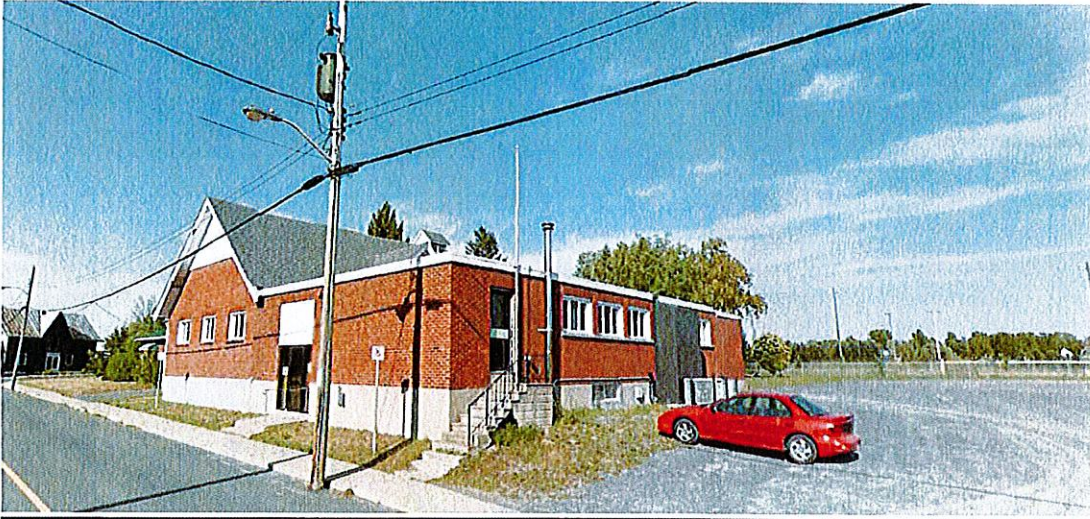


TOWNSHIP OF NORTH STORMONT
DEMOLITION OF THE
MOOSE CREEK COMMUNITY CENTRE

Munroe St.
Moose Creek, ON

RFQ 02-2022



B. Campbell, P.Eng., Eastern Engineering Group Inc.

Prepared For:

**THE COPORATION OF THE TOWNSHIP OF
NORTH STORMONT**

15 Union St.
BERWICK, ONTARIO
TEL: (613) 984-2821

Prepared by:

EASTERN ENGINEERING GROUP INC.
100 STROWGER BLVD., SUITE 207
BROCKVILLE, ONTARIO, K6V 5J9

TEL: (613) 345-0400
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1.0 INTRODUCTION

1.1 BUILDING DESCRIPTION

The building is a single storey wood framed roof with concrete block walls which has an approximate building area of 216m² and is provided with vinyl cladding and tin roofing. There is no crawl space or basement. The building is provided with concrete floor slab and below grade foundations.

In general, the building is composed of four masonry walls and wood framed trusses constructed with below grade foundations.

2.0 PRE-DEMOLITION

Prior to commencing demolition works, ensure that the following measures have been completed.

- Obtain utility locates.
- Disconnect all electrical services to the building and surrounding site.
- Disconnect gas utilities servicing the site.
- Water meters shall be disconnected at the foundation and protected from damage.
- Sanitary and storm drains shall be capped at the property line and protected from damage.
- Work area shall be fenced from the public with a minimum 6' tall modular fence around the extent of the work site.
- Erect signage and postings in visible locations indicating the intent of the building demolition.
- Obtain a demolition permit from the local municipal office having jurisdiction.
- Complete a designated substance survey and ensure all substances are properly removed and off location prior to commencing demolition.
- Ensure measures are installed to implement dust control measures such as water misters or portable water truck and hose stations.
- Provide erosion control, as required.
- Implement site specific construction signage, as required (i.e. low hanging wires, open excavations, etc....)
- Ensure a contact list of all emergency contacts and utilities authorities is always present on site.

3.0 DEMOLITION METHODOLOGY

3.1 GENERAL

Only upon the successful removal of designated substances and upon completion the pre-demolition procedures the contractor shall complete the be permitted to remove:

- Salvage any non-structural building fixtures, such as light pendants, sinks, lavatories, mechanical units, plumbing.
- Remove non-loadbearing walls and ceiling finishes.
- Remove disconnected electrical wiring and data communications.
- Remove any furnishing, guards, and railing, doors and windows.
- Remove and sort roof framing and loadbearing walls.
- Remove foundations, concrete slabs and backfill.

Foundations shall only be removed upon completion; the contractor shall remove foundation to a limited depth of 1.5m below finished grade. Demolition of the foundation may be completed using a hoe ram or concrete pulverizer.

In no case shall any material be reduced in segments greater than 1m³, unless specifically noted by the demolition consultant in this report.

Masonry and concrete to be removed, with an option to use the pulverized material and use as B1 grade backfill to reinstate grade to the original condition upon completion.

4.0 RISK MANAGEMENT STRATEGY

A Health and Safety Representative of the firm shall be informed of commencement dates and schedule periodic site reviews of the demolition works identifying compliance with the outlined procedures and restrictions developed in this report. All demolition shall be completed using cabbed machines reducing the risk of noise, vibration and falling debris.

The contractor shall prior to commencing daily operations brief workers on the potential risks and dangers with the task to be completed.

Site boundaries and exclusion zones shall be identified prior to starting demolition works. Demolition activities that present a risk of material existing the site boundary zone, such as flying concrete debris or pre-stressed structures shall have additional hoarding and protection added to prevent material from exiting the area of work.

Ensure the site supervisor has all emergency contacts, first aid kits, spill kits and fire extinguishers accessible and on site always. The site supervisor shall be responsible for the safety of workers during work.

Any manual work above 2m in height shall be completed using a hydraulic lift.

The structure shall be worked on progressively in the sequenced ordered outlined in this report. The work shall be commenced on one common face and be continued as to not destabilize the main structure. At the end of each shift, prior to leaving site it shall be determined that the conditions are safe without risk of collapse prior to the next shift commencing.


It is essential that all personnel wear the appropriate personal protective equipment. This shall include, but not be limited to, hard hat, safety boots/shows, high visibility vest, eye protection and hearing protection. Additional PPE may be required for job specific task as determined by the site supervisor.

Ensure that the site remains fenced to restrict public access to the work zone. All utilities shall be clearly labeled, marked, and protected as required. Use good housekeeping practices on site to prevent to risk of tripping or falling. Work directly under demolition areas shall be cornered off, ground personal around falling debris which active equipment is strictly forbidden. All workers shall be tasked to always maintain awareness of their surroundings on-site.

Comply with the following standards during work:

1. CSA S350-M1980 Code of practice for safety in Demolition of Structures.
2. NFPA 241 Standard of safeguarding Construction, Alteration, and Demolition Operations.
3. Canadian Environmental Protection Act
4. Transportation of Dangerous Good Act
5. Occupational Health and Safety Act for Construction Projects.

Please do not hesitate to contact the undersigned for additional questions or concerns.



Brandon D. Campbell, P.Eng.



**THE CORPORATION OF THE TOWNSHIP OF NORTH
STORMONT**

REQUEST FOR QUOTATION

FOR

DEMOLITION OF THE MOOSECREEK COMMUNITY CENTRE

RFQ 02-2022

CLOSING

DATE: April 14, 2022

TIME: 2:00 P.M.

LOCATION: TOWNSHIP OF NORTH STORMONT

15 Union Street, Berwick, ON K0C 1G0

Phone: 613-984-2821

LATE QUOTATIONS WILL NOT BE ACCEPTED

The Corporation of the Township of North Stormont reserves the right to accept or reject all or part of any Quotation and also reserves the right to accept other than the lowest Quotation and to cancel this Request for Quotation at any time.

1. Scope of Project and Specification

The Corporation of the Township of North Stormont requires quotations for demolition and disposal services for the existing Moosecreek Community Centre located at 2 Polycarp Street, Moosecreek, Ontario. A copy of the Demolition report prepared by Eastern Engineering Group Inc. for the project has been attached to the tender documents.

