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Pre-Demolition NESHAP Building Inspection

Site:

373 Champlain Street
Berlin, NH

Prepared for:

Ms. Pamela Laflamme
City of Berlin
168 Main Street
Berlin, NH 03570

Prepared by:

Calex Environmental, LLC
PO Box 236
Colebrook, NH 03576
(603) 237-9399

Inspection Date: May 23, 2023

Report Date: June 25, 2023

Calex Project: BER-22-002A/B



June 25, 2023

Calex Project: BER-22-002A/B

Ms. Pamela Laflamme
City of Berlin
168 Main Street
Berlin, NH 03570

Emailed: plaflamme@berlinnh.gov

(603) 752-8587

**Re: Pre-Demolition Building Inspection
Residential Multi-Family Building
373 Champlain Street, Berlin, NH (the Site)**

Dear Ms. Laflamme:

Calex Environmental, LLC (Calex) is pleased to provide you with the attached pre-demolition building inspection report for the above referenced Site. The building inspection and this report fulfill the requirements applicable to a NESHAP pre-demolition asbestos inspection and in addition, provide an assessment for other targeted and potentially hazardous materials, i.e. the RCRA (Resource Conservation Recovery Act) metal lead. The report includes procedures, methodologies and analytical laboratory results.

Pre-demolition notifications to local, State and/or Federal regulatory agencies have not been completed by Calex and are the responsibility of the building owner. Prior to initiation of any demolition activities, all identified ACBM (Asbestos Containing Building Materials) must be properly removed (abated) from the building structure.

Calex appreciates the opportunity to perform these services for you and values you as a client. If you require any assistance with the implementation of any recommendations or the completion of the notification requirements, please feel free to contact me.

Sincerely,
Calex Environmental, LLC

A handwritten signature in black ink that reads "Ronald T. Guerin". The signature is written in a cursive style.

Ronald T. Guerin
President



**PRE-DEMOLITION NESHAP
BUILDING INSPECTION**

PREPARED FOR:

Ms. Pamela Laflamme
City of Berlin
168 Main Street
Berlin, NH 03570

PROJECT LOCATION:

Multi-Family Residence
373 Champlain Street
Berlin, New Hampshire

Report Date: June 25, 2023

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**PRE-DEMOLITION
NESHAP ASBESTOS INSPECTION**
for
Multi-Family Residential Building
373 Champlain Street, Berlin, NH (the Site)

SECTION 1: NESHAP PRE-DEMOLITION ASBESTOS INSPECTION

1 INSPECTION SUMMARY

- Asbestos Containing Materials (ACM) were not identified at the Site.
- Asbestos Containing Materials (ACM) **were identified** at the Site.

Refer to Section 4.3 below for additional information.

2 SCOPE OF SERVICES

The purpose of this portion of the project was to perform a National Emission Standards for Hazardous Air Pollutants, (NESHAP), pre-demolition asbestos inspection at the above referenced Site which consists of a single, unoccupied, 3-story, multi-family residential building.

Calex conducted a thorough asbestos survey at the identified building in accordance with the proposed scope of services and as outlined below:

- a. Review of any existing asbestos reports relating to the site, if available.
Note: No existing reports are known to exist.
- b. Survey the Site building.
- c. Identify accessible suspect asbestos containing materials (ACM) in accordance with the US EPA National Emission Standard for Hazardous Air Pollutants (NESHAP), (Ref.: 40 CFR, Part 61).
- d. Collect and analyze bulk samples of suspect materials.
- e. Quantify any asbestos containing materials and record location.

3 GENERAL SITE CONDITIONS

The Site building consists of an unoccupied, ±40-Ft. x ±35-Ft. (nominal, with porches), 3-story, wood framed three family residence. Each of the three floors has a similar layout comprised of a kitchen, den, living room, two bedrooms and attached shed. A corner of the basement contains an additional bedroom associated with the first-floor residence. The building structure is estimated to have been constructed circa 1910 and has undergone a number of renovations over the ensuing years.

Finished wall surfaces consist of plaster on lath; plaster skin coat on cellulose panels (i.e., Homosote) and/or drywall panels with applied joint compound. Some of the drywalled areas were constructed over the former plaster/lath finishes.

Ceilings are constructed with similar finishing materials as the wall surfaces, i.e., plaster, plaster on cellulose and/or drywall. Flooring materials include hardwood flooring and resilient flooring materials.

The exterior of the building is covered with wooden shakes applied over a layer of building paper and boards. Window units have in large part been updated with vinyl replacement units that do not incorporate putty glazing, however a few glazed units remain. Wrap around porches constructed along the street side and a portion of the north side of the building are present on all three floors. The building roof is flat and covered with asphalt roofing, multiple layers of roofing (± 4 layers) were observed. Areas of the third floor shed roof are covered with asphalt shingles. The attic floor and exterior walls are insulated with loose fill insulation.

The building is constructed on a full height concrete foundation. An oil-fired hot water boiler is located in the basement space. A masonry chimney rises from the basement and extends through the building penetrating the building roof.

A number of smoke alarms (i.e. potentially containing radioactive material) and thermostats (containing mercury) were observed in the building. When these items were observed, they were removed and placed nearby the kitchen sinks of the respective units. These hazardous material containing devices should be removed prior to commencement of any building demolition and should be properly disposed of.

4 ASBESTOS INSPECTION REPORT

On May 23, 2023, the building structures located at the Site were inspected for asbestos containing building materials by inspector Ronald Guerin of Calnex Environmental, LLC. Mr. Guerin has completed the requisite training for asbestos accreditation as an inspector at an approved training provider under TSCA Title II. Mr. Guerin's State of New Hampshire Asbestos Inspector license number is AI000401 having an expiration date of October 5, 2023. Inspector credentials are provided in **Appendix A**.

The building structure was visually inspected for the presence of suspect asbestos containing materials (ACM). Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, metal, etc.) were not sampled. "Presumed Asbestos Containing Materials" (PACM), were not identified as part of the NHSHAP inspection. The asbestos inspection consisted of three basic steps: 1) a visual inspection of the Site; 2) a determination of homogeneous areas with suspect surfacing, thermal system insulation, and miscellaneous materials; and 3) sampling or presumption of friable and non-friable suspect ACM materials.

4.1 Homogeneous Areas

Prior to sampling, homogeneous areas were identified in order to facilitate a sampling strategy. A homogeneous sampling area can be described as one or more areas with suspect material similar in appearance and texture that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, dependent upon material type and the professional judgment of the inspector.

4.2 Sampling Strategy

The sampling strategy incorporated certain AHERA requirements, site specific

determination of the quantities of suspect material, and the inspector's judgment to aid in the identification of suspect asbestos containing materials. Calnex's sampling strategy was to identify and collect suspect asbestos containing materials (ACM) in accordance with the USEPA National Emission Standard for Hazardous Air Pollutants (NESHAP), (ref.: 40 CFR, Part 61). If the analytical results indicated that all the samples collected per homogeneous area did not contain asbestos, then the homogeneous area (material) was considered to be non-asbestos containing. However, if the analytical results of one or more of the samples collected per homogeneous area indicated that asbestos was present in quantities greater than one percent asbestos (as defined by EPA), all of the homogeneous area (material) was treated as an asbestos containing material regardless of any other analytical results. Materials which were visually determined to be non-asbestos (i.e. fibrous glass, foam rubber, metal etc.) by the accredited inspector were not required to be sampled. Actual collection of a bulk asbestos sample involves physically removing approximately one square inch (1 in²) of material and placing it in an airtight sample container. Sample containers were marked with a unique identification number, which was documented in the field notes.

The attached **Table 1** provides a summary of the suspected asbestos containing building materials that were sampled and subjected to laboratory analysis.

4.3 Asbestos Containing Materials

Materials containing more than 1% asbestos are classified as asbestos containing materials, (ACM). The following ACM was identified at the Site:

- a. Asphalt roofing mastic/cement applied to the building chimney and portions of the asphalt roofing, (Line #10, Sample #E-1) was determined to contain 5% – 9.3% chrysotile asbestos. All asphalt roofing mastic/cement associated with the building are classified as ACM.
- b. Asphalt roofing on the building roof (Line #15, Sample #E-7; Line #16, Sample #E-8) was determined to contain 2% to 6.8% chrysotile asbestos.
- c. Window glazing material (Line #25, Sample #E-20) was determined to contain 2% chrysotile asbestos. All window glazing's associated with the building are classified as ACM.
- d. Plaster on lath and plaster (skim coat) applied to cellulose (e.g. Homosote) building board, (Line #41, Sample #1-11; Line #44 , Sample #1-14; Line #66, Sample #2-14; Line #67 , Sample #2-15; Line #69, Sample #2-17; Line #96, Sample 3-23; Line #100, Sample #3-29) located on walls and ceilings throughout the building were determined to contain 1.5% and 3% chrysotile asbestos. All plaster and skim coatings are classified as ACM.

