystalline silica (e.g., concrete, cement, tile, brick, masonry, mortar) by knowledge of current and historic applications and visual inspection only. Pinchin does not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.5 Mercury

Building materials/products/equipment (e.g., thermostats, barometers, pressure gauges, light tubes), suspected to contain mercury are identified by visual inspection only. Dismantling of equipment suspected of containing mercury is not performed. Sampling of these materials for laboratory analysis of mercury content is not performed.

Mercury spills or damaged mercury-containing equipment are recorded where observed.

1.6 Polychlorinated Biphenyls

Pinchin determines the potential for light ballasts to contain PCBs based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information is compared to known ban dates of PCBs and Environment Canada publications. Other than light ballasts and pole mounted transformers, all other liquid uses of PCBs should have been discontinued.

Pinchin records spills or leakage of suspect PCB-containing fluids where observed or identified in historical documents.

Pinchin samples exterior caulking or sealants for PCBs based on the date of construction or installation. Caulking installed after 1985 is presumed to be free of PCBs and hence not sampled. If sampled, analysis for PCBs is performed using an ASTM test method appropriate to the sample matrix at an accredited laboratory.

1.7 Ozone Depleting Substances (ODS)

Pinchin determines the potential presence of ODS (chlorofluorocarbon, hydrochlorofluorocarbon, hydrofluorocarbon, halon, etc.) in air conditioning units, chillers, commercial coolers and fire suppression systems by visual inspection of manufactures' labels or plates, maintenance records, or log books, etc.

Domestic type equipment such as window mounted and small central air conditioners, refrigerators, and freezers are not evaluated for the presence of ODS.



1.8 Visible Mould

Pinchin identifies the presence of mould if visibly present in a significant quantity on exposed building surfaces. If any mould growth is concealed within wall cavities it is not addressed in this assessment.

Master Template: Methodology Document for Hazardous Building Materials Pre-Construction, HAZ, July 21, 2017

APPENDIX IV
Location Summary Report



LOCATIONS LIST

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10

Location No.	Name or Description	ft ²	Floor No.	Notes
1	Exterior			
2	Front Entrance	100	M	
3	Kitchen/dining Room	300	M	
4	Livingroom	150	M	
5	Back Entrance And Hallway	170	M	
6	East Bedroom	180	M	
7	Bathroom	75	M	
8	West Bedroom	70	M	
9	Upstairs/attic	300	2	
10	Basement	600	B	

Project #: 211750.000 Site: Scott, Scott, SK Building Name: Pigeon Shack Surveyor: Trent Pernitsky Survey Date: 2017-10-10

Location No.	Name or Description	ft ²	Floor No.	Notes
1	Pigeon Shack	450	M	

APPENDIX V
Hazardous Material Summary Report



HAZARDOUS MATERIALS SUMMARY

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - ASBESTOS CONTAINING MATERIALS (ACM)								
Sample No.	System	Material/Notes	Friable	Location(s)	Substance	Amount	Unit	Positive
S0001	WALL	CAULKING, GREY CAULKING	No	1	None Detected			No
S0002	WALL	CAULKING, WHITE CAULKING	No	1	Chrysotile	1-5	%	Yes
S0003	WALL	PLASTER	No	2,3,4,5,6,7,8	None Detected			No
S0004	FLOOR	VINYL SHEET FLOORING, BEIGE	Yes	2	None Detected			No
S0005	FLOOR	VINYL SHEET FLOORING, MULTIPLE LAYERS	Yes	3,7	Chrysotile	50-75	%	Yes
S0006	CEILING	STUCCO	No	3,4,5,6,8	None Detected			No
S0007	CEILING	LAY-IN CEILING TILES, PINHOLES AND FISSURES	Yes	3,7	None Detected			No
S0008	FLOOR	VINYL FLOOR TILES, GREY WITH WHITE STREAKS	No	5	None Detected			No
S0009	FLOOR	VINYL FLOOR TILES, TAN	No	6,8	None Detected			No
S0010	FLOOR	VINYL SHEET FLOORING, ORANGE/RED PATTERN	Yes	9	Chrysotile	50-75	%	Yes
S0011	CEILING	FIBROUS BOARD, WHITE WITH SMALL AND LARGE HOLES	Yes	9,10	None Detected			No
S0012	FLOOR	VERMICULITE	Yes	9	Libby Amphibole			No
S0013	CEILING	FIBROUS BOARD, WHITE 1'X1' SMOOTH	Yes	10	None Detected			No
S0014	WALL	MASONRY, BRICK MORTAR	No	10	None Detected			No