Building Size:

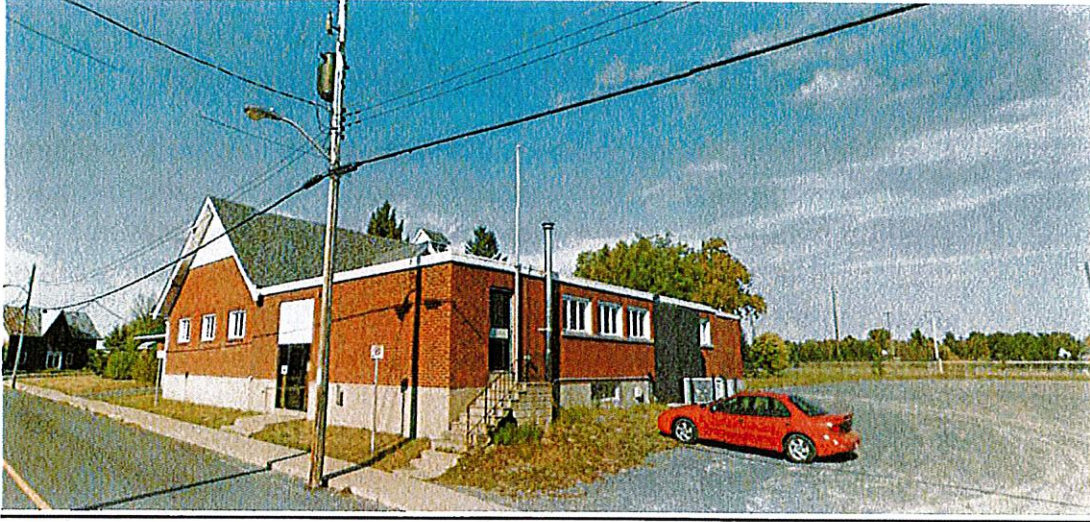
- 1 ½ storey with basement rectangular 35'x68'
- 1 storey with basement rectangular 35'x68'

Demolition Requirements:

1. Roofing and Cladding Materials.
2. Doors, windows and glazing.
3. Insulation and vapour barriers.
4. Wood framed roof and wall systems.
5. Mechanical, electrical and plumbing systems and fixtures.
6. Concrete slab on grade.
7. Concrete foundations (full depth).

Photographs:





2. Timeline

Proponents must sign and submit their bids in a sealed envelope addressed as follows, and bids must be submitted under the following instructions:

**THE CORPORATION OF THE TOWNSHIP OF
NORTH STORMONT
REQUEST FOR QUOTATION
FOR
DEMOLITION OF THE
MOUSECREEK COMMUNITY
CENTRE**

RFQ 02-2022

CLOSING DATE & TIME:
April 14, 2022 at 2:00pm

3. Opening and Notification of Acceptance:

- Quotations will be opened by Municipal staff following the closing date and time as stated in this RFQ. Notification of acceptance shall be made by Phone/e-mail, addressed to the successful Proponent at the address noted in the quotation, following the awarding by the Municipality. Upon such notification of acceptance, the successful proposal shall constitute the contract between the parties. Therefore, it is anticipated that no agreement or other separate document will be required.
- Quotations shall be open for acceptance for a period of 30 days after the closing date. After this time, the Quotation may only be accepted with the consent of the successful bidder/contractor.

4. Submission Format

- a) Forms to be submitted with the document must be completed in their entirety in hard copy. Proponents must complete the Form of Quotation and Reference fields located at the end of this document.
- b) All entries shall be clear and legible and made in a non-erasable medium and signed in ink.
- c) Submissions may be mailed, couriered or hand-delivered to the appropriate location. The Township will not accept electronic or digitally transmitted submissions. Delivery of Quotations through a third party mail courier service shall be at the risk of the Bidder and must be arranged in due time for the Quotation to arrive at the specified location before the Quotation closing time.

5. Basis of Rejection

The Corporation of the Township of North Stormont reserves the right to reject any or all proposals for any reason whatsoever, including, but not limited to the following:

- a) Quotations received after the closing date.
- b) Quotations received on other than the Request for Quotation form supplied.
- c) Qualified or conditional quotations.
- d) Quotation forms not properly signed and sealed.

Note: The Township has the authority and discretion to terminate this Quotation at any time, without giving reason and to accept any proposal considered best for its interest.

6. Basis of Payment

The Proponent shall provide an invoice to the Township for payment after the contract work has been completed. Payment shall be made within thirty (30) days upon receiving the proponent's invoice.

7. Terms and Conditions

General Conditions

- o The Proponent shall provide competent workers to carry out the work in a safe and responsible manner.
- o The hours of work shall be determined by the Township.
- o Township inspection staff shall confirm completion of work performed prior to issuance of payment.
- o The successful Proponent shall indemnify and save harmless The Township of North Stormont from and against all claims, actions, losses, expenses, costs, or damages of every nature and kind whatsoever which The Township of North Stormont, its employees, officers or agents may suffer as a result of the negligence of the Contractor, his employees, officers or agents in the performance of the contract.

Regulations/Policy

- The Contractor shall abide, if applicable, by the requirements of the Industrial Standards Act, Employment Standards Act and any other Acts or By-Laws including Provincial and Federal Legislation which are relative to the performance of work. All contractors and sub-contractors must comply with all Health and Safety requirements as well as the Violence and Harassment policy for The Township of North Stormont.

Public Works Superintendent or Designate

- The Public Works Superintendent, or designate, shall mean any such person, partnership or corporation, appointed by the Council, to act on their behalf in any particular capacity.

Damage by Vehicle and Other Equipment

- If at any time, in the opinion of the Public Works Superintendent, damage is done or is likely to be done to any highway, parking lot, sidewalk, surrounding sodded areas or any property thereon by the Contractor's vehicles or other equipment whether licensed or unlicensed, the Contractor shall, on the direction of the Public Works Superintendent and at the Contractor's own expense make changes in or substitutions for such vehicles or other equipment or shall alter loadings or shall in some other manner remove the cause of damage and complete the necessary clean up and repairs to the satisfaction of the Public Works Superintendent.

The successful bidder shall at their own expense, within 10 days of notification of acceptance and prior to the commencement of work, obtain and maintain until the termination of the contract or otherwise stated, provide the Township with evidence of:

Commercial General Liability Insurance

- Commercial General Liability Insurance issued on an occurrence basis for an amount of not less than \$2,000,000 per

occurrence/\$2,000,000 annual aggregate for any negligent acts or omissions by the contractor relating to its obligations under this agreement. Such insurance shall include, but is not limited to, bodily injury and property damage including loss of use; personal injury; contractual liability; premises, property & operations; non-owned automobile; broad form property damage; broad form completed operations; owners & contractors protective; occurrence property damage; products; employees as Additional Insured(s); contingent employers liability; tenants legal liability; cross liability and severability of interest clause. Such insurance shall add the Township of North Stormont as Additional Insured subject to a waiver of subrogation with respect to the operations of the contractor. This insurance shall be contributing with and apply as primary and not as excess of any insurance available to the Township.

Automobile Liability Insurance

- Automobile liability insurance with respect to owned or leased vehicles used directly or indirectly in the performance of the services covering liability for bodily injury, death and damage to property with a limit of not less than \$2,000,000 inclusive for each and every loss. The policies shown above shall not be cancelled unless the Insurer notifies the Township in writing at least thirty (30) days prior to the effective date of the cancellation. The insurance policy will be in a form and with a company which are, in all respects, acceptable to the Township.
- The policies shown above shall not be cancelled unless the Insurer notifies the Township in writing at least thirty (30) days prior to the effective date of the cancellation. The insurance policy will be in a form and with a company which are, in all respects, acceptable to the Township.
- Any and all deductibles applicable to the above noted insurance shall be the sole responsibility of the bidder and the Township shall bear no cost towards such deductible.
- The bidder is responsible to keep their property/assets insured – failure to do so shall not impose any liability on the Township.

- The bidder shall provide the Township with a certificate of insurance in compliance with the insurance requirements as stipulated in the agreement.

Indemnification

- The successful bidder shall defend, indemnify and save harmless the Corporation of the Township of North Stormont, their elected officials, officers, employees and agents from and against any and all claims, actions, losses, expenses, fines, costs (including legal costs), interest or damages of every nature and kind whatsoever, including but not limited to bodily injury or to damage to or destruction of tangible property including loss of revenue arising out of or allegedly attributable to the negligence, acts, errors, omissions, whether willful or otherwise by bidder, their officers, employees, agents, or others who the bidder is legally responsible. This indemnity shall be in addition to and not in lieu of any insurance to be provided by the bidder in accordance with this agreement and shall survive this agreement.