The attached **Table 2** provides a summary of the suspect asbestos containing materials that have been determined through laboratory analysis to have >1% asbestos content or are presumed to have >1% asbestos content.

4.4 Other Materials Containing Asbestos

Building materials containing greater than 0% asbestos content, but equal to or less than

1% ($\leq 1\%$ ACM) were identified at the site. Materials containing less than 1% asbestos or less are not classified as ACM by the NESHAP (40 CFR, Part 61) and are not addressed within the scope of this report. However, it should be noted that materials containing $>0\%$ asbestos content may still be subject to worker protection regulations under the Occupational Safety and Health Administration (OSHA), i.e., 29 CFR 1910.1001 and 29 CFR 1926.1101 as these materials may still pose a potential health hazard.

- a. All of the samples determined to contain $\leq 1\%$ asbestos were identified within homogeneous areas of ACM. Consequently, these materials are treated as ACM, (i.e., $>1\%$).

4.5 Laboratory Analytical Results

Bulk samples were analyzed by Hayes Microbial Consulting (Hayes)¹, 3005 E. Boundary Terrace, Suite F, Midlothian, VA by means of Polarized Light Microscopy (PLM) analysis, utilizing dispersion staining techniques (ref.: EPA Method 600/M4-82-020). PLM was performed to determine the asbestos content of the bulk samples collected at the site. The laboratory is currently certified with the National Voluntary Laboratory Accreditation Program (NVLAP) under NVLAP Lab Code: 500096-0. Confirmatory sampling, where indicated, utilized PLM 400-point counting analysis.

Any material that contains greater than one percent ($>1\%$) asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and all applicable State and Local regulations.

Details of the sample laboratory analysis are included in **Appendix B**, which contains a listing of all analyzed samples, sample locations, and analytical results relating to the site. Asbestos analytical results are reported as percentage and type. Other common non-asbestos components may also be noted in the analytical report.

5 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted at the Site during the **May 23, 2023**, Calnex inspection of the building(s) described herein, located at **373 Champlain Street, Berlin, NH**.

Calnex performed limited destructive investigations to identify materials that may be present behind the visible surface materials by removing small areas of the surface materials and making assumptions of underlying materials based these observations. Any materials that were not visually identified during our inspection activities were not inspected and would not be noted in this report. Calnex's selection of sample locations and frequency of sampling was based on the inspector's assumption that like materials in the same area are homogeneous in content. Materials that were not part of the building structure (materials stored inside or outside of the building, debris located inside or outside of the building, etc.), were not included as part of the inspection unless specifically stated otherwise. Appliances (e.g. stoves, furnaces, etc.), HVAC (heating, ventilation and air conditioning) equipment, sub-surface (e.g. foundation coatings, debris) and energized electrical devices were not included in the inspection.

¹ Analysis was subcontracted by Hayes to Laboratory Testing Services, NVLAP 600253-0.

The report is designed to aid the building owner in locating ACM and is intended to serve as a technical component of a NESHAP pre-demolition notification. The report was prepared for the exclusive use of the applicable State and Local asbestos regulatory agency(ies); and the Client and Client's counsel, solely for the purposes stated in this report. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an asbestos project design document or an abatement work plan. This report may not be circulated, or conveyed, in whole or in part, to any other party, nor used by any other party, without the prior written permission of Calnex.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

Calnex, by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the Site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the Site that may present a potential danger to public health, safety, or the environment. It is the client's responsibility to notify the appropriate local, state, or federal public agencies as required by law, or otherwise to disclose, in a timely manner, any information that may be necessary to prevent any danger to public health, safety, or the environment. The contents of this report should not be construed in any way as a recommendation to purchase, sell, or further develop the project site.

SECTION 2: RCRA METAL DETERMINATION

1 INSPECTION SUMMARY

- Lead TCLP results exceeding regulatory standards **were not detected** in the representative building material sample.
- Lead TCLP results exceeding regulatory standards were detected in the representative building material sample.

Refer to Section 4 below for additional information.

2 SCOPE OF SERVICES

The purpose of this portion of the project was to evaluate the building materials for the presence of lead.

Calnex conducted a thorough survey of the Site building in accordance with the proposed scope of services and as outlined below:

- a. Survey the types and estimate the proportionate quantities of the building materials relative to the entirety of the debris waste stream created by the building demolition.

- b. Collect a representative building material (RBM) sample based upon the criteria established above. Prepare and submit the RBM sample for Toxicity Characteristic Leaching Procedure (TCLP) laboratory analysis.
- c. Review the analytical data and compare the results to regulatory standards.

3 METHODOLOGY

A ±110-gram RBM sample was collected by Calnex on May 23, 2023, in general accordance with ASTM E1908-10 and the Connecticut Department of Environmental Protection sampling and waste characterization plans guidance. A representative quantity of burn debris and ash was incorporated in the sample.

The RBM sample was prepared and delivered under chain of custody control and analyzed by Hayes Microbial Consulting (Hayes), 3005 E. Boundary Terrace, Suite F, Midlothian, VA. The sample was subjected to TCLP by Hayes for leachable lead utilizing EPA Method 7420.

Details of the sample laboratory analysis are included in **Appendix B**.

4 FINDINGS

The TCLP analytical results for the RBM sample indicate a lead concentration of **<3.0 mg/L** which is well below the established regulatory limit of 5.0 mg/L.

Note: In order for the TCLP analysis to be representative of the building debris stream, no sorting or segregating of building materials may be undertaken. To the extent of being practicable to do so, each waste container should consist of a mixture of building materials representing the entirety of the debris waste stream created by the building demolition.



TABLES

Suspect Building Materials Sampled – Table 1
Asbestos Containing Materials (ACM) – Table 2





TABLE 1

SUSPECT BUILDING MATERIALS SAMPLED

PROJECT:	BER-22-2A	
SITE:	373 CHAMPLAIN	
SAMPLE DATE:	May 23, 2023	
MATERIAL	LOCATION	SAMPLE ID
LOOSE INSULATION	ATTIC FLOOR	A-1
LOOSE INSULATION	ATTIC FLOOR	A-2
RESILIENT FLOORING TILE (BROWN)	BASEMENT STAIRWAY	B-1
RESILIENT FLOORING TILE (BROWN)	BASEMENT STAIRWAY	B-2
JOINT COMPOUND	BASEMENT BEDROOM WALL	B-3
JOINT COMPOUND	BASEMENT BEDROOM WALL	B-4
DRYWALL	BASEMENT BEDROOM WALL	B-5
DRYWALL	BASEMENT BEDROOM CEILING	B-6
FURNACE CEMENT	BASEMENT FURNACE CHIMNEY CONNECTION	B-7
ASPHALT ROOFING MASTIC	ROOF CHIMNEY	E-1
ASPHALT ROOFING SHINGLE	EDGE SHED ROOF	E-3
ASPHALT ROOFING SHINGLE	EDGE SHED ROOF	E-4
ASPHALT ROOFING	MAIN ROOF (LAYER 4)	E-5
ASPHALT ROOFING	MAIN ROOF (LAYER 4)	E-6
ASPHALT ROOFING	MAIN ROOF (LAYER 3)	E-7
ASPHALT ROOFING	MAIN ROOF (LAYER 3)	E-8
ASPHALT ROOFING PAPER	MAIN ROOF (LAYER 2)	E-9
ASPHALT ROOFING PAPER	MAIN ROOF (LAYER 2)	E-10
ASPHALT ROOFING	MAIN ROOF (LAYER 1)	E-11
ASPHALT ROOFING	MAIN ROOF (LAYER 1)	E-12
BITUMEN MOISTURE BARRIER	ON BUILDING PAPER (E-17) UNDER SHINGLES	E-15
BITUMEN MOISTURE BARRIER	ON BUILDING PAPER (E-17) UNDER SHINGLES	E-16
BUILDING PAPER	UNDER SHINGLES	E-17
CAULK	EXTERIOR WINDOW	E-19
GLAZING	2ND FLOOR PORCH WINDOW	E-20
ASPHALT BUILDING PAPER	UNDER SHINGLES	E-21
ASPHALT BUILDING PAPER	UNDER SHINGLES	E-22
GLAZING	BASEMENT WINDOW (WEST)	E-23
ASPHALT ROOFING PAPER	MAIN ROOF (LAYER 5)	E-13
ASPHALT ROOFING PAPER	MAIN ROOF (LAYER 5)	E-14
LAMINATE W/ ADHESIVE	1ST FLOOR KITCHEN COUNTER	1-1
DRYWALL	1ST FLOOR KITCHEN CEILING	1-2
SKIM COAT	1ST FLOOR KITCHEN CEILING (ON HOMOSOTE)	1-3
FLOOR TILE (TAN)	1ST FLOOR BATHROOM FLOOR	1-4
FLOOR TILE (TAN)	1ST FLOOR BATHROOM FLOOR	1-5
JOINT COMPOUND	1ST FLOOR BEDROOM 1 WALL	1-6
JOINT COMPOUND	1ST FLOOR BATHROOM WALL	1-7
JOINT COMPOUND	1ST FLOOR BATHROOM WALL	1-8
SKIM COAT	1ST FLOOR BEDROOM 1 WALL (ON HOMOSOTE)	1-9
DRYWALL	1ST FLOOR BEDROOM 1 WALL	1-10
PLASTER	1ST FLOOR BEDROOM 2 WALL (UNDER DRYWALL)	1-11
DRYWALL	1ST FLOOR BATHROOM CEILING	1-12
DRYWALL	1ST FLOOR BATHROOM WALL	1-13
SKIM COAT	1ST FLOOR BEDROOM 2 WALL (ON HOMOSOTE)	1-14
RESILIENT FLOORING (TAN)	1ST FLOOR PORCH	1-15
RESILIENT FLOORING (TAN)	1ST FLOOR PORCH	1-16
JOINT COMPOUND	1ST FLOOR LIVING ROOM WALL	1-17
DRYWALL	1ST FLOOR LIVING ROOM WALL	1-18
JOINT COMPOUND	1ST FLOOR PORCH WALL	1-19