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - LEAD BASED PAINT (LBP)								
Sample No.	System	Description	Location(s)	Substance	Amount	Unit		Positive
L0001	WALL	WHITE PAINT	1	Lead	22.0	%		Yes
L0002	STRUCTURE	GREY PAINT	1,10	Lead	0.27	%		Yes
L0003	WALL	WHITE LAYERED	2	Lead	2.9	%		Yes
L0004	WALL	WHITE PAINT	3,5,6,7	Lead	0.11	%		Yes
L0005	WALL	MAUVE LAYERED PAINT	3,4	Lead	0.008	%		No
L0006	WALL	BLUE/GREY	6	Lead	0.033	%		Yes
L0007	WALL	BROWN PAINT	6	Lead	0.032	%		Yes
L0008	WALL	BLUE	7	Lead	<0.005	%		No
L0009	WALL	LIGHT BLUE	8	Lead	0.10	%		Yes



HAZARDOUS MATERIALS SUMMARY

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - MERCURY (HG)		
Component	Total Quantity (Estimated)	Location(s)
THERMOSTAT	1	5
FLUORESCENT LIGHT TUBE	8	5,7,9

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - POLYCHLORINATED BIPHENYLS (PCB)					
Component	Total Quantity (Estimated)	Location(s)	Amount	Unit	Positive
LIGHT BALLASTS	4	5,7,9			Yes
CAULKING	50	1	<0.5	mg/kg	No
CAULKING	50	1	<0.5	mg/kg	No

Project #: 211750.000 Site: Scott, Scott, SK Building Name: Pigeon Shack Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - ASBESTOS CONTAINING MATERIALS (ACM)								
Sample No.	System	Material/Notes	Friable	Location(s)	Substance	Amount	Unit	Positive
V9000	CEILING	TRANSITE (ASBESTOS CEMENT)	No	1	Visually Confirmed			Yes
V9000	WALL	TRANSITE (ASBESTOS CEMENT)	No	1	Visually Confirmed			Yes

Project #: 211750.000 Site: Scott, Scott, SK Building Name: Pigeon Shack Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - MERCURY (HG)		
Component	Total Quantity (Estimated)	Location(s)
FLUORESCENT LIGHT TUBE	2	1

Project #: 211750.000 Site: Scott, Scott, SK Building Name: Pigeon Shack Surveyor: Trent Pernitsky Survey Date: 2017-10-10

HAZARDOUS MATERIALS SUMMARY - POLYCHLORINATED BIPHENYLS (PCB)					
Component	Total Quantity (Estimated)	Location(s)	Amount	Unit	Positive
LIGHT BALLASTS	1	1			Yes

APPENDIX VI
All Data Report



ALL DATA REPORT

Project #: 211750.000
Location #: 1

Site: Scott Research Farm, Scott, SK
Location Name: Exterior

Building Name: House
Floor:

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft:

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
WALL	ALL	CAULKING, GREY CAULKING	No			A	Y	50			LF	S0001	NON-ASBESTOS		No
WALL	ALL	CAULKING, WHITE CAULKING	No			A	Y	50 (7)			LF	S0002	CHRYSTILE	1-5%	Yes

Project #: 211750.000
Location #: 2

Site: Scott Research Farm, Scott, SK
Location Name: Front Entrance

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 100

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, BEIGE	Yes		CARPET	A	N	100			SF	S0004	NON-ASBESTOS		No
CEILING	ALL	DRYWALL NO COMPOUND	No								SF		~		No
WALL	ALL	PLASTER	No			A	Y	300			SF	S0003A	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No



ALL DATA REPORT

1-877-322-4744
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Project #: 211750.000
Location #: 3

Site: Scott Research Farm, Scott, SK
Location Name: Kitchen/dining Room

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 300

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, MULTIPLE LAYERS	Yes			A	Y	300 (5)			SF	S0005	CHRYSTILE	50-75%	Yes
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, PINHOLES AND FISSURES	Yes			A	Y	150			SF	S0007A	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, PINHOLES AND FISSURES	Yes			A	Y	0			SF	S0007B	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, PINHOLES AND FISSURES	Yes			A	Y	0			SF	S0007C	NON-ASBESTOS		No
CEILING	ALL	STUCCO	No			C	Y	300			SF	S0006A	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	300			SF	V0003	NON-ASBESTOS		No
CEILING	ALL	STUCCO	No			C	Y	0			SF	S0006B	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	500			SF	S0003B	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	ALL	NOT INSULATED	No										~		No
MECHANICAL	NOT FOUND		No										~		No