Workers Compensation

- The successful bidder shall comply with the regulations of the Workers Safety Insurance Board of Ontario (WSIB). *The Contractor shall provide proof of coverage to the Township prior to the commencement of work.*

8. Note to the Proponent

The Proponent has carefully examined the provisions, specifications and conditions of this document and has carefully examined the site and location of the work to be done under this contract. The Proponent also understands and accepts the said provisions, specifications and conditions and for the price set forth in this quotation, hereby offers to furnish all labour, equipment, and so on, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, specifications and conditions of this quotation. Quotations shall be open for acceptance for a period of 30 (thirty) days after the closing date. After this time the quotation may only be accepted with the consent of the successful Proponent.

9. Project Contact

For any questions, comments, clarifications or concerns regarding this RFQ, please contact:

Blake Henderson

Public Works Superintendent
15 Union St. Berwick Ontario K0C 1G0
Email: bhenderson@northstormont.ca
Cell: 613-551-0498
Phone: 613-984-2821 ext.227

10. Form of Quotation

I/We (the Proponent) have reviewed the specifications for the RFQ for the Township of North Stormont and agree to undertake the work in a good and workmanlike manner by the specified completion date. I/We have reviewed all the terms and conditions of the forms in this RFQ.

LUMP SUM: _____ (HST INCLUDED)

THE WORK WILL BE COMPLETED ON OR BY: June 1, 2022.

COMPANY NAME: _____

CONTACT: _____

ADDRESS: _____

TELEPHONE: _____ Cell _____

FAX: _____

E-MAIL: _____

Signature

Witness



**St. Lawrence Testing
& Inspection Co. Ltd.**

P.O. Box 997, Cornwall, ON, Canada K6H 5V1
814 Second Street W., Phone (613) 938-2521
E-mail: slt@ontarioeast.net Fax (613) 938-7395

August 27, 2021

Mr. Craig Calder
CAO
Township of North Stormont
15 Union Street,
Berwick, ON
K0C 1G0

**RE: Building located at 4 St. Polycarp St., Moose Creek, ON
Designated Substances Assessment
Report No. 21C393**

Dear Mr. Calder:

In accordance with instructions received from Ms. Nancy-Ann Gauthier, this report is submitted outlining the results of a Designated Substances Assessment carried out in general accordance with O. Reg. 490/09 for the former community centre building located at 4 St. Polycarp Street in Moose Creek, Ontario.

A) INTRODUCTION

The owner of a property or building is required to determine and list any of the designated substances found to be present at the project site. The owner is obligated to submit the list of the designated substances identified on the project site to all prospective contractors of the subject property site. Before

entering into a binding contract, the general contractor for a project must ensure that each prospective contractor and subcontractor for the project has received a copy of the list of designated substances identified for the project site.

The specific substances to be addressed in this report included asbestos, lead, silica, acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, mercury and vinyl chloride.

On August 16, 2021, an environmental technician from St. Lawrence Testing met with Ms. Nancy-Ann Gauthier from the Township of North Stormont on the site. The interior and exterior of the building were assessed. These areas included the basement level, the main floor level and the attic space along with the roof.

The basement level consisted of various functional rooms. Among these was a room that contained an above ground heating oil tank, a boiler room, a furnace room along with common gathering rooms. The interior walls and ceilings were covered in drywall. The flooring was a mixture of carpeting, vinyl sheet flooring and concrete. The lighting was from fluorescent tubes. The ballasts in these fixtures were not inspected to determine if they contained PCBs. PCBs are not considered a designated substance under Ontario Regulation 490/09. It will be necessary to inspect the ballasts during the demolition work to determine if there contain PCBs. This will be indicated on the ballasts themselves.

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Continued

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The appearance of black mould was found in the boiler room as well as the adjoining room with the above ground heating oil tank. Mould is not considered a designated substance under Ontario Regulation 490/09. If required, St. Lawrence Testing is available to sample the dark areas on the drywall for mould along with sampling the ambient air of mould spores.

The main level (2nd floor) consisted of several functional rooms. There was a main hall, 2 washrooms and a kitchen area. The flooring was a mixture of hardwood, 12" x 12" vinyl tile and sheet vinyl flooring. The ceilings were covered in metal tile, 12" x 12" fibrous pinhole tile and 12" by 12" fibrous solid tile. The walls were covered in wood panelling. The lighting was fluorescent.

The attic space was unfinished and contained loose, fiberglass pink insulation along with a thin, paper-like material insulation between some of the roof rafters. There were more metal tiles present as well. The attic space was unlit.

The exterior of the building was covered in brick, parging and metal siding. The peaked portion of the roof was covered in fiberglass shingles. The flat portion of the roof was covered in tar and gravel. The felt under the tar and gravel could not be sampled at this time due to possible leakage.

B) DESIGNATED SUBSTANCES ASSESSMENT

1) Asbestos

Asbestos is a common fire retardant and insulating material. Asbestos has been in use for quite some time now, however, the era from the 1950's to the early 1970's was the largest contributor of asbestos as an insulating material. Friable asbestos (defined as able to powder or crumble using hand pressure) was widely used in fireproofing spray until 1973 and in decorative or finishing plasters and mechanical insulation until the early 1980's. The application of friable asbestos has been deterred in Ontario since 1985.

Ontario Regulation 278/05 requires that a minimum of 3 individual samples of a material are to be analyzed for asbestos. According to the regulation, any material containing >0.5% asbestos is considered an asbestos containing material. All asbestos analyses were conducted by Lex Scientific in Guelph, Ontario.

Three (3) individual samples (S1, S2 & S3) of the vinyl sheet flooring located in the basement level were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S4, S5 & S6) of the drywall material located on the furnace room ceiling in the basement level were collected. The test results determined that this material does not contain asbestos.

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Continued

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Three (3) individual samples (S7, S8 & S9) of the drywall material covering the basement walls were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S10, S11 & S12) of the 12" by 12" beige coloured vinyl floor tiles found on the main floor (2nd floor) were collected. The test results determined that these tile contain 15% Chrysotile asbestos.

Three (3) individual samples (S13, S14 & S15) of the 12" by 12" green coloured vinyl floor tiles found on the main level (2nd floor) were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S16, S17 & S18) of the square fibrous pinhole ceiling tiles on the main level (2nd floor) were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S19, S20 & S21) of the square fibrous solid ceiling tiles on the main level (2nd floor) were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S22, S23 & S24) of the thin, paper-like insulation located in the attic space were collected. The test results determined that this material does not contain asbestos.

Three (3) individual samples (S25, S26 & S27) of the drywall compound in the basement level were collected. The test results determined that this material does not contain asbestos.

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Continued

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Three (3) individual samples (S28, S29 & S30) of the vinyl sheet flooring found under the green vinyl tile on the main level (2nd floor) were collected. The test results determined that this material does not contain asbestos.

The flat portion of the building's roof may contain felt. This material was not sampled at the time of the assessment due to possible leakage into the building. It is recommended that this material be tested for asbestos after the building is closed and no longer being occupied.

A copy of the test results is attached to this report.

2) Lead

Lead may be present in construction materials such as paint, primers, pipe solder along with electrical cable sheathing and lead pipes. Contractors and building occupants run the risk of being exposed to any lead present during construction/demolition where lead is present. Lead exposure may occur through ingestion, inhalation and absorption through the skin. All lead analyses were conducted by Bureau Veritas in Mississauga, Ontario.

There may be a small concentration of lead in any solder pipe joints and electrical wires found in the wall and ceiling cavities.

We believe the quantity of lead is very small in these cases, although it is recommended that protective gloves (i.e. leather or nitrile) be used when handling the electrical wires.

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Continued

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Cans of latex paint were observed in the basement level of the building. These paint colours appeared similar to some of the painted surfaces within the building. These paints would not contain lead. However, there were questionable white and green coloured painted surfaces within the basement level that were sampled for lead content.

A sample (S1) of the white paint on the wood panelling located outside the furnace room was collected for lead analysis. This paint was determined to contain a lead concentration of 61,000 mg/kg or 6.1%.

A sample (S2) of the green paint on the support posts and doors of a common area in the basement was collected for lead analysis. This paint was determined to contain a lead concentration of 37,000 mg/kg or 3.7%.

In 1976, the lead content in interior paint was limited to 0.5% by weight under the federal Hazardous Products Act and in recent years the limit was reduced to 0.009% by weight.

The occupational exposure limit (OEL) for lead as defined in the Ministry's Designated Substance Regulation (O. Reg. 490/09) Table 1 is 0.05 mg/m³ of air as an 8-hour day or 40-hour weekly time-weighted average (TWA).