(1) Multi-layered sample collected.

Note: Layers, if indicated are identified from the top (exposed) layer first, i.e. Layer 1

TABLE 1

SUSPECT BUILDING MATERIALS SAMPLED

PROJECT:	BER-22-2A	
SITE:	373 CHAMPLAIN	
SAMPLE DATE:	May 23, 2023	
MATERIAL	LOCATION	SAMPLE ID
DRYWALL	1ST FLOOR PORCH WALL	1-20
JOINT COMPOUND	1ST FLOOR DEN WALL	1-21
DRYWALL	1ST FLOOR BATHROOM WALL (LAYER 2)	1-22
FLOOR TILE (BROWN)	2ND FLOOR BATHROOM (LAYER 1)	2-1
FLOOR TILE (BROWN)	2ND FLOOR BATHROOM (LAYER 1)	2-2
LAMINATE W/ ADHESIVE	2ND FLOOR KITCHEN COUNTER	2-3
DRYWALL	2ND FLOOR KITCHEN CEILING (3/8)	2-4
DRYWALL	2ND FLOOR KITCHEN CEILING (3/8)	2-5
RESILIENT FLOORING (TAN)	2ND FLOOR BATHROOM (LAYER 2)	2-6
RESILIENT FLOORING (TAN)	2ND FLOOR BATHROOM (LAYER 2)	2-7
JOINT COMPOUND	2ND FLOOR KITCHEN CEILING	2-8
JOINT COMPOUND	2ND FLOOR KITCHEN CEILING	2-9
SOUNDPROOFING	2ND FLOOR KITCHEN SINK	2-10
DRYWALL	2ND FLOOR BATHROOM WALL	2-11
DRYWALL	2ND FLOOR BATHROOM WALL	2-12
JOINT COMPOUND	2ND FLOOR BATHROOM WALL	2-13
PLASTER	2ND FLOOR BATHROOM WALL	2-14
PLASTER	2ND FLOOR BEDROOM 1 CLOSET WALL	2-15
DRYWALL	2ND FLOOR BEDROOM 2 WALL	2-16
SKIM COAT ON HOMOSOTE	2ND FLOOR BEDROOM 1 CEILING	2-17
JOINT COMPOUND	2ND FLOOR BEDROOM 1 WALL	2-18
DRYWALL	2ND FLOOR BEDROOM 1 WALL	2-19
JOINT COMPOUND	2ND FLOOR BEDROOM 1 CEILING	2-20
DRYWALL	2ND FLOOR LIVING ROOM WALL	2-21
JOINT COMPOUND	2ND FLOOR LIVING ROOM WALL	2-22
JOINT COMPOUND	2ND FLOOR BEDROOM 2 CLOSET WALL	2-23
SKIM COAT	2ND FLOOR DEN CEILING	2-24
DRYWALL	2ND FLOOR DEN WALL	2-25
JOINT COMPOUND	2ND FLOOR DEN WALL	2-26
PLASTER	2ND FLOOR DEN WALL (UNDER DRYWALL)	2-27
LOOSE INSULATION	3RD FLOOR BATH WALL	3-1
LOOSE INSULATION	3RD FLOOR DEN WALL	3-2
HOMOSOTE BOARD	3RD FLOOR BATH WALL (LAYER 3)	3-3
SKIM COAT ON HOMOSOTE	3RD FLOOR BATH WALL (LAYER 2)	3-5
DRYWALL	3RD FLOOR BATH WALL (LAYER 1)	3-7
LINOLEUM	3RD FLOOR SHED (LAYER 1)	3-9
LINOLEUM	3RD FLOOR SHED (LAYER 1)	3-10
LINOLEUM (BROWN/TAN)	3RD FLOOR SHED (LAYER 2)	3-11
LINOLEUM (BROWN/TAN)	3RD FLOOR SHED (LAYER 2)	3-12
RESILIENT FLOORING (TAN)	3RD FLOOR BATHROOM (LAYER 1)	3-13
RESILIENT FLOORING (TAN)	3RD FLOOR BATHROOM (LAYER 1)	3-14
RESILIENT FLOORING (BEIGE) W/ADHESIVE	3RD FLOOR BATHROOM (LAYER 2)	3-15
RESILIENT FLOORING (BEIGE)	3RD FLOOR BATHROOM (LAYER 2)	3-16
JOINT COMPOUND	3RD FLOOR KITCHEN	3-17
DRYWALL	3RD FLOOR KITCHEN CEILING (LAYER 1)	3-19
DRYWALL	3RD FLOOR KITCHEN CEILING (LAYER 2)	3-21
PLASTER	3RD FLOOR BEDROOM 1 CLOSET	3-23
JOINT COMPOUND	3RD FLOOR BEDROOM 1 WALL	3-24
DRYWALL	3RD FLOOR BEDROOM 1 WALL (3/8)	3-26

(1) Multi-layered sample collected.

Note: Layers, if indicated are identified from the top (exposed) layer first, i.e. Layer 1

**TABLE 1****SUSPECT BUILDING MATERIALS SAMPLED**

PROJECT:	BER-22-2A	
SITE:	373 CHAMPLAIN	
SAMPLE DATE:	May 23, 2023	
MATERIAL	LOCATION	SAMPLE ID
PLASTER	3RD FLOOR BEDROOM 1 WALLS (UNDER DRYWALL)	3-28
PLASTER	3RD FLOOR BEDROOM 1 CEILING	3-29
DRYWALL	3RD FLOOR BEDROOM 2 CEILING	3-30
JOINT COMPOUND	3RD FLOOR BEDROOM 2 WALL	3-31
DRYWALL	3RD FLOOR BEDROOM 2 WALL	3-32
SOUND INSULATION	3RD FLOOR KITCHEN SINK	3-34
FORMICA W/ ADHESIVE	3RD FLOOR KITCHEN COUNTER	3-35
DRYWALL	3RD FLOOR LIVING ROOM WALL (LAYER 1)	3-37
JOINT COMPOUND	3RD FLOOR LIVING ROOM WALL (LAYER 1)	3-38
PLASTER	3RD FLOOR LIVING ROOM WALL (LAYER 2)	3-39
SKIM COAT	3RD FLOOR DEN CEILING (UNDER DRYWALL)	3-40

(1) Multi-layered sample collected.
Note: Layers, if indicated are identified from the top (exposed) layer first, i.e. Layer 1