Project #: 211750.000
Location #: 4

Site: Scott Research Farm, Scott, SK
Location Name: Livingroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 150

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CARPET	No								SF		~		No
CEILING	ALL	STUCCO	No			C	Y	150			SF	V0006	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	150			SF	V0003	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	500			SF	V0003	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No



ALL DATA REPORT

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Project #: 211750.000
Location #: 5

Site: Scott Research Farm, Scott, SK
Location Name: Back Entrance And Hallway

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 170

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, GREY WITH WHITE STREAKS	No		CARPET	A	N	170			SF	S0008A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, GREY WITH WHITE STREAKS	No		CARPET	A	N	0			SF	S0008C	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, GREY WITH WHITE STREAKS	No		CARPET	A	N	0			SF	S0008B	NON-ASBESTOS		No
CEILING	ALL	STUCCO	No			C	Y	170			SF	S0006C	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	170			SF	V0003	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	500			SF	S0003C	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No

Project #: 211750.000
Location #: 6

Site: Scott Research Farm, Scott, SK
Location Name: East Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 180

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, TAN	No		CARPET	A	N	180			SF	S0009A	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, TAN	No		CARPET	A	N	0			SF	S0009B	NON-ASBESTOS		No
FLOOR	ALL	VINYL FLOOR TILES, TAN	No		CARPET	A	N	0			SF	S0009C	NON-ASBESTOS		No
CEILING	ALL	STUCCO	No			C	Y	180			SF	S0006D	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	170			SF	S0003D	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	500			SF	V0003	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No



ALL DATA REPORT

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Project #: 211750.000
Location #: 7

Site: Scott Research Farm, Scott, SK
Location Name: Bathroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 75

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, MULTIPLE LAYERS	Yes			A	Y	75 (5)			SF	V0005	CHRYBOTILE	50-75%	Yes
CEILING	ACOUSTIC TILE	LAY-IN CEILING TILES, PINHOLES AND FISSURES	Yes			A	Y	75			SF	V0007	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	75			SF	V0003	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	250			SF	V0003	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	ALL	NOT INSULATED	No										~		No
MECHANICAL	NOT FOUND		No										~		No

Project #: 211750.000
Location #: 8

Site: Scott Research Farm, Scott, SK
Location Name: West Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 70

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL FLOOR TILES, TAN	No		CARPET	A	N	70			SF	V0009	NON-ASBESTOS		No
CEILING	ALL	STUCCO	No			C	Y	70			SF	S0006E	NON-ASBESTOS		No
CEILING	ALL	PLASTER	No			C	N	70			SF	V0003	NON-ASBESTOS		No
WALL	ALL	PLASTER	No			A	Y	300			SF	S0003E	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No



ALL DATA REPORT

1-877-322-4744
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Project #: 211750.000
Location #: 9

Site: Scott Research Farm, Scott, SK
Location Name: Upstairs/attic

Building Name: House
Floor: 2

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 300

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	VINYL SHEET FLOORING, ORANGE/RED PATTERN	Yes		CARPET	A	Y	250 (5)				S0010	CHRYSTILE	50-75%	Yes
FLOOR	ALL	VERMICULITE	Yes			A	Y	150			SF	S0012A	NON-ASBESTOS		No
FLOOR	ALL	VERMICULITE	Yes			A	Y	0			SF	S0012B	NON-ASBESTOS		No
FLOOR	ALL	VERMICULITE	Yes			A	Y	0			SF	S0012C	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBROUS BOARD, WHITE WITH SMALL AND LARGE HOLES	Yes			A	Y	20			SF	S0011A	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBROUS BOARD, WHITE WITH SMALL AND LARGE HOLES	Yes			A	Y	0			SF	S0011B	NON-ASBESTOS		No
CEILING	ACOUSTIC TILE	FIBROUS BOARD, WHITE WITH SMALL AND LARGE HOLES	Yes			A	Y	0			SF	S0011C	NON-ASBESTOS		No
CEILING	ALL	WOOD	No										~		No
WALL	ALL	WOOD	No										~		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	ALL	NOT INSULATED	No										~		No
MECHANICAL	NOT FOUND		No										~		No