The paint samples both were found to contain a lead concentration well above 0.009%. These surfaces are considered to contain lead paint. As the area painted on the personnel door is small, it is recommended that the work crew wear the required PPE (N95 dust mask, long sleeve pants and shirts) to prevent coming into contact with any lead dust that may be formed.

A copy of the test results is attached to this report.

3) Silica

Silica is commonly found in construction materials such as drywall, bricks, parging, concrete blocks, concrete, cement, stucco, ceramic tile, mortar, sand/dirt and asphalt. The concrete slab flooring along with any concrete block walls, bricks and mortar and parging have a strong possibility of containing silica.

Silica may be released into the air when this material is moved during renovation or demolition activities. The use of engineering controls, work practices and hygiene facilities are required to ensure a worker's airborne exposure is reduced to the lowest practical level and does not exceed the criteria of 0.05 mg/m³ of air listed in Table 1 of O. Reg. 490/09.

4) Acrylonitrile

Acrylonitrile is a liquid used in the manufacturing of ABS materials, rubbers, plastics and adhesives. O. Reg. 490/09 Table 1 lists a TWA limit for acrylonitrile at 2 ppm. It is unlikely that the materials used to construct the structure on the property would contain levels of acrylonitrile that would exceed this limit.

5) Arsenic

Arsenic is a heavy metal generally found in mining activities and was once found as chromated copper arsenic in pressure treated lumber. O. Reg. 490/09 Table 1 lists a Time-Weighted Average (TWA) limit for arsenic at $0.01\text{mg}/\text{m}^3$ of air. No pressure treated wood was observed at the time of the assessment and it is unlikely that the materials used to construct the structure would contain levels of arsenic that would exceed this limit.

6) Benzene

Benzene is an aromatic hydrocarbon. It is a by-product of petroleum and is commonly found in gasoline and other fuels. O. Reg. 490/09 Table 1 lists a TWA limit for benzene at 0.5 ppm. There is an above ground heating oil tank located in the basement level. It is recommended that this tank be emptied of its contents and removed prior to any demolition.

7) Coke Oven Emissions

Coke oven emissions are normally found in steel manufacturing. O. Reg. 490/09 Table 1 lists a TWA limit for coke oven emissions at $0.15\text{ mg}/\text{m}^3$. It is unlikely that coke oven emissions would be present within the structure.

8) Ethylene Oxide

Ethylene oxide is an organic chemical and is generally found in the petroleum industry. O. Reg. 490/09 Table 1 lists a TWA limit for ethylene oxide at 1 ppm. It is unlikely that ethylene oxide would be present within the structure.

9) Isocyanates

Isocyanates are organic compounds generally used in the production of various forms of plastics, foams and coatings. O. Reg. 490/09 Table 1 lists a TWA limit for isocyanates at 0.005 ppm. It is unlikely that any isocyanates would be present within the structure.

10) Mercury

Mercury is a heavy metal that may be present in small quantities within older thermostats, batteries, fluorescent tube lights and thermometers. Ontario Regulation 490/09 Table 1 lists a TWA limit for mercury at 0.025 mg/m³. It is unlikely that any mercury within the fluorescent lighting of the building would contain a high enough concentration to pose a risk to workers wearing the necessary personal protective equipment required for demolition. It is recommended that the fluorescent light tubes along with the compact fluorescent bulbs be disposed of according to local by-laws.

11) Vinyl Chloride

Vinyl chloride is generally used in resin manufacturing. O. Reg. 490/09 Table 1 lists a TWA limit for vinyl chloride at 1 ppm. It is unlikely that vinyl chloride would be present within the structure.

C) CONCLUSIONS

We have completed a Designated Substances Assessment for the building located at 4 St. Polycarp Street in Moose Creek, Ontario. On the basis of the programme conducted, the following conclusions have been made.

- 15% Chrysotile asbestos was found in the beige coloured floor tiles on the main level (2nd floor) of the building. These tiles were found in both the men's and ladies bathrooms. It is recommended that these tiles be removed and disposed of accordingly before any demolition is performed.
- The flat portion of the roof was not sampled for asbestos at this time.
- Lead was determined to be present in both the white (6.1%) and green paint (3.7%) located in the basement. This concentration exceeds the level of 0.009% now limited for paint. However, as the painted areas are small, it is recommended that the work crew wear the required PPE (N95 dust mask, long sleeve pants and shirts) to prevent coming into contact with any lead dust that may be formed.

- Silica is believed to be present in the drywall, drywall compound, brick, mortar, parging and concrete slab floors. Silica may be released into the environment from demolition/renovation activities in a concentration that exceeds O. Reg. 490/09 criteria (Quartz/Tripoli: 0.10 mg per cubic meter of air; Cristobalite: 0.05 mg per cubic meter of air). All necessary measures and procedures by means of engineering controls, work practices and hygiene facilities are required to ensure a worker's airborne exposure is reduced to the lowest practical level and does not exceed the criteria.
- There may be a small concentration of mercury found within the fluorescent lights. These will need to be handled and disposed of according to local by-laws
- The appearance of black mould was observed in the basement. It is recommended that this be sampled along with determining the spore counts inside the building.
- The fluorescent lighting ballasts were not inspected. These should be examined prior to demolition to determine if any contain PCBs.

D) LIMITATIONS

The environmental investigation was carried out to address the intent of applicable provincial guidelines. Achieving the objectives stated in the report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was

exercised in gathering and analyzing the information obtained and in the formulation of the conclusions. Like all professional persons rendering advice we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

Our undertaking is to perform our work within the limits prescribed by our clients, with the usual thoroughness and competence of the engineering profession. It is intended that the outcome of this investigation assists in reducing the client's risks associated with environmental impairment; our work should not be considered "risk mitigation". No other warranty expressed or implied, is included or intended in this report.

The information presented in this report is based on a limited investigation designed to provide information to support an overall assessment of the current environmental conditions in the building on the subject property. The conclusions and recommendations presented in this report reflect existing site conditions within the scope of our investigation.

This report was prepared for the exclusive use for The Township of North Stormont as per the agreement and terms of reference between The Township of North Stormont and St. Lawrence Testing & Inspection Co. Ltd. Any use and interpretation of this report by any other party is entirely at their own risk.

**St. Lawrence Testing
& Inspection Co. Ltd.**

Report No. 21C393
Continued

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Respectfully submitted

ST. LAWRENCE TESTING & INSPECTION CO. LTD.



G.G. McIntee, P. Eng.

GGM:sr

Attachments





Photo 1: Location of samples S1, S2 and S3 (vinyl sheet flooring in basement) for asbestos testing. This material did not contain asbestos.

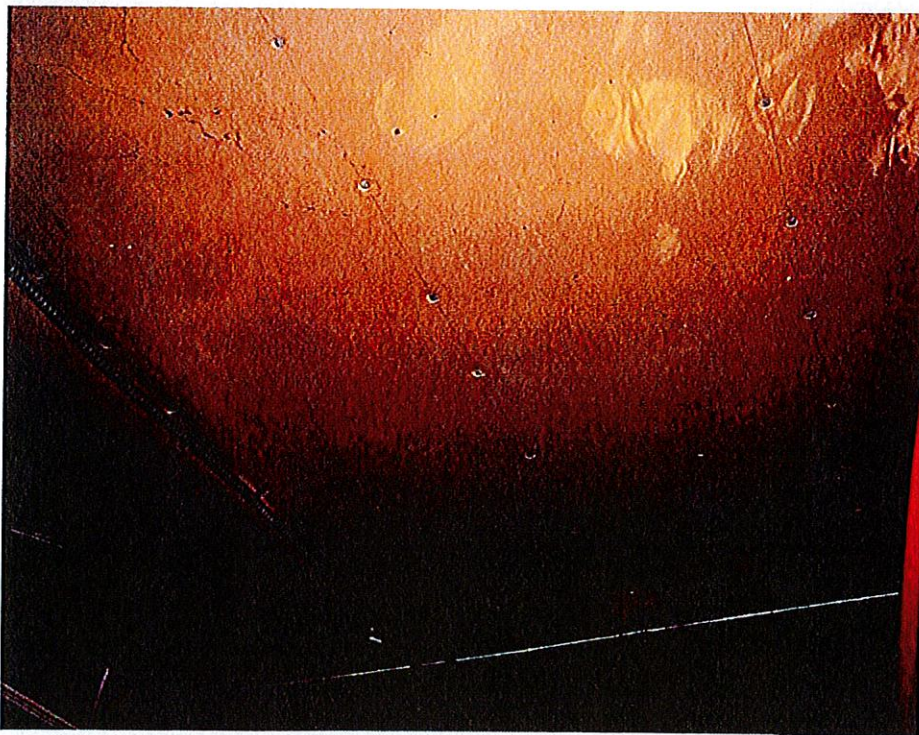


Photo 2: Location of samples S4, S5 and S6 (drywall ceiling in furnace room) for asbestos testing. This material did not contain asbestos.