TABLE 2

ASBESTOS CONTAINING MATERIALS

PROJECT: BER-22-2A
 SITE: 373 CHAMPLAIN
 SAMPLE DATE: May 23, 2023

MATERIAL	LOCATION	SAMPLE ID	APPROX. QUANTITY	ASBESTOS CONTENT	AHERA CLASS			NESHAP CLASS		
					S	T	M	F	C1	C2
ASPHALT ROOFING MASTIC	CHIMMNEY/ROOF PATCH - ANY/ALL ROOFING MASTIC ON ROOFS	E-1	±5 FT2	5% - 9.3%			X		X	
ASPHALT ROOFING	MAIN ROOF	E-7, E-8	±1,000 FT2	2% - 6.8%			X		X	
WINDOW GLAZING	ALL GLAZED WINDOWS	E-20	±1 FT2	2% - 3.3%			X			X
PLASTER AND PLASTER SKIM COAT ON CELLULOSE (HOMOSOTE) WALL BOARD	WALLS AND CEILINGS THROUGHOUT - ALL FLOORS	1-11, 1-14, 2-14, 2-15, 2-17, 3-23, 3-29	3,500 FT2	1.5% - 3%			X			X

Note: Layers, if indicated, are identified from the top (exposed) layer first (Layer 1). Refer to the attached figures for additional information relative to sample location. Quantities stated are approximate and should not be relied upon for bidding purposes, project specifications, etc.
 UNK - Unknown. Unable to be determined through inspection methods. PACBM - Presumed Asbestos Containing Building Material (not sampled)
 FT2 - Square Feet LnFt - Lineal Feet Ft3 - Cubic Feet
 AHERA Classifications: S - Surfacing ACM T - Thermal System Insulation (TSI) ACM M - Miscellaneous ACM



APPENDIX A

Inspector Credentials Disclosure of Relationship




Inspector Credentials


STATE of NEW HAMPSHIRE
 Department of Environmental Services
 Asbestos Management & Control Program

ASBESTOS INSPECTOR
 AI000401 R
 RONALD T GUERIN DOB: 10/6/1957


EFF. Date: 10/6/2022 EXP. Date: 10/5/2023

Air Resources Division Director
 Craig A. Wright





This is to certify that
Ronald T. Guerin
 P.O.Box 236, Colebrook, NH 03576



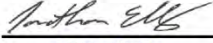
*has completed requisite training by Video Conference, and has passed an examination for
 reaccreditation as:*

Asbestos Inspector Refresher
 pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
 Zoom Video Conference
 Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

August 17, 2022
 Course Dates
22-4305-106-241024
 Certificate Number

August 17, 2022
 Examination Date
August 17, 2023
 Expiration Date


 Training Director

16 Upton Drive, Wilmington, MA 01887
Telephone 978.658.5272
www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION



Disclosure of Relationship

Calex Environmental, LLC (Company) and Hayes Microbial Consulting (Laboratory) are independently owned and operated entities without any affiliation legal or otherwise.

Ronald T. Guerin (inspector) is an employee of Calex Environmental, LLC and has no affiliation or interest with Hayes Microbial Consulting (Laboratory) legal or otherwise.

Authorized Signature
Company:

Ronald T. Guerin

Date: June 23, 2023

Ronald T. Guerin
President, Calex Environmental, LLC

Inspector
Signature:

Ronald T. Guerin

Date: June 23, 2023

Ronald T. Guerin
Inspector





APPENDIX B

Laboratory Analytical Reports





#23022041

Amended Report

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-1A
422 Champlain

Collected: **May 16, 2023**
Received: **May 30, 2023**
Reported: **June 7, 2023**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 142 samples by FedEx in good condition for this project on May 30th, 2023.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. Information supplied by the customer can affect the validity of results. These results apply only to the samples as received. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

All information provided to Hayes Microbial is confidential information relating to our customers and their clients. We will not disclose, copy, or distribute any information verbally or written, except to those designated by the customer(s). We take confidentiality very seriously. No changes to the distribution list will be made without the express consent of the customer.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.

A handwritten signature in black ink that reads 'Stephen N. Hayes'.

Steve Hayes, BSMT(ASCP)
Laboratory Director
Hayes Microbial Consulting, LLC.



EPA Laboratory ID: VA01419



Lab ID: #188863



DPH License: #PH-0198

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
1	A1 - Loose Insulation	Insulation / Black	100% Fiberglass	None Detected
2	A2 - Loose Insulation	Insulation / Black	100% Fiberglass	None Detected
3	B1 - Furnace Cement	Cementitious / Black		None Detected
4	E1 - Asphalt Roofing Shingle	Roofing / Black	25% Fiberglass	None Detected
5	E2 - Asphalt Roofing Shingle	Roofing / Black	25% Fiberglass	None Detected
6	E3 - Asphalt Roofing Paper	Paper / Black	40% Cellulose Fibers	None Detected
7	E4 - Asphalt Roofing Paper	Paper / Black	40% Cellulose Fibers	None Detected
8	E5 - Asphalt Roofing Paper	Paper / Black	40% Cellulose Fibers	None Detected
9	E6 - Asphalt Roofing Paper	Paper / Black	40% Cellulose Fibers	None Detected
10	E7 - Asphalt Roofing Shingle	Shingle / Black	25% Fiberglass	None Detected
11	E8 - Asphalt Roofing Shingle	Shingle / Black	25% Fiberglass	None Detected
12	E9 - Building Paper	Paper / Brown	100% Cellulose Fibers	None Detected
13	E10 - Building Paper	Paper / Brown	100% Cellulose Fibers	None Detected
14	E11 - Asphalt Roofing Shingle	Shingle / Black	30% Cellulose Fibers	None Detected
15	E12 - Asphalt Roofing Paper	Paper / Black	40% Cellulose Fibers	None Detected



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Revision: **2**

Project Analyst:
 David McDonald, PHR *David McDonald*

Date:
06 - 07 - 2023

Reviewed By:
 Brian Keith, *[Signature]*

Date:
06 - 14 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
16	E13 - Glazing	Glazing / Beige		2.00% Chrysotile
17	S1 - Asphalt Roll Roofing	Roofing / Black	25% Fiberglass	None Detected
18	S2 - Asphalt Roof Mastic	Adhesive / Black	25% Fiberglass	6.00% Chrysotile
19	S3 - Asphalt Roofing	Roofing / Black	20% Fiberglass	None Detected
20	S4 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
21	S5 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
22	S6 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
23	S7 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers	None Detected
24	S8 - Asphalt Roofing	Roofing / Black	15% Cellulose Fibers	None Detected
25	S9 - Asphalt Roof Mastic	Adhesive / Black	30% Cellulose Fibers	7.00% Chrysotile
26	S10 - Asphalt Roofing	Roofing / Black	40% Cellulose Fibers	None Detected
27	S11 - Asphalt Roof Mastic	Adhesive / Black		3.00% Chrysotile
28	S12 - Asphalt Siding (Brown)	Siding / Brown	40% Cellulose Fibers	None Detected
29	S13 - Asphalt Siding (Brown)	Siding / Brown	40% Cellulose Fibers	None Detected
30	S14 - Asphalt Roofing	Roofing / Black	40% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
31	S15 - Asphalt Siding (Red)	Siding / Black	40% Cellulose Fibers	None Detected
32	S16 - Asphalt Siding (Red)	Siding / Black	40% Cellulose Fibers	None Detected
33	S17 - Mesh Roofing Cloth w/Mastic	Roofing / Black		2.00% Chrysotile
34	S18 - Mesh Roofing Cloth w/o Mastic	Roofing / White		None Detected
35	S19 - Cellulose Ceiling Tile	Ceiling Tile / Brown	100% Cellulose Fibers	None Detected
36	3-1 - Resilient Flooring	Floor Tile / Beige	40% Cellulose Fibers 5% Fiberglass	None Detected
37	3-2 - Resilient Flooring	Floor Tile / Beige	40% Cellulose Fibers	None Detected
38	3-3 - Drywall	Drywall / White/Brown	20% Cellulose Fibers	None Detected
39	3-4 - Drywall	Drywall / White/Brown	10% Cellulose Fibers	None Detected
40	3-5 - Texture Ceiling	Ceiling / White		None Detected
41	3-6 - Texture Ceiling	Ceiling / White		None Detected
42	3-7 - Joint Compound	Joint Compound / White		None Detected
43	3-8 - Joint Compound	Joint Compound / White		None Detected
44	3-9 - Plaster	Plaster / White	30% Animal Hair	None Detected
45	3-10 - Plaster	Plaster / White	30% Animal Hair	None Detected



