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Pre-Demolition NESHAP Building Inspection

Site:

37-39 Cambridge 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: June 27, 2023

Report Date: July 21, 2023

Calex Project: BER-22-006A/B



July 21, 2023

Calex Project: BER-22-006A/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 and Residential Garage
37-39 Cambridge 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 with a large, prominent "R" and "G".

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 and Residential Garage
37-39 Cambridge Street
Berlin, New Hampshire

Report Date: July 21, 2023

TABLE OF CONTENTS

PRE-DEMOLITION HAZARDOUS BUILDING MATERIAL INSPECTION

SECTION 1: NESHAP ASBESTOS INSPECTION

1. Inspection Summary.....	1
2. Scope of Services.....	1
3. General Site Conditions.....	1
4. Asbestos Inspection Report.....	2
4.1 Homogeneous Areas.....	2
4.2 Sampling Strategy	2
4.3 Asbestos Containing Materials	3
4.4 Other Materials Containing Asbestos	4
4.5 Laboratory Analytical Results	4
5. Assumptions and Limitations	4

SECTION 2: RCRA METAL (LEAD) DETERMINATION

1. Inspection Summary.....	5
2. Scope of Services.....	5
3. Methodology	6
4 Findings.....	6

TABLES

Suspect Building Materials Sampled	Table 1
Asbestos Containing Materials	Table 2

APPENDICES

Appendix A	
Asbestos Inspector Credentials	
Asbestos Laboratory Disclosure of Relationship	
Appendix B	
Laboratory Analytical Reports	
Appendix C	
Photos	
Appendix D	
Asbestos Demolition/Renovation Notification Form	
Definitions	

PRE-DEMOLITION NESHAP ASBESTOS INSPECTION

for

Multi-Family Residential Building and Residential Garage
37-39 Cambridge 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, 2-1/2-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 dwelling consists of an unoccupied, ±30-Ft. x ±36-Ft. (nominal, excluding porches), 2-1/2-story (finished attic), wood framed, three family residence (includes a basement apartment). The building includes 1st and 2nd floor porches on the north side of the building. The building structure is estimated to have been constructed circa 1910 and has undergone a number of renovations over the ensuing years. In addition to the residence, there is a detached garage situated on the eastern side of the property.

Finished interior wall surfaces consist primarily of plaster on lath with some drywall panels with applied joint compound and wood paneling. Some of the dry walled and wood paneled areas are constructed over former plaster/lath finishes and some of the plastered walls have been refinished with texture coatings.

Ceilings are constructed primarily of plaster on lath, some plaster finishes having been refinished with drywall with some including texture coatings. Flooring materials include hardwood flooring, various resilient flooring materials and carpeting.

The exterior of the residence building is covered with wooden clapboard siding applied over a layer of building paper and boards. Many of the window sashes incorporate putty glazing. The building roofs are pitched and covered with asphalt roofing. The building is insulated with cellulose, blown insulation.

The residence is constructed on a full height, subdivided basement, a portion of which is an unfinished area housing the heating system and a larger area containing a residential apartment.

The detached garage is a wood framed and board construction with an asphalt roof.

Several 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 June 27, 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 structures were 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. Soundproofing applied to the bottom of the kitchen sink located in the 1st floor apartment kitchen (Line #1, Sample #1-1) was determined to contain 5% chrysotile asbestos.
- b. Soundproofing applied to the bottom of the kitchen sink located in the 2nd floor apartment kitchen (Line #45, Sample #2-18) was determined to contain 2% chrysotile asbestos.
- c. Asbestos paper applied to a support column and wall (covered with tin sheeting) located nearby the basement furnace (Line #62, Sample #B-1; Line #63, Sample #B-2) was determined to contain 45% chrysotile asbestos.
- d. Aircell pipe insulation remnants inside of an abandoned boiler located in the basement, (Line #64, Sample #B-3; was determined to contain 50% chrysotile asbestos.
- e. Resilient flooring (tan) located on the kitchen floor of the basement apartment (Line #69, Sample #B-8, Line #70; Sample #B-9) was determined to contain 10% chrysotile asbestos.
- f. Soundproofing applied to the bottom of the kitchen sink located in the basement apartment kitchen (discarded on floor) (Line #76, Sample #B-15) was determined to contain 3% chrysotile asbestos.
- g. Soundproofing applied to the bottom of the kitchen sink located in the basement apartment kitchen (in countertop) (Line #79, Sample #B-18) was determined to contain 3% chrysotile asbestos.

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. Texture coating applied to drywall (Line #72, Sample #B-11) in the basement apartment was initially determined to contain 2% chrysotile asbestos. Subsequent analysis completed utilizing 400-point counting indicated that the texture coating material contained less than 1% asbestos, (i.e., 0.25%).

4.5 Laboratory Analytical Results

Bulk samples were analyzed by Hayes Microbial Consulting (Hayes), 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 **June 27, 2023**, Calnex inspection of the building(s) described herein, located at **37-39 Cambridge 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 on 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.

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 ±150-gram RBM sample was collected by Calnex on June 27, 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, VA¹. 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 **<0.5 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.

¹ Analysis was subcontracted by Hayes to EHS Lab, Lab ID# 11714.