Photo 3: Location of samples S7, S8 and S9 (drywall in basement) for asbestos testing. This material did not contain asbestos.

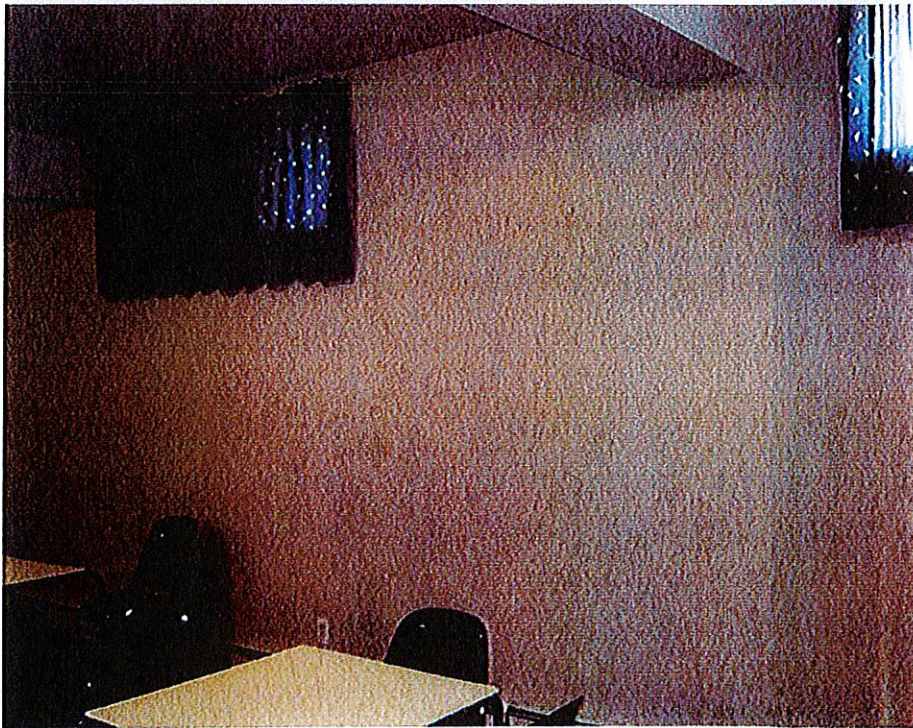


Photo 4: Location of samples S7, S8 and S9 (drywall in basement) for asbestos testing. This material did not contain asbestos.

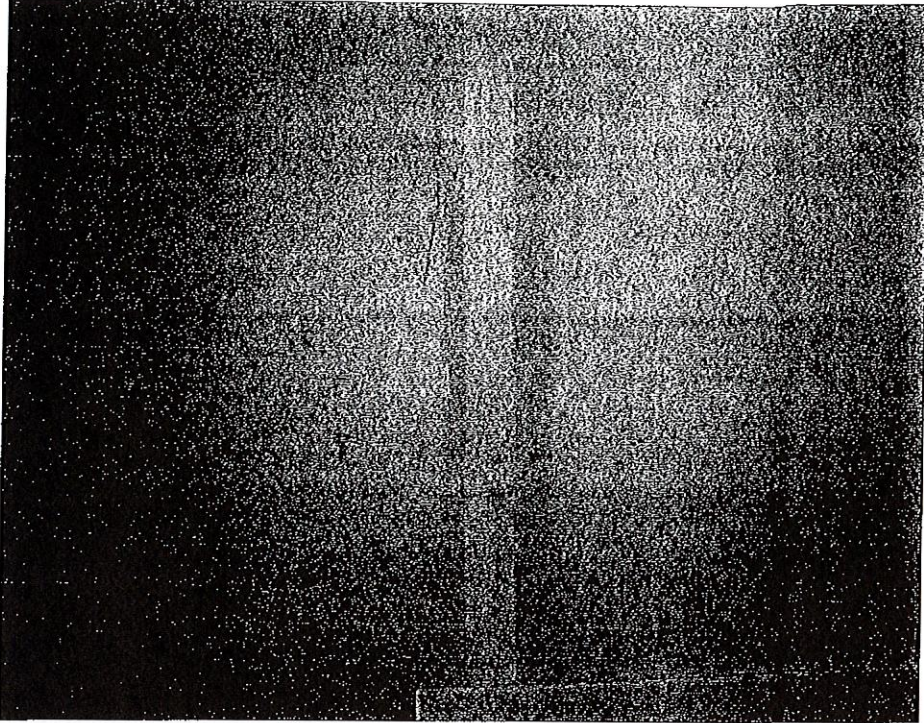


Photo 5: Location of samples S7, S8 and S9 (drywall in basement) for asbestos testing. This material did not contain asbestos.

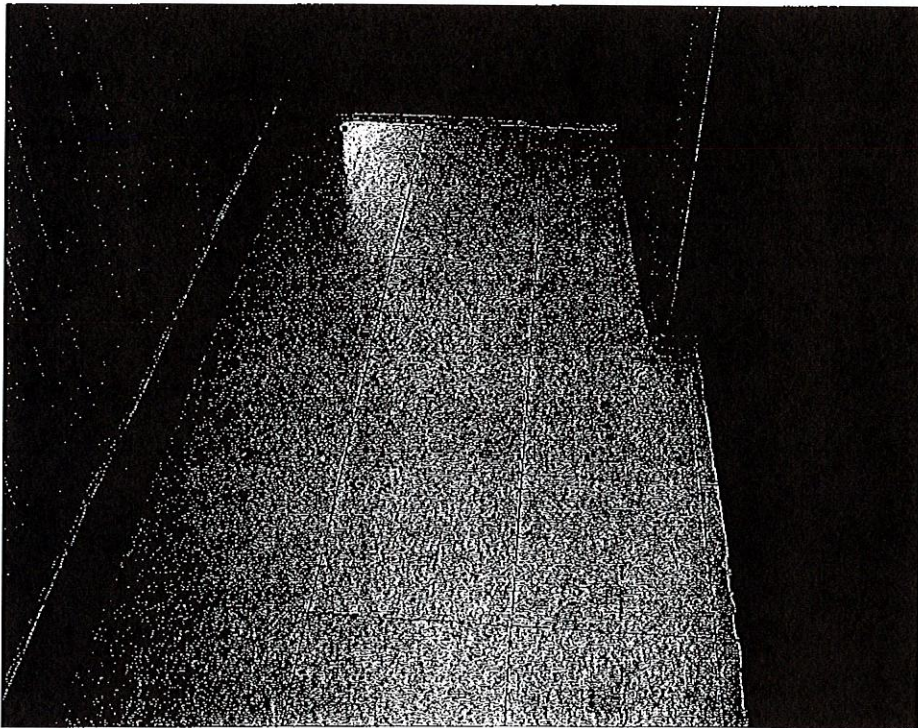


Photo 6: Location of samples S10, S11 and S12 (beige, floor tiles, main level, 2nd floor) for asbestos testing. These tiles were found to contain 20 to 25% Chrysotile asbestos.



Photo 7: Location of samples S13, S14 and S15 (green, floor tiles, 2nd floor) and S28, S29 & S30 (vinyl sheet flooring) for asbestos testing. This material did not contain asbestos.