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Date:
06 - 14 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
46	3-11 - Resilient Flooring w/Adhesive	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
47	3-12 - Resilient Flooring w/Adhesive	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
48	3-13 - Resilient Flooring w/Adhesive	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
49	3-14 - Resilient Flooring w/Adhesive	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
50	3-15 - Adhesive	Adhesive / White		None Detected
51	3-16 - Adhesive	Adhesive / White		None Detected
52	3-17 - Adhesive	Adhesive / Beige		None Detected
53	3-18 - Adhesive	Adhesive / Beige		None Detected
54	3-19 - Resilient Flooring	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected



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Reviewed By:
 Brian Keith, *[Signature]*

Date:
06 - 14 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
55	3-20 - Resilient Flooring	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
56	3-21 - Masonite	Masonite / Brown	90% Cellulose Fibers	None Detected
57	3-22 - Plaster	Plaster / Brown	15% Fiberglass	None Detected
58	2-1 - Drywall	Drywall / White/Brown	15% Fiberglass 15% Cellulose Fibers	None Detected
59	2-2 - Drywall	Drywall / White/Brown	15% Fiberglass 15% Cellulose Fibers	None Detected
60	2-3 - Joint Compound	Joint Compound / White		None Detected
61	2-4 - Joint Compound	Joint Compound / White		None Detected
62	2-5 - Building Paper	Paper / Brown	100% Cellulose Fibers	None Detected
63	2-6 - Building Paper	Paper / Brown	100% Cellulose Fibers	None Detected
64	2-7 - Soundproofing	Soundproofing / Black		2.00% Chrysotile
65	2-8 - Formica w/Adhesive	Formica / Brown		None Detected
		Adhesive / Yellow		None Detected
66	2-9 - Formica w/Adhesive	Formica / Brown		None Detected
		Adhesive / Yellow		None Detected



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Date:
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
67	2-10 - Texture Coating	Texture / White		None Detected
		Joint Compound / White		None Detected
		Drywall / White/Brown	60% Cellulose Fibers 3% Fiberglass	None Detected
68	2-11 - Texture Coating	Texture / White		None Detected
		Joint Compound / White		None Detected
		Drywall / White/Brown	60% Cellulose Fibers 3% Fiberglass	None Detected
69	2-12 - Drywall	Drywall / White/Brown	40% Cellulose Fibers 15% Fiberglass	None Detected
70	2-13 - Resilient Flooring w/Adhesive	Floor Tile / White	85% Cellulose Fibers 15% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
		(Wood Layer) / Brown	100% Cellulose Fibers	None Detected
71	2-14 - Resilient Flooring w/Adhesive	Floor Tile / White	70% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
		(Wood Layer) / Brown	100% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
72	2-15 - Resilient Flooring	Floor Tile / White	40% Cellulose Fibers 10% Fiberglass	None Detected
73	2-16 - Resilient Flooring	Floor Tile / White	40% Cellulose Fibers 10% Fiberglass	None Detected
74	2-17 - Resilient Flooring Film w/Adhesive	Floor Film / Clear		None Detected
		Adhesive / Beige		None Detected
75	2-18 - Resilient Flooring Film w/Adhesive	Floor Film / Clear		None Detected
		Adhesive / Beige		None Detected
76	2-19 - Resilient Flooring	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
77	2-20 - Resilient Flooring	Floor Tile / White	60% Cellulose Fibers 10% Fiberglass	None Detected
78	2-21 - Masonite	Masonite / Brown	90% Cellulose Fibers	None Detected
79	2-23 - Texture Coating	Texture / White	30% Cellulose Fibers	None Detected
80	2-24 - Joint Compound	Joint Compound / White		None Detected
81	2-25 - Drywall	Drywall / White/Brown	20% Cellulose Fibers 15% Fiberglass	None Detected
82	2-26 - Texture Coating	Texture / White		None Detected



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 Brian Keith, *[Signature]*

Date:
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
83	2-28 - Drywall	Drywall / White/Brown	20% Cellulose Fibers 15% Fiberglass	None Detected
84	2-29 - Resilient Flooring	Floor Tile / White	40% Cellulose Fibers 10% Fiberglass	None Detected
85	2-30 - Resilient Flooring	Floor Tile / White	40% Cellulose Fibers 10% Fiberglass	None Detected
86	2-31 - Drywall	Drywall / White/Brown	30% Cellulose Fibers 15% Fiberglass	None Detected
87	2-32 - Joint Compound	Joint Compound / White		None Detected
88	2-33 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers 15% Fiberglass	None Detected
89	2-34 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers 15% Fiberglass	None Detected
90	2-35 - Asphalt Roofing	Roofing / Black	20% Cellulose Fibers 20% Fiberglass	None Detected
91	2-36 - Asphalt Roofing	Roofing / Black	15% Cellulose Fibers 40% Fiberglass	None Detected
92	2-37 - Drywall	Drywall / Green	30% Cellulose Fibers 10% Fiberglass	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
93	2-38 - Resilient Flooring w/Adhesive	Floor Tile / Brown	50% Cellulose Fibers 15% Fiberglass	None Detected
		Adhesive / Beige		None Detected
94	2-39 - Resilient Flooring w/Adhesive	Floor Tile / Brown	50% Cellulose Fibers 15% Fiberglass	None Detected
		Adhesive / Beige		None Detected
95	2-40 - Glazing	Glazing / Beige		None Detected
96	2-41 - Glazing	Glazing / White		None Detected
97	2-42 - Resilient Flooring w/Adhesive	Floor Tile / Brown	40% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Beige		None Detected
98	2-43 - Resilient Flooring w/Adhesive	Floor Tile / Brown	40% Cellulose Fibers 10% Fiberglass	None Detected
		Adhesive / Beige		None Detected
99	2-44 - Linoleum Flooring	Linoleum / Brown		None Detected
		Paper Layer / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
100	2-45 - Linoleum Flooring	Linoleum / Brown		None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
101	2-46 - Linoleum Flooring	Linoleum (Felt Layer) / Brown	90% Cellulose Fibers	None Detected
		Linoleum / Brown		None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
102	2-47 - Linoleum Flooring	Linoleum (Felt) / Brown	90% Cellulose Fibers	None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
		Linoleum / Brown		None Detected
103	2-48 - Linoleum Flooring	Linoleum / Green		None Detected
		Felt / Black	90% Cellulose Fibers	None Detected
104	2-49 - Linoleum Flooring	Linoleum / Green		None Detected
		Felt / Black	90% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
105	2-50 - Masonite w/Adhesive	Masonite / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
106	2-51 - Masonite w/Adhesive	Masonite / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
107	2-52 - Cove Molding w/Adhesive	Cove Base / White		None Detected
		Adhesive / Beige		None Detected
108	2-53 - Cove Molding w/Adhesive	Cove Base / White		None Detected
		Adhesive / Beige		None Detected
109	2-54 - Resilient Flooring	Floor Tile / White		None Detected
		Paper / Beige	70% Cellulose Fibers 15% Fiberglass	None Detected
		Adhesive / Yellow		None Detected
110	2-55 - Resilient Flooring	Floor Tile / White		None Detected
		Paper / Beige	70% Cellulose Fibers 15% Fiberglass	None Detected
		Adhesive / Yellow		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
111	1-1 - Texture Coating	Texture / White		None Detected
		Sheetrock / White/Brown	50% Cellulose Fibers	None Detected
112	1-2 - Texture Coating	Texture / White		None Detected
		Sheetrock / White/Brown	50% Cellulose Fibers	None Detected
113	1-3 - Ceiling Tile	Ceiling Tile / Tan	100% Cellulose Fibers	None Detected
114	1-4 - Ceiling Tile	Ceiling Tile / Tan	100% Cellulose Fibers	None Detected
115	1-5 - Plaster	Plaster / Brown	15% Animal Hair	None Detected
		Texture / Multi-colored		None Detected
116	1-6 - Plaster	Plaster / Brown	20% Animal Hair	None Detected
		Texture / Multi-colored		None Detected
117	1-7 - Adhesive on Paneling	Bulk Material / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
		Paper / Beige	100% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
118	1-8 - Adhesive on Paneling	Bulk Material / Brown	100% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
119	1-9 - Drywall	Drywall / White/Brown	30% Cellulose Fibers	None Detected
120	1-10 - Resilient Flooring	Floor Tile / Tan		None Detected
		Felt / Black	80% Cellulose Fibers	None Detected
121	1-11 - Resilient Flooring	Floor Tile / Tan		None Detected
		Felt / Black	80% Cellulose Fibers	None Detected
122	1-12 - Linoleum Flooring	Linoleum / Gray		None Detected
123	1-13 - Linoleum Flooring	Linoleum / Gray		None Detected
124	1-14 - Linoleum Flooring	Linoleum / Beige	80% Cellulose Fibers	5.00% Chrysotile
125	1-15 - Linoleum Flooring	Linoleum / Beige	80% Cellulose Fibers	8.00% Chrysotile
126	1-16 - Texture Coating	Texture / White		None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
127	1-18 - Adhesive	Adhesive / Brown		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
128	1-20 - Texture Coating	Texture / White		None Detected
129	1-21 - Texture Coating	Texture / White		None Detected
130	1-22 - Soundproofing	Soundproofing / Black		4.00% Chrysotile
131	1-23 - Joint Compound	Joint Compound / White		None Detected
132	1-24 - Joint Compound	Joint Compound / White		None Detected
133	1-25 - Adhesive on Wood	Adhesive / Brown		None Detected
134	1-26 - Adhesive on Wood	Adhesive / Brown		None Detected
135	1-27 - Resilient Flooring	Floor Tile / Beige		None Detected
		Paper / Brown	100% Cellulose Fibers	None Detected
136	1-28 - Formica W/Adhesive	Formica / Brown		None Detected
		Adhesive / Brown		None Detected
137	1-29 - Plaster w/Adhesive	Plaster / Gray		None Detected
		Felt / Black	70% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
138	1-30 - Plaster w/Adhesive	Plaster / Gray		None Detected
		Felt / Black	70% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
139	1-31 - Floor Tile (9x9) Pink	Floor Tile / Pink		6.00% Chrysotile
140	1-32 - Floor Tile (9x9) Brown	Floor Tile / Brown		3.00% Chrysotile
		Adhesive / Black	10% Cellulose Fibers	None Detected
141	1-33 - Mastic	Mastic / Black	10% Cellulose Fibers	None Detected
142	1-34 - Mastic	Mastic / Black	10% Cellulose Fibers	None Detected