ALL DATA REPORT

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Project #: 211750.000
Location #: 10

Site: Scott Research Farm, Scott, SK
Location Name: Basement

Building Name: House
Floor: B

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 600

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (POURED)	No										~		No
CEILING	ALL	FIBROUS BOARD	Yes			A	Y			50	SF	V0011	NON-ASBESTOS		No
CEILING	ALL	FIBROUS BOARD, WHITE 1'X1' SMOOTH	Yes			A	Y			50	SF	S0013A	NON-ASBESTOS		No
CEILING	ALL	FIBROUS BOARD, WHITE 1'X1' SMOOTH	Yes			A	Y			0	SF	S0013C	NON-ASBESTOS		No
CEILING	ALL	FIBROUS BOARD, WHITE 1'X1' SMOOTH	Yes			A	Y			0	SF	S0013B	NON-ASBESTOS		No
WALL	ALL	CONCRETE (POURED)	No										~		No
WALL	ALL	MASONRY, BRICK MORTAR	No			A	Y	100			SF	S0014A	NON-ASBESTOS		No
WALL	ALL	MASONRY, BRICK MORTAR	No			A	Y	0			SF	S0014B	NON-ASBESTOS		No
WALL	ALL	MASONRY, BRICK MORTAR	No			A	Y	0			SF	S0014C	NON-ASBESTOS		No
STRUCTURE	ALL	WOOD	No										~		No
DUCT	ALL	NOT INSULATED	No										~		No
PIPE	ALL	NOT INSULATED	No										~		No
MECHANICAL	ALL	NOT INSULATED	No										~		No



ALL DATA REPORT

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 1 Location Name: Exterior Floor: Room #: Square ft:

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	WOOD		2000	SF	L0001	White paint		22.0%	Yes
STRUCTURE	CONCRETE (POURED)		250	SF	L0002	Grey paint		0.27%	Yes

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 2 Location Name: Front Entrance Floor: M Room #: Square ft: 100

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
CEILING	DRYWALL AND JOINT COMPOUND	100		SF	V0003			2.9%	Yes
WALL	PLASTER		300	SF	L0003	White layered		2.9%	Yes

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 3 Location Name: Kitchen/dining Room Floor: M Room #: Square ft: 300

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER		300	SF	L0004	White paint		0.11%	Yes
WALL	PLASTER		200	SF	L0005	Mauve layered paint		0.008%	No

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 4 Location Name: Livingroom Floor: M Room #: Square ft: 150

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	500		SF	V0005	Mauve layered paint		0.008%	No

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 5 Location Name: Back Entrance And Hallway Floor: M Room #: Square ft: 170

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	500		SF	V0004			0.11%	Yes



ALL DATA REPORT

Project #: 211750.000
Location #: 6

Site: Scott Research Farm, Scott, SK
Location Name: East Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 180

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	500		SF	V0004			0.11%	Yes
WALL	CONCRETE (POURED)	100		SF	L0006	Blue/grey		0.033%	Yes
WALL	PLASTER	100		SF	L0007	Brown paint		0.032%	Yes

Project #: 211750.000
Location #: 7

Site: Scott Research Farm, Scott, SK
Location Name: Bathroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 75

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	100		SF	V0004	White paint		0.11%	Yes
WALL	PLASTER	100		SF	L0008	Blue		<0.005%	No

Project #: 211750.000
Location #: 8

Site: Scott Research Farm, Scott, SK
Location Name: West Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 70

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
WALL	PLASTER	150		SF	L0009	Light blue		0.10%	Yes

Project #: 211750.000
Location #: 10

Site: Scott Research Farm, Scott, SK
Location Name: Basement

Building Name: House
Floor: B

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 600

LEAD PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Result Description	Amount	Lead
FLOOR	CONCRETE (POURED)		600	SF	V0002			0.27%	Yes
WALL	CONCRETE (POURED)	450		SF	V0002			0.27%	Yes



ALL DATA REPORT

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
 Location #: 5 Location Name: Back Entrance And Hallway Floor: M Room #: Square ft: 170

MERCURY		
Component	Quantity	Unit
THERMOSTAT	1	EA
FLUORESCENT LIGHT TUBE	4	EA

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
 Location #: 7 Location Name: Bathroom Floor: M Room #: Square ft: 75