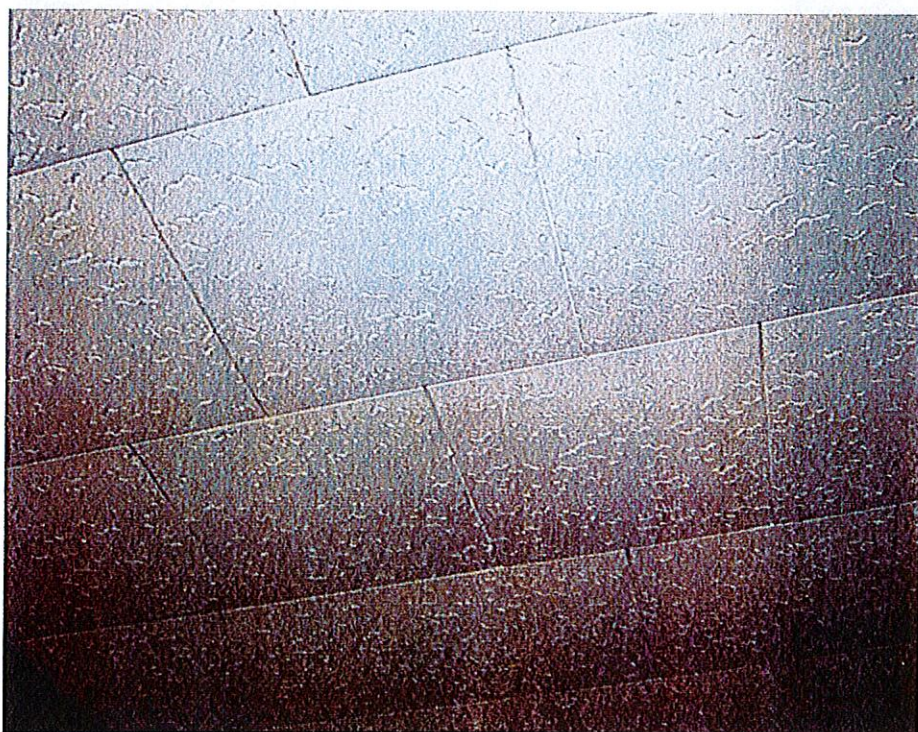


Photo 8: Location of samples S16, S17 and S18 (pin hole ceiling tiles, 2nd floor) for asbestos testing. This material did not contain asbestos.



Photo 9: Heating oil tank located in the basement. Possible benzene present.



Photo 10: Possible black mould found on the drywall in the basement.



Photo 11: Possible black mould found on the drywall in the basement.



Photo 12: Blown in, loose fiberglass insulation found in the attic space.

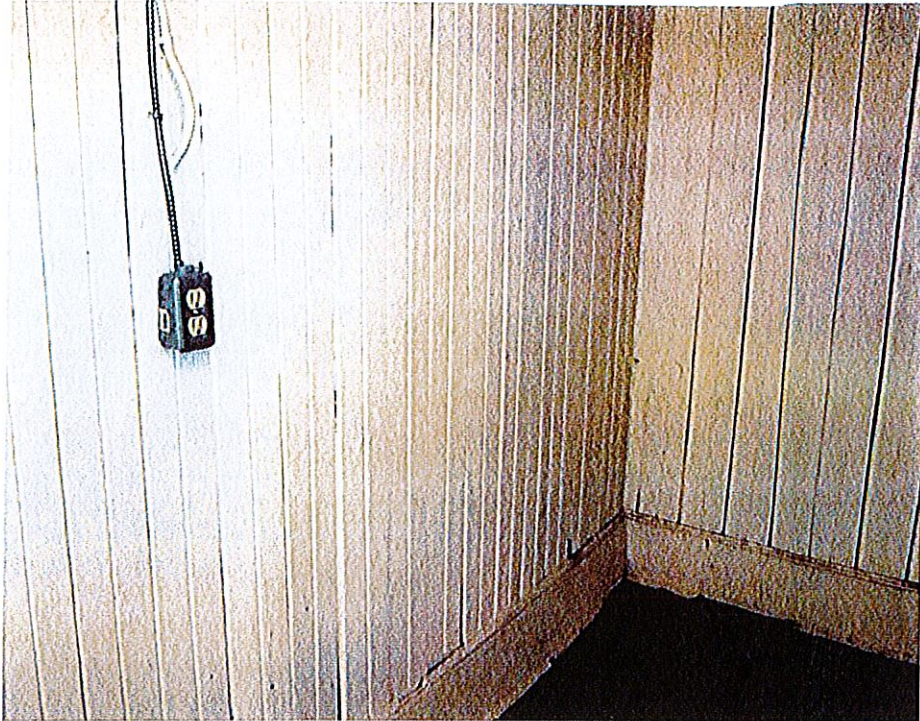


Photo 13: Location of paint sample S1 (white paint on panelling in basement) for lead analysis. This paint contains 6.1% lead.

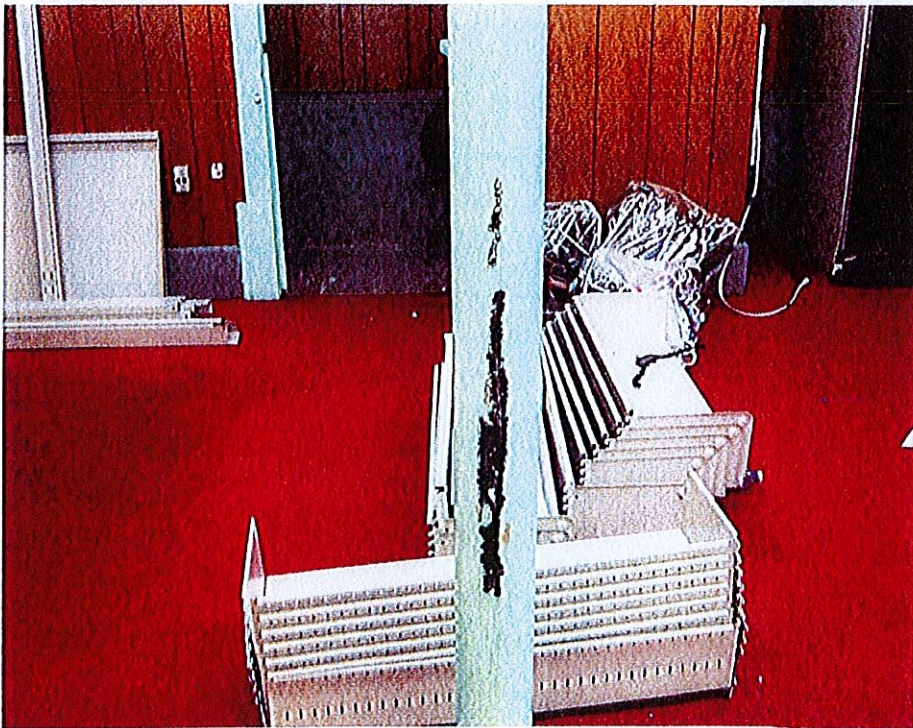


Photo 14: Location of paint sample S2 (green paint on pillar and doors in basement) for lead analysis. This paint contains 3.7% lead.

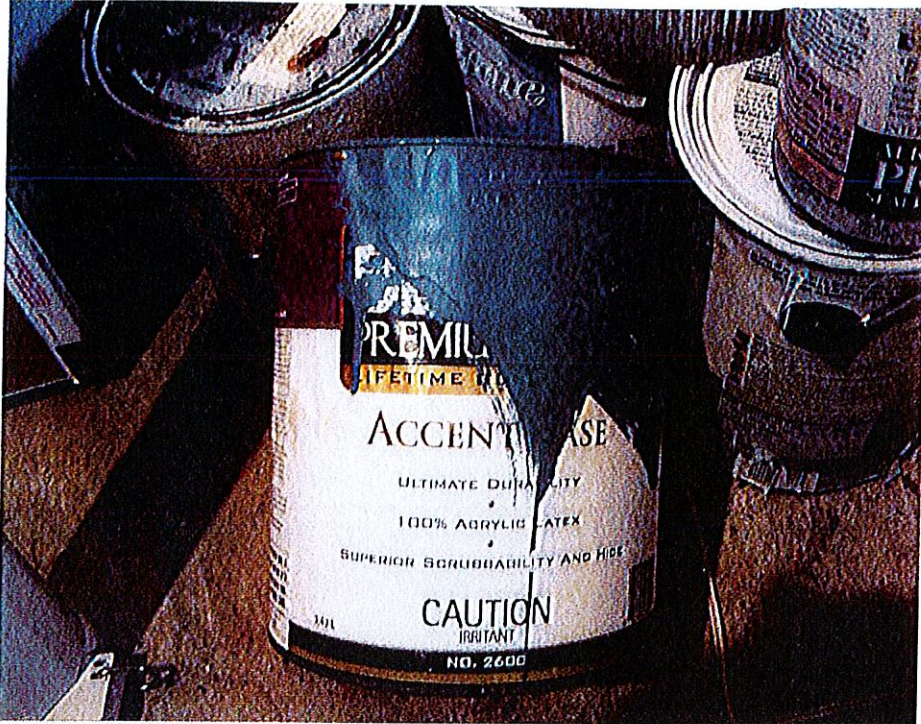


Photo 15: Latex paints used in painting the basement walls.