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Date:
06 - 14 - 2023

Asbestos 400 Point Count

Subcontracted Lab: Laboratory Testing Services - NVLAP ID 600253-0

#	Sample	Material Description	Total Points	Non-Asbestos Fibers	Asbestos Fibers
16	E13 - Glazing	Glazing / Beige	400		0.5% Chrysotile
33	S17 - Mesh Roofing Cloth w/Mastic	Roofing / Black	400		5.8% Chrysotile
64	2-7 - Soundproofing	Soundproofing / Black	400		0.8% Chrysotile
130	1-22 - Soundproofing	Soundproofing / Black	400		3.3% Chrysotile



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Date:
06 - 14 - 2023

Asbestos Analysis Information

Subcontracted Lab: Laboratory Testing Services - NVLAP ID 600253-0

Analysis Details	All samples were received in acceptable condition unless otherwise noted on the report. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA, NIST, NVLAP, NY ELAP, or any agency. The results relate only to the items tested. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.
PLM Analysis	All Polarized Light Microscopy (PLM) results include an inherent uncertainty of measurement associated with estimating percentages by PLM. Materials with interfering matrix, low asbestos content, or small fiber size may require additional analysis via TEM Analysis.
TEM Analysis	Analysis by TEM is capable of providing positive identification of asbestos type(s) and semi-quantitation of asbestos content.
Definitions	'None Detected' - Below the detected reporting limit of 1% unless point counting is performed, then the detected reporting limit is .25%.
New York ELAP	Per NY ELAP198.6 (NOB), TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing. Any NY ELAP samples that are subcontracted to another laboratory will display the name and ELAP Lab Identification number in the report page heading of those samples. The original report provided to Hayes Microbial Consulting is available upon request.



HAYES

MICROBIAL CONSULTING
3005 East Boundary Terrace, #F
Midlothian, VA 23112, USA
804.562.3435 Fax: 804.447.5562

Company:

CALEX ENVIRONMENTAL, LLC

PO BOX 236

COLEBROOK, NH 03576

Asbestos - Chain of Custody

Form v.101302.5

PAGE 1 OF 11

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #
A-1	LOOSE INSULATION	PLM		5 DAY	
A-2	LOOSE INSULATION	PLM		5 DAY	
B-1	FURNACE CEMENT	PLM		5 DAY	
E-1	ASPHALT ROOFING SHINGLE	PLM		5 DAY	
E-2	ASPHALT ROOFING SHINGLE	PLM		5 DAY	
E-3	ASPHALT ROOFING PAPER	PLM		5 DAY	
E-4	ASPHALT ROOFING PAPER	PLM		5 DAY	
E-5	ASPHALT ROOFING PAPER	PLM		5 DAY	
E-6	ASPHALT ROOFING PAPER	PLM		5 DAY	
E-7	ASPHALT ROOFING SHINGLE	PLM		5 DAY	
E-8	ASPHALT ROOFING SHINGLE	PLM		5 DAY	
E-9	BUILDING PAPER	PLM		5 DAY	
E-10	BUILDING PAPER	PLM		5 DAY	
E-11	ASPHALT ROOFING SHINGLE	PLM		5 DAY	



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N

Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *mb* Date: 5/30/23



HAYES

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PAGE 2 OF 11

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
E-12	ASPHALT ROOFING PAPER	PLM		5 DAY		
E-13	GLAZING	PLM		5 DAY		
S-1	ASPHALT ROLL ROOFING	PLM		5 DAY		
S-2	ASPHALT ROOF MASTIC	PLM		5 DAY		
S-3	ASPHALT ROOFING	PLM		5 DAY		
S-4	ASPHALT ROOFING	PLM		5 DAY		
S-5	ASPHALT ROOFING	PLM		5 DAY		
S-6	ASPHALT ROOFING	PLM		5 DAY		
S-7	ASPHALT ROOFING	PLM		5 DAY		
S-8	ASPHALT ROOFING	PLM		5 DAY		
S-9	ASPHALT ROOF MASTIC	PLM		5 DAY		
S-10	ASPHALT ROOFING	PLM		5 DAY		
S-11	ASPHALT ROOF MASTIC	PLM		5 DAY		
S-12	ASPHALT SIDING (BROWN)	PLM		5 DAY		



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N

Analysis Type	Description	Available Turn-Around Times
PLM	PLM EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	PC EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	NY NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	PCM NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM-A TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
	TEM-C TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: MK Date: 5/30/23



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PAGE **3** OF **11**

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
S-13	ASPHALT SIDING (BROWN)	PLM		5 DAY		
S-14	ASPHALT ROOFING	PLM		5 DAY		
S-15	ASPHALT SIDING (RED)	PLM		5 DAY		
S-16	ASPHALT SIDING (RED)	PLM		5 DAY		
S-17	MESH ROOFING CLOTH W/ MASTIC	PLM		5 DAY		
S-18	MESH ROOFING CLOTH W/O MASTIC	PLM		5 DAY		
S-19	CELLULOSE CEILING TILE	PLM		5 DAY		
3-1	RESILIENT FLOORING	PLM		5 DAY		
3-2	RESILIENT FLOORING	PLM		5 DAY		
3-3	DRYWALL	PLM		5 DAY		
3-4	DRYWALL	PLM		5 DAY		
3-5	TEXTURE CEILING	PLM		5 DAY		
3-6	TEXTURE CEILING	PLM		5 DAY		
3-7	JOINT COMPOUND	PLM		5 DAY		



2/2

Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PLM	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
NY		
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

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Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *RM* Date: 5/30/23



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PAGE **4** OF **11**

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
3-8	JOINT COMPOUND	PLM		5 DAY		
3-9	PLASTER	PLM		5 DAY		
3-10	PLASTER	PLM		5 DAY		
3-11	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
3-12	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
3-13	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
3-14	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
3-15	ADHESIVE	PLM		5 DAY		
3-16	ADHESIVE	PLM		5 DAY		
3-17	ADHESIVE	PLM		5 DAY		
3-18	ADHESIVE	PLM		5 DAY		
3-19	RESILIENT FLOORING	PLM		5 DAY		
3-20	RESILIENT FLOORING	PLM		5 DAY		
3-21	MASONITE	PLM		5 DAY		



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Analysis Type	Description	Available Turn-Around Times
PLM	PLM EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	PC EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	NY NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	PCM NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM-A TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
	TEM-C TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *ML* Date: *5/30/23*