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
 Location #: 9 Location Name: Upstairs/attic Floor: 2 Room #: Square ft: 300

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA



ALL DATA REPORT

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 1 Location Name: Exterior Floor: Room #: Square ft:

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
CAULKING	50	LF	P0001	Grey caulking	<0.5mg/kg	No
CAULKING	50	LF	P0002	White caulking	<0.5mg/kg	No

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 5 Location Name: Back Entrance And Hallway Floor: M Room #: Square ft: 170

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	2	EA				Yes

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 7 Location Name: Bathroom Floor: M Room #: Square ft: 75

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes

Project #: 211750.000 Site: Scott Research Farm, Scott, SK Building Name: House Surveyor: Trent Pernitsky Survey Date: 2017-10-10
Location #: 9 Location Name: Upstairs/attic Floor: 2 Room #: Square ft: 300

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes



ALL DATA REPORT

Project #: 211750.000
Location #: 2

Site: Scott Research Farm, Scott, SK
Location Name: Front Entrance

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 100

MOULD							
System	Material	Visible	Quantity	Unit	Sample	Sample Description	Mould
CEILING	DRYWALL NO COMPOUND	N	50	SF			SVM

Project #: 211750.000
Location #: 6

Site: Scott Research Farm, Scott, SK
Location Name: East Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 180

MOULD							
System	Material	Visible	Quantity	Unit	Sample	Sample Description	Mould
CEILING	PLASTER	Y	10	SF			SVM
WALL	WOOD	Y	5	SF			SVM

Project #: 211750.000
Location #: 8

Site: Scott Research Farm, Scott, SK
Location Name: West Bedroom

Building Name: House
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 70

MOULD							
System	Material	Visible	Quantity	Unit	Sample	Sample Description	Mould
CEILING	PLASTER	Y	5	SF			SVM

Project #: 211750.000
Location #: 10

Site: Scott Research Farm, Scott, SK
Location Name: Basement

Building Name: House
Floor: B

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 600

MOULD							
System	Material	Visible	Quantity	Unit	Sample	Sample Description	Mould
CEILING	FIBROUS BOARD	Y	80	SF			SVM



ALL DATA REPORT

Project #: 211750.000
Location #: 1

Site: Scott, Scott, SK
Location Name: Pigeon Shack

Building Name: Pigeon Shack
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 450

ASBESTOS															
System	Component	Material	Friable	Item	Covering	Access	Visible	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Asbestos
FLOOR	ALL	CONCRETE (POURED)	No										~		No
CEILING	ALL	TRANSITE (ASBESTOS CEMENT)	No			A	Y	450 (7)			SF	V9000	CONFIRMED		Yes
WALL	ALL	TRANSITE (ASBESTOS CEMENT)	No			A	Y	600 (7)			SF	V9000	CONFIRMED		Yes
STRUCTURE	ALL	WOOD	No										~		No
DUCT	NOT FOUND		No										~		No
PIPE	NOT FOUND		No										~		No
MECHANICAL	NOT FOUND		No										~		No

Project #: 211750.000
Location #: 1

Site: Scott, Scott, SK
Location Name: Pigeon Shack

Building Name: Pigeon Shack
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 450

MERCURY		
Component	Quantity	Unit
FLUORESCENT LIGHT TUBE	2	EA

Project #: 211750.000
Location #: 1

Site: Scott, Scott, SK
Location Name: Pigeon Shack

Building Name: Pigeon Shack
Floor: M

Surveyor: Trent Pernitsky
Room #:

Survey Date: 2017-10-10
Square ft: 450

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
LIGHT BALLASTS	1	EA				Yes



Legend:

Sample number		Units		Other	
S####	Sample collected.	SF	Square feet	SVM	Suspect Visible Mould
V####	Material is visually identified to be identical to S####	LF	Linear feet		
V0000	Known non asbestos material.	EA	Each		
V9000	Material is visually identified to contain asbestos.	%	Percentage		
V9500	Material is presumed to contain asbestos.				
Access		Condition			
A	Accessible to all building occupants	Good	No visible damage or deterioration		
B	Accessible to maintenance and operations staff without a ladder	Fair	Minor, repairable damage, cracking or deterioration.		
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas.	Poor	Irreparable damage or deterioration with exposed and missing material.		
D	Not normally accessible or without demolition				
Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair
(7)	Management program and surveillance				