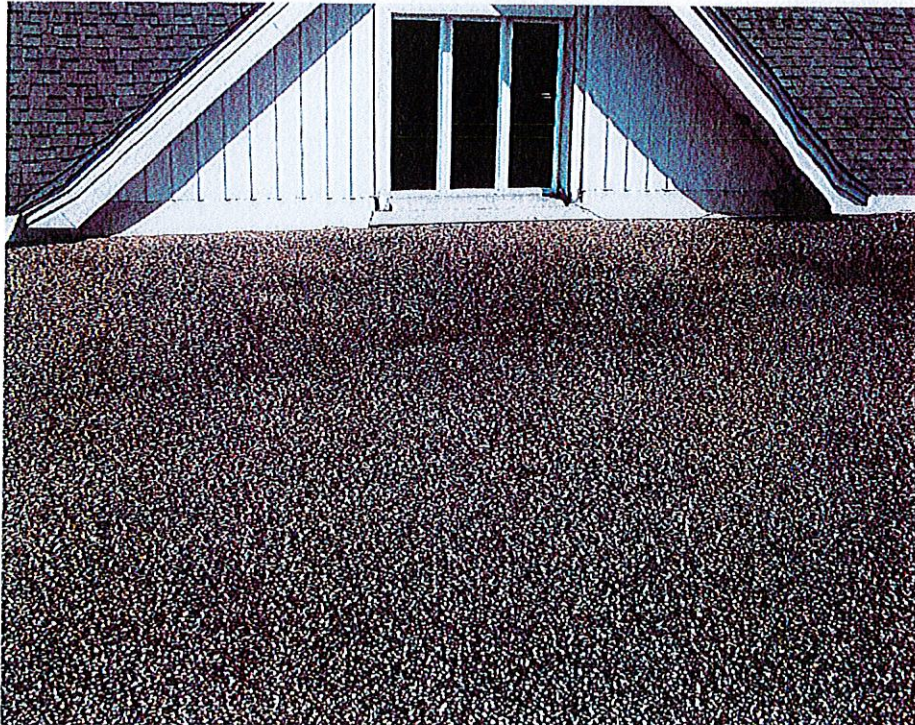


Photo 16: View of the tar and gravel roof (not sampled due to possible future leakage).



CERTIFICATE OF ANALYSIS

Company: St. Lawrence Testing & Inspection Co. Ltd. Report Date: 26-Aug-21
Contact: Mr. Gilbert McIntee Analysis Date: 26-Aug-21
Client Address: 814 Second Street West, PO Box 997, CORNWALL, O Received Date: 19-Aug-21
Client Reference: Twp North Stormont 4 Polycarp St. Moose C LEX Project Number: 08211397
Sampling Date: 16-Aug-21 Number of Analyses: 37

Analysis Requested Bulk Asbestos by PLM

Page 1 of 8

Analysis was performed in accordance with the method EPA/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials adopted in Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations - made under the Occupational Health and Safety Act Ontario Regulation 278/05. LEX Scientific Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP 101949) by the National Institute of Standards and Technology for analysis of bulk materials for asbestos.

German Leal, B.Sc.
Laboratory Manager

Table with 2 main columns: Fibrous Asbestos Content % and Other Materials Content %. It contains two rows of analysis results for Client Sample S1, detailing asbestos types (Chrysotile, Amosite, Crocidolite, Other Amphiboles) and other materials (Cellulose, MMVF, Other Fibres, Non-Fibrous).

Other Amphiboles: ac=actinolite, a=anthophyllite, t=tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst [Signature]

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291 Woodlawn Road West, Unit B-12, Guelph, Ontario, N1H 7L6

1.800.824.7082

e-mail: admin@lexscientific.com Website: https://lexscientific.com

	Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S2	Asbestos Detected? <u>No</u>	
LEX Sample: 02.1	Chrysotile: None Detected	Cellulose: 20
Layers Analyzed: Flooring	Amosite: None Detected	MMVF: None Detected
Colour: Brown/Grey	Crocidolite: None Detected	Other Fibres: None Detected
Description: Vinyl Sheet Flooring, Basement	Other Amphiboles: None Detected	Non-Fibrous: 80
	Comments: N/A	
Client Sample: S2	Asbestos Detected? <u>No</u>	
LEX Sample: 02.2	Chrysotile: None Detected	Cellulose: None Detected
Layers Analyzed: Mastic	Amosite: None Detected	MMVF: None Detected
Colour: Yellow	Crocidolite: None Detected	Other Fibres: None Detected
Description: Vinyl Sheet Flooring, Basement	Other Amphiboles: None Detected	Non-Fibrous: 100
	Comments: N/A	
Client Sample: S3	Asbestos Detected? <u>No</u>	
LEX Sample: 03.1	Chrysotile: None Detected	Cellulose: 20
Layers Analyzed: Flooring	Amosite: None Detected	MMVF: None Detected
Colour: Brown/Grey	Crocidolite: None Detected	Other Fibres: None Detected
Description: Vinyl Sheet Flooring, Basement	Other Amphiboles: None Detected	Non-Fibrous: 80
	Comments: N/A	
Client Sample: S3	Asbestos Detected? <u>No</u>	
LEX Sample: 03.2	Chrysotile: None Detected	Cellulose: None Detected
Layers Analyzed: Mastic	Amosite: None Detected	MMVF: None Detected
Colour: Yellow	Crocidolite: None Detected	Other Fibres: None Detected
Description: Vinyl Sheet Flooring, Basement	Other Amphiboles: None Detected	Non-Fibrous: 100
	Comments: N/A	
Client Sample: S4	Asbestos Detected? <u>No</u>	
LEX Sample: 04	Chrysotile: None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite: None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite: None Detected	Other Fibres: None Detected
Description: Drywall Ceiling, Furnace Room	Other Amphiboles: None Detected	Non-Fibrous: 85
	Comments: N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t-tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst 

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e-mail: admin@lexscientific.com Website: https://lexscientific.com

		Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S5	Asbestos Detected?	No	
LEX Sample: 05	Chrysotile:	None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite:	None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Ceiling, Furnace Room	Other Amphiboles:	None Detected	Non-Fibrous: 85
	Comments:	N/A	
Client Sample: S6	Asbestos Detected?	No	
LEX Sample: 06	Chrysotile:	None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite:	None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Ceiling, Furnace Room	Other Amphiboles:	None Detected	Non-Fibrous: 85
	Comments:	N/A	
Client Sample: S7	Asbestos Detected?	No	
LEX Sample: 07	Chrysotile:	None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite:	None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Basement	Other Amphiboles:	None Detected	Non-Fibrous: 85
	Comments:	N/A	
Client Sample: S8	Asbestos Detected?	No	
LEX Sample: 08.1	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Joint Compound	Amosite:	None Detected	MMVF: None Detected
Colour: White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Basement	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: S8	Asbestos Detected?	No	
LEX Sample: 08.2	Chrysotile:	None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite:	None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Basement	Other Amphiboles:	None Detected	Non-Fibrous: 85
	Comments:	N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t-tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst 

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	Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S9	Asbestos Detected? <u>No</u>	
LEX Sample: 09	Chrysotile: None Detected	Cellulose: 15
Layers Analyzed: Drywall	Amosite: None Detected	MMVF: None Detected
Colour: Grey/Brown	Crocidolite: None Detected	Other Fibres: None Detected
Description: Drywall Basement	Other Amphiboles: None Detected	Non-Fibrous: 85
	Comments: N/A	
Client Sample: S10	Asbestos Detected? <u>No</u>	
LEX Sample: 10.1	Chrysotile: None Detected	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite: None Detected	MMVF: None Detected
Colour: Beige	Crocidolite: None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles: None Detected	Non-Fibrous: 100
	Comments: N/A	
Client Sample: S10	Asbestos Detected? <u>No</u>	
LEX Sample: 10.2	Chrysotile: None Detected	Cellulose: None Detected
Layers Analyzed: Mastic	Amosite: None Detected	MMVF: None Detected
Colour: Black	Crocidolite: None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles: None Detected	Non-Fibrous: 100
	Comments: N/A	
Client Sample: S11	Asbestos Detected? <u>Yes</u>	
LEX Sample: 11.1	Chrysotile: 15	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite: None Detected	MMVF: None Detected
Colour: Beige	Crocidolite: None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles: None Detected	Non-Fibrous: 85
	Comments: This sample meets the definition of "asbestos containing material" according to Ontario Regulation 278/05.	
Client Sample: S11	Asbestos Detected? <u>No</u>	
LEX Sample: 11.2	Chrysotile: None Detected	Cellulose: None Detected
Layers Analyzed: Mastic	Amosite: None Detected	MMVF: None Detected
Colour: Black	Crocidolite: None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles: None Detected	Non-Fibrous: 100
	Comments: N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t=tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst



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1.800.824.7082

e-mail: admin@lexscientific.com Website: <https://lexscientific.com>

		Fibrous Asbestos Content %	Other Materials Content %
Client Sample: <u>S12</u>	Asbestos Detected?	Yes	
LEX Sample: 12.1	Chrysotile:	15	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Beige	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles:	None Detected	Non-Fibrous: 85
	Comments:	This sample meets the definition of "asbestos containing material" according to Ontario Regulation 278/05.	
Client Sample: <u>S12</u>	Asbestos Detected?	No	
LEX Sample: 12.2	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Mastic	Amosite:	None Detected	MMVF: None Detected
Colour: Black	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Beige Floor Tile, 2nd Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: <u>S13</u>	Asbestos Detected?	No	
LEX Sample: 13	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Green	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Green Floor Tile, 2nd Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: <u>S14</u>	Asbestos Detected?	No	
LEX Sample: 14	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Green	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Green Floor Tile, 2nd Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: <u>S15</u>	Asbestos Detected?	No	
LEX Sample: 15	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Floor Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Green Floor Tile, 2nd Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t=tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst 

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e-mail: admin@lexscientific.com Website: <https://lexscientific.com>

		Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S16	Asbestos Detected?	No	
LEX Sample: 16	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Pin Hole	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S17	Asbestos Detected?	No	
LEX Sample: 17	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Pin Hole	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S18	Asbestos Detected?	No	
LEX Sample: 18	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Pin Hole	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S19	Asbestos Detected?	No	
LEX Sample: 19	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Solid	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S20	Asbestos Detected?	No	
LEX Sample: 20	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Solid	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t-tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst 

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1.800.824.7082

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		Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S21	Asbestos Detected?	No	
LEX Sample: 21	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Ceiling Tile	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Ceiling Tile, Solid	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S22	Asbestos Detected?	No	
LEX Sample: 22	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Paper	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Paper Attic Insulation	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S23	Asbestos Detected?	No	
LEX Sample: 23	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Paper	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Paper Attic Insulation	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S24	Asbestos Detected?	No	
LEX Sample: 24	Chrysotile:	None Detected	Cellulose: 100
Layers Analyzed: Paper	Amosite:	None Detected	MMVF: None Detected
Colour: Brown	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Paper Attic Insulation	Other Amphiboles:	None Detected	Non-Fibrous: None Detected
	Comments:	N/A	
Client Sample: S25	Asbestos Detected?	No	
LEX Sample: 25	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Joint Compound	Amosite:	None Detected	MMVF: None Detected
Colour: White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Compound, 1st Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t=tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, Min. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst



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		Fibrous Asbestos Content %	Other Materials Content %
Client Sample: S26	Asbestos Detected?	No	
LEX Sample: 26	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Joint Compound	Amosite:	None Detected	MMVF: None Detected
Colour: White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Compound, 1st Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: S27	Asbestos Detected?	No	
LEX Sample: 27	Chrysotile:	None Detected	Cellulose: None Detected
Layers Analyzed: Joint Compound	Amosite:	None Detected	MMVF: None Detected
Colour: White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Drywall Compound, 1st Floor	Other Amphiboles:	None Detected	Non-Fibrous: 100
	Comments:	N/A	
Client Sample: S28	Asbestos Detected?	No	
LEX Sample: 28	Chrysotile:	None Detected	Cellulose: 90
Layers Analyzed: Flooring	Amosite:	None Detected	MMVF: None Detected
Colour: Brown/White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Sheet Vinyl Flooring	Other Amphiboles:	None Detected	Non-Fibrous: 10
	Comments:	N/A	
Client Sample: S29	Asbestos Detected?	No	
LEX Sample: 29	Chrysotile:	None Detected	Cellulose: 90
Layers Analyzed: Flooring	Amosite:	None Detected	MMVF: None Detected
Colour: Brown/White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Sheet Vinyl Flooring	Other Amphiboles:	None Detected	Non-Fibrous: 10
	Comments:	N/A	
Client Sample: S30	Asbestos Detected?	No	
LEX Sample: 30	Chrysotile:	None Detected	Cellulose: 90
Layers Analyzed: Flooring	Amosite:	None Detected	MMVF: None Detected
Colour: Brown/White	Crocidolite:	None Detected	Other Fibres: None Detected
Description: Sheet Vinyl Flooring	Other Amphiboles:	None Detected	Non-Fibrous: 10
	Comments:	N/A	

Other Amphiboles: ac=actinolite, a=anthophyllite, t=tremolite, u=unidentified
MMVF: Man Made Vitreous Fibres: Fibreglass, M n. Wool, Rockwool, Glasswool
PLM - method detection limit is 0.1%

Analyst 

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1.800.824.7082

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Your Project #: COMMUNITY CENTRE
 Site Location: 4 ST. POLYCARP ST., MOOSE CREEK
 Your C.O.C. #: n/a

Attention: Gib McIntee
 St Lawrence Testing & Inspection Co Ltd

 814 Second St W
 PO Box 997
 Cornwall, ON
 CANADA K6H 5V1

Report Date: 2021/08/19
 Report #: R6773020
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1N4313
 Received: 2021/08/17, 09:30
 Sample Matrix: Paint
 # Samples Received: 2

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Date		
Metals in Paint (1)	2	2021/08/19	2021/08/19 CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga



Your Project #: COMMUNITY CENTRE
Site Location: 4 ST. POLYCARP ST., MOOSE CREEK
Your C.O.C. #: n/a

Attention: Gib McIntee
St Lawrence Testing & Inspection Co Ltd

814 Second St W
PO Box 997
Cornwall, ON
CANADA K6H 5V1

Report Date: 2021/08/19
Report #: R6773020
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1N4313
Received: 2021/08/17, 09:30

Encryption Key

Hongmei Zhao (Grace)
Project Manager
19 Aug 2021 18:11:15

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Jolanta Goralczyk, Project Manager
Email: Jolanta.Goralczyk@bureauveritas.com
Phone# (905)817-5751

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BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



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BV Labs Job #: C1N4313
Report Date: 2021/08/19

St Lawrence Testing & Inspection Co Ltd
Client Project #: COMMUNITY CENTRE
Site Location: 4 ST. POLYCARP ST., MOOSE CREEK
Sampler Initials: SR

ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)

BV Labs ID		QKH023	QKH023	QKH024		
Sampling Date		2021/08/16 10:00	2021/08/16 10:00	2021/08/16 10:15		
COC Number		n/a	n/a	n/a		
	UNITS	S1	S1 Lab-Dup	S2	RDL	QC Batch
Metals						
Lead (Pb)	mg/kg	61000	60000	37000	100	7529341
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate						



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BV Labs Job #: C1N4313
Report Date: 2021/08/19

St Lawrence Testing & Inspection Co Ltd
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Site Location: 4 ST. POLYCARP ST., MOOSE CREEK
Sampler Initials: SR

TEST SUMMARY

BV Labs ID: QKH023
Sample ID: S1
Matrix: Paint

Collected: 2021/08/16
Shipped:
Received: 2021/08/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	7529341	2021/08/19	2021/08/19	Jolly John

BV Labs ID: QKH023 Dup
Sample ID: S1
Matrix: Paint

Collected: 2021/08/16
Shipped:
Received: 2021/08/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	7529341	2021/08/19	2021/08/19	Jolly John

BV Labs ID: QKH024
Sample ID: S2
Matrix: Paint

Collected: 2021/08/16
Shipped:
Received: 2021/08/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	7529341	2021/08/19	2021/08/19	Jolly John



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Site Location: 4 ST. POLYCARP ST., MOOSE CREEK
Sampler Initials: SR

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	7.3°C
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Sample QKH023 [S1] : Metals: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample QKH024 [S2] : Metals: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.



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BV Labs Job #: C1N4313
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St Lawrence Testing & Inspection Co Ltd
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Sampler Initials: SR

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
7529341	JOH	Matrix Spike [QKH023-01]	Lead (Pb)	2021/08/19		NC	%	75 - 125
7529341	JOH	QC Standard	Lead (Pb)	2021/08/19		99	%	75 - 125
7529341	JOH	Method Blank	Lead (Pb)	2021/08/19	ND, RDL=1.0		mg/kg	
7529341	JOH	RPD [QKH023-01]	Lead (Pb)	2021/08/19	1.9		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)



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Sampler Initials: SR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

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