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HMC #

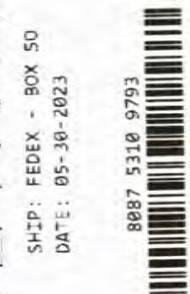
Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
3-22	PLASTER	PLM		5 DAY		
2-1	DRYWALL	PLM		5 DAY		
2-2	DRYWALL	PLM		5 DAY		
2-3	JOINT COMPOUND	PLM		5 DAY		
2-4	JOINT COMPOUND	PLM		5 DAY		
2-5	BUILDING PAPER	PLM		5 DAY		
2-6	BUILDING PAPER	PLM		5 DAY		
2-7	SOUNDPROOFING	PLM		5 DAY		
2-8	FORMICA W/ ADHESIVE	PLM		5 DAY		
2-9	FORMICA W/ ADHESIVE	PLM		5 DAY		
2-10	TEXTURE COATING	PLM		5 DAY		
2-11	TEXTURE COATING	PLM		5 DAY		
2-12	DRYWALL	PLM		5 DAY		
2-13	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		



N

Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MG* Date: *5/30/23*



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PAGE **6** OF **11**

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #
2-14	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY	
2-15	RESILIENT FLOORING	PLM		5 DAY	
2-16	RESILIENT FLOORING	PLM		5 DAY	
2-17	RESILIENT FLOORING FILM W/ ADHESIVE	PLM		5 DAY	
2-18	RESILIENT FLOORING FILM W/ ADHESIVE	PLM		5 DAY	
2-19	RESILIENT FLOORING	PLM		5 DAY	
2-20	RESILIENT FLOORING	PLM		5 DAY	
2-21	MASONITE	PLM		5 DAY	
2-23	TEXTURE COATING	PLM		5 DAY	
2-24	JOINT COMPOUND	PLM		5 DAY	
2-25	DRYWALL	PLM		5 DAY	
2-26	TEXTURE COATING	PLM		5 DAY	
2-28	DRYWALL	PLM		5 DAY	
2-29	RESILIENT FLOORING	PLM		5 DAY	



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N

Analysis Type	Description	Available Turn-Around Times
PLM	PLM EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	PC EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	NY NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	PCM NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM-A TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
	TEM-C TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MG* Date: 5/30/23

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HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-30	RESILIENT FLOORING	PLM		5 DAY		
2-31	DRYWALL	PLM		5 DAY		
2-32	JOINT COMPOUND	PLM		5 DAY		
2-33	ASPHALT ROOFING	PLM		5 DAY		
2-34	ASPHALT ROOFING	PLM		5 DAY		
2-35	ASPHALT ROOFING	PLM		5 DAY		
2-36	ASPHALT ROOFING	PLM		5 DAY		
2-37	DRYWALL	PLM		5 DAY		
2-38	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-39	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-40	GLAZING	PLM		5 DAY		
2-41	GLAZING	PLM		5 DAY		
2-42	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-43	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		



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N

Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MB* Date: 5/30/23



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PAGE **8** OF **11**

HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023 Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-44	LINOLEUM FLOORING	PLM		5 DAY		
2-45	LINOLEUM FLOORING	PLM		5 DAY		
2-46	LINOLEUM FLOORING	PLM		5 DAY		
2-47	LINOLEUM FLOORING	PLM		5 DAY		
2-48	LINOLEUM FLOORING	PLM		5 DAY		
2-49	LINOLEUM FLOORING	PLM		5 DAY		
2-50	MASONITE W/ADHESIVE	PLM		5 DAY		
2-51	MASONITE W/ADHESIVE	PLM		5 DAY		
2-52	COVE MOLDING W/ADHESIVE	PLM		5 DAY		
2-53	COVE MOLDING W/ADHESIVE	PLM		5 DAY		
2-54	RESILIENT FLOORING	PLM		5 DAY		
2-55	RESILIENT FLOORING	PLM		5 DAY		
1-1	TEXTURE COATING	PLM		5 DAY		
1-2	TEXTURE COATING	PLM		5 DAY		

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N

Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MG* Date: 5/30/23



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HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-3	CEILING TILE	PLM		5 DAY		
1-4	CEILING TILE	PLM		5 DAY		
1-5	PLASTER	PLM		5 DAY		
1-6	PLASTER	PLM		5 DAY		
1-7	ADHESIVE ON PANELING	PLM		5 DAY		
1-8	ADHESIVE ON PANELING	PLM		5 DAY		
1-9	DRYWALL	PLM		5 DAY		
1-10	RESILIENT FLOORING	PLM		5 DAY		
1-11	RESILIENT FLOORING	PLM		5 DAY		
1-12	LINOLEUM FLOORING	PLM		5 DAY		
1-13	LINOLEUM FLOORING	PLM		5 DAY		
1-14	LINOLEUM FLOORING	PLM		5 DAY		
1-15	LINOLEUM FLOORING	PLM		5 DAY		
1-16	TEXTURE COATING	PLM		5 DAY		



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Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MG* Date: 5/30/23

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HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-18	ADHESIVE	PLM		5 DAY		
1-20	TEXTURE COATING	PLM		5 DAY		
1-21	TEXTURE COATING	PLM		5 DAY		
1-22	SOUNDPROOFING	PLM		5 DAY		
1-23	JOINT COMPOUND	PLM		5 DAY		
1-24	JOINT COMPOUND	PLM		5 DAY		
1-25	ADHESIVE ON WOOD	PLM		5 DAY		
1-26	ADHESIVE ON WOOD	PLM		5 DAY		
1-27	RESILIENT FLOORING	PLM		5 DAY		
1-28	FORMICA W/ ADHESIVE	PLM		5 DAY		
1-29	PLASTER W/ ADHESIVE	PLM		5 DAY		
1-30	PLASTER W/ ADHESIVE	PLM		5 DAY		
1-31	FLOOR TILE (9X9) PINK	PLM		5 DAY		
1-32	FLOOR TILE (9X9) BROWN	PLM		5 DAY		

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Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PLM	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
NY	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PCM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: MB Date: 5/30/23



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HMC #

Job Number: BER-22-1A Job Name: 422 CHAMPLAIN Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 5/16/2023

Notes:

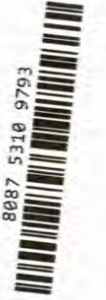
Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos.
1-33	MASTIC	PLM		5 DAY		
1-34	MASTIC	PLM		5 DAY		



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DATE: 05-30-2023



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Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM	TEM Air (AHERA)	1 Day, 2 Day, 3 Day, 5 Day
TEM-C	TEM Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 5/26/2023 Rcvd By: *MB* Date: 5/30/23



#23022039

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-1B
422 Champlain

Collected: **May 16, 2023**
Received: **May 30, 2023**
Reported: **June 2, 2023**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 1 samples by FedEx in good condition for this project on May 30th, 2023.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. Information supplied by the customer can affect the validity of results. These results apply only to the samples as received. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

All information provided to Hayes Microbial is confidential information relating to our customers and their clients. We will not disclose, copy, or distribute any information verbally or written, except to those designated by the customer(s). We take confidentiality very seriously. No changes to the distribution list will be made without the express consent of the customer.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.

A handwritten signature in black ink that reads 'Stephen N. Hayes'.

Steve Hayes, BSMT(ASCP)
Laboratory Director
Hayes Microbial Consulting, LLC.



EPA Laboratory ID: VA01419



Lab ID: #188863



DPH License: #PH-0198

#	Sample	Weight (g)	Lead Concentration (mg/L)	Regulatory Limit (mg/L)	Reporting Limit (mg/L)
1	TCLP-1 - 422 Champlain St Building Composite	100	1.8	5.0	0.50



Collected: **May 16, 2023**

Received: **May 30, 2023**

Reported: **Jun 2, 2023**

Project Analyst:
Samuel Settle, *Samuel Settle*

Date:
06 - 02 - 2023

Reviewed By:
Brian Keith, *Brian Keith*

Date:
06 - 02 - 2023

Lead in Air Analysis	The OSHA Action Level for Lead in Air is 30 ug/m ³ . The OSHA Permissible Exposure Limit for an 8 Hour Time Weighted Average is 50ug/m ³ . Sample Results denoted with a "less than" (<) symbol contain less than 2.00ug total lead, based on a 10mL volume.																
Dust Wipe Lead Analysis	The regulatory guidelines for lead dust by wipe sampling are as follows:																
<table border="1"> <thead> <tr> <th>Location</th> <th>EPA Clearance Level</th> <th>EPA Hazard Level</th> <th>New York City DOHMH Standard</th> </tr> </thead> <tbody> <tr> <td>Floors (FL)</td> <td><40.0µg/ft²</td> <td>10.0µg/ft²</td> <td>5.0µg/ft²</td> </tr> <tr> <td>Interior Window Sills (SL)</td> <td><250.0µg/ft²</td> <td>100.0µg/ft²</td> <td>40.0µg/ft²</td> </tr> <tr> <td>Window Wells (WW)</td> <td><400.0µg/ft²</td> <td></td> <td>100.0µg/ft²</td> </tr> </tbody> </table>		Location	EPA Clearance Level	EPA Hazard Level	New York City DOHMH Standard	Floors (FL)	<40.0µg/ft ²	10.0µg/ft ²	5.0µg/ft ²	Interior Window Sills (SL)	<250.0µg/ft ²	100.0µg/ft ²	40.0µg/ft ²	Window Wells (WW)	<400.0µg/ft ²		100.0µg/ft ²
Location	EPA Clearance Level	EPA Hazard Level	New York City DOHMH Standard														
Floors (FL)	<40.0µg/ft ²	10.0µg/ft ²	5.0µg/ft ²														
Interior Window Sills (SL)	<250.0µg/ft ²	100.0µg/ft ²	40.0µg/ft ²														
Window Wells (WW)	<400.0µg/ft ²		100.0µg/ft ²														
The Reporting Limit is 10.00µg Total Pb. Reported results are not corrected for field blanks. Dust wipe area and results are calculated based on area measurements determined by the client.																	
Paint Chip Lead Analysis	The HUD lead guidelines for lead paint chips are 0.50% by weight, 5000 ppm, or 1.0mg/cm ² . The Reporting Limit is 10µg Total Pb.																
Water Lead Analysis	Minimum Reporting Limit: 0.2mg/L lead concentration. EPA Regulatory Limit: 5.0mg/L.																
Soil Lead Analysis	The Federal lead guidelines for lead in soil is 400µg/g (ppm) in play areas, and 1200 µg/g (ppm) in bare soil in the remainder of the yard. The Reporting Limit is 10.0 µg Total Pb.																



HAYES

MICROBIAL CONSULTING
3005 East Boundary Terrace, #F
Midlothian, VA 23112, USA
804.562.3435 Fax: 804.447.5562

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576
(603) 237-9399

Lead - Chain of Custody

Form v.101308.1

HMC #

Job Number: BER-22-1B	Job Name:	Collector: Ronald Guerin	Email: rguerin@callexenvironmental.ca
Date Collected: 5/16/2023	422 CHAMPLAIN	Notes: 1 OF 1	
Mobile: 6033311963			

Sample #	Sample Name	Analysis Type	Volume	TAT	Notes
TCLP-1	422 CHAMPLAIN ST BUILDING COMPOSITE	TCLP - LEAD	+/-110 GR	3 DAY	

N

SHIP: FEDEX - BOX 50
DATE: 05-30-2023

8087 5310 9793

Metals
ASBESTOS

23022039

Analysis Type		Description	Available Turn-Around Times		
Air	LA	NIOSH 7082	Same Day, 1 Day, 3 Day, 5 Day		
Wipe	LW	EPA 7000B Lead Wipe	Same Day, 1 Day, 3 Day, 5 Day		
Paint	LP	EPA 7000B Paint Chip	Same Day, 1 Day, 3 Day, 5 Day		
TCLP	TCLP	TCLP Lead	1 Day, 3 Day		
Relinquished by: RON GUERIN		Date: 5/25/23	Rcvd By: MG	Date: 5/30/23	Time:



APPENDIX D

Asbestos Demolition/Renovation Notification Form Definitions





Asbestos Demolition/Renovation Notification Form

Air Resources Division/Compliance Bureau
Asbestos Management and Control Program

RSA/Rule: RSA 141-E:4, I and II and Env-A 1800



***Complete all sections of this form in detail.**

***See the attached Directions for Completing Your Asbestos Demolition/Renovation Notification Form.**

I. TYPE OF NOTIFICATION (Check One)			
<input checked="" type="checkbox"/> New Notification	<input type="checkbox"/> Revised Notification	<input type="checkbox"/> Cancelled Project	Fee Enclosed: \$

II. PROJECT TYPE (Check All That Apply)	
<input checked="" type="checkbox"/> Demolition <input type="checkbox"/> Renovation <input type="checkbox"/> Pickup and Disposal <input type="checkbox"/> *Emergency <i>*For emergency projects, describe the emergency on a supplemental sheet. Attach any government order requiring the work.</i>	For Official Use, Do not write in this box
<i>*Contact the department to obtain waiver # for inclusion on this form.</i> Waiver #: _____ Date Obtained: _____	

III. BUILDING INFORMATION			
Building/Site Name 373 Champlain Street			
Street Address 373 Champlain Street	Town/City Berlin	State NH	ZIP Code 03576
Year Constructed Circa 1910	Size (ft ²) +/-2,625 Ft2 (3) floors	Number of Floors 3	
Current Use Abandoned	Prior Use Residential multi-family		

IV. ACM INSPECTION AND WORK DETAILS				
Asbestos Supervisor to perform abatement: _____ Cert #: <u>AS</u>				
Asbestos Inspection Conducted by: <u>Calex Environmental, LLC, Ronald Guerin</u> Date: <u>5/23/2023</u>				
Type of inspection (Check all that apply): <input checked="" type="checkbox"/> Visual <input checked="" type="checkbox"/> Analytical Testing <input type="checkbox"/> No ACM Present				
Asbestos Abatement	Demolition	Weekly Work Schedule		
Start Date: _____	Start Date: _____	Days of Work: _____		
End Date: _____	End Date: _____	Time of Day of Work: _____ to _____		
ACM Present		ACM to be Abated		List Types of Asbestos and Location in Building
Friable	Non-Friable	Friable	Non-Friable	
ft	ft	ft	ft	
ft ²	+/- 4,500 ft ²	ft ²	ft ²	
ft ³	ft ³	ft ³	ft ³	
Briefly describe work practices to be employed. Attach additional pages if needed.				

asbestos@des.nh.gov

Phone (603) 271-1373; Fax (603) 271-7053
PO Box 95, Concord, NH 03302-0095

V. PROPERTY OWNER INFORMATION			
Owners Name			
Owners Mailing Address	Town/City	State	ZIP Code
Owner Contact			
Contact's Phone	Email (Optional)		

VI. ABATEMENT CONTRACTOR INFORMATION			
Company Name			
Company Mailing Address	Town/City	State	ZIP Code
Company Contact	Phone Email (Optional)		

VII. DEMOLITION CONTRACTOR INFORMATION			
Company Name			
Company Mailing Address	Town/City	State	ZIP Code
Company Contact	Phone Email (Optional)		

VIII. ACM WASTE TRANSPORTER				
Transporter Name	Mailing Address	Town/City	State	ZIP Code
Transporter Contact Name	Phone Number			

IX. FINAL WASTE DISPOSAL FACILITY				
Facility Name	Street Address	Town/City	State	ZIP Code
Phone Number				

X. I Certify That the Above Information Is Correct	
Signature	Print Name
Title	Date

Asbestos Definitions and Classifications

ACM	(Asbestos Containing Material) – Asbestos product containing more than 1% asbestos. ACM must be disposed of as hazardous material. Note: Federal OSHA controls materials containing any amount of asbestos.
ACBM	(Asbestos Containing Building Material) – AHERA term for material containing more than 1% asbestos in or on interior structural members or other structural components. Includes covered walkways, porticos and exterior HVAC TSI.
PACM	(Presumed Asbestos Containing Material) OSHA considers all TSI and surfacing materials installed prior to 1980 to be ACM unless proven otherwise.
FRIABLE	Asbestos Containing Material that can be crumbled pulverized or reduced to powder by hand pressure when dry.

Categories of Asbestos Used BY EPA AHERA and OSHA

TSI	(Thermal System Insulation) - “Thermal system insulation (TSI)” means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain. “Thermal system insulation ACM” is thermal system insulation which contains more than 1% asbestos.
SURFACING (usually mixed on site at time of application)	“Surfacing material” means material that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes). “Surfacing ACM” means surfacing material which contains more than 1% asbestos. NOTE: OSHA does not classify skim coat, taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing (including textured paint) as surfacing.
MISC.	All other ACM, including taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing as surfacing.

NESHAPS Categories for Asbestos

Category I	Cat I Non-friable Asbestos Containing Material (ACM) refers to asbestos containing packing, gaskets, resilient floor covering, Galbestos, and asphalt roofing products containing more than 1% asbestos.
Category II	Cat II Non-friable Asbestos-Containing Material (ACM) is any material that is not Cat I that contains greater than 1% asbestos.
RACM	“Regulated Asbestos-Containing Material.” – Friable Asbestos containing material (ACM) or a Category I non-friable ACM that has become friable OR a Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading OR Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.