TABLES

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





TABLE 1

SUSPECT BUILDING MATERIALS SAMPLED

PROJECT:	BER-22-6A	
SITE:	37-39 CAMBRIDGE STREET	
SAMPLE DATE:	June 27, 2023	
MATERIAL	LOCATION	SAMPLE ID
SOUNDPROOFING	1ST FLOOR KITCHEN SINK	1-1
LAMINATE W/ ADHESIVE	1ST FLOOR KITCHEN COUNTER	1-2
CAULKING	1ST FLOOR KITCHEN COUNTER	1-3
MASONITE W/ ADHESIVE	1ST FLOOR KITCHEN WALLS	1-4
MASONITE W/ ADHESIVE	1ST FLOOR KITCHEN WALLS	1-5
BRICK VENEER W/ THINSET	1ST FLOOR KITCHEN WALLS	1-6
BRICK VENEER W/ THINSET	1ST FLOOR KITCHEN WALLS	1-7
JOINT COMPOUND	1ST FLOOR KITCHEN WALLS	1-8
CELLULOSE BOARD (HOMOSOTE)	1ST FLOOR KITCHEN WALLS	1-9
DRYWALL	1ST FLOOR KITCHEN WALLS	1-10
CEMENT SIDING	1ST FLOOR KITCHEN (LOOSE ON FLOOR)	1-11
PLASTER	1ST FLOOR KITCHEN CEILING	1-12
PLASTER	1ST FLOOR KITCHEN WALLS	1-13
RESILENT FLOORING W/ ADHESIVE	1ST FLOOR BATHROOM	1-14
RESILENT FLOORING W/ ADHESIVE	1ST FLOOR BATHROOM	1-15
ROSIN PAPER	1ST FLOOR BATHROOM (BENEATH HW FLOOR)	1-16
JOINT COMPOUND	1ST FLOOR BATHROOM WALL	1-17
DRYWALL	1ST FLOOR BATHROOM WALL	1-18
GLAZING	1ST FLOOR BATHROOM WINDOW	1-19
JOINT COMPOUND ON DRYWALL	1ST FLOOR LIVING ROOM WALL	1-20
JOINT COMPOUND ON DRYWALL	1ST FLOOR BEDROOM 2	1-21
CELLULOSE CEILING TILE	1ST FLOOR BEDROOM 2	1-22
PLASTER	1ST FLOOR BEDROOM 2 CEILING	1-23
GLAZING	1ST FLOOR BEDROOM 2 WINDOW	1-24
SKIM COAT ON HOMOSOTE	1ST FLOOR DEN CEILING	1-25
SKIM COAT ON HOMOSOTE	1ST FLOOR DEN CEILING	1-26
RESILIENT FLOORING	1ST FLOOR PANTRY	1-27
RESILIENT FLOORING	1ST FLOOR PANTRY	1-29
PLASTER	1ST FLOOR PANTRY WALL	1-31
GLAZING	2ND FLOOR LIVING ROOM (EAST)	2-1
GLAZING	2ND FLOOR LIVING ROOM (SOUTH)	2-2
LOOSE	2ND FLOOR LIVING ROOM WALL	2-3
PLASTER	2ND FLOOR DEN CEILING	2-4
CELLULOSE CEILING TILE	2ND FLOOR DEN CEILING	2-5
RESILENT FLOORING	2ND FLOOR BATHROOM (LAYER 1)	2-6
RESILENT FLOORING W/ ADHESIVE	2ND FLOOR BATHROOM (LAYER 2)	2-8
RESILENT FLOORING W/ ADHESIVE	2ND FLOOR BATHROOM (LAYER 2)	2-9
PLASTER	2ND FLOOR BEDROOM 1 WALL	2-11
RESILIENT FLOORING	2ND FLOOR BATHROOM (LAYER 1) AROUND TUB	2-12
RESILIENT FLOORING	2ND FLOOR BATHROOM (LAYER 2) AROUND TUB	2-13
GLAZING	2ND FLOOR BEDROOM 1 WINDOW (NORTH)	2-14
GLAZING	2ND FLOOR BEDROOM 1 WINDOW (EAST)	2-15
DRYWALL	2ND FLOOR BATHROOM	2-16
GLAZING	2ND FLOOR KITCHEN	2-17
SOUNDPROOFING	2ND FLOOR KITCHEN SINK	2-18
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR KITCHEN	2-19
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR KITCHEN	2-20
GLAZING	2ND FLOOR BEDROOM 2	2-22
LAMINATE W/ ADHESIVE	2ND FLOOR KITCHEN COUNTER	2-24

(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-22-6A	
SITE:	37-39 CAMBRIDGE STREET	
SAMPLE DATE:	June 27, 2023	
MATERIAL	LOCATION	SAMPLE ID
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR KITCHEN (BORDER)	2-25
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR KITCHEN (BORDER)	2-26
GLAZING	3RD FLOOR DORM	3-1
RESILIENT FLOORING	3RD FLOOR EAST DORMER	3-2
RESILIENT FLOORING	3RD FLOOR EAST DORMER	3-4
PLASTER	3RD FLOOR CEILING	3-5
TEXTURE COATING	3RD FLOOR CEILING	3-6
DRYWALL	3RD FLOOR CUBBY HOLE	3-7
JOINT COMPOUND	3RD FLOOR CUBBY HOLE	3-8
DRYWALL	3RD FLOOR SLOPED CEILING	3-9
JOINT COMPOUND	3RD FLOOR SLOPED CEILING	3-12
ADHESIVE ON CARPET	3RD FLOOR (WEST DORMER)	3-13
PAPER	BASEMENT ASBESTOS PAPER COLUMN BY FURNACE	B-1
PAPER	BASEMENT ASBESTOS PAPER FURNACE BEHIND TIN	B-2
PAPER (AIRCELL)	BASEMENT INSIDE ABANDONED BOILER	B-3
GASKET	BASEMENT ABANDONED BOILER DOOR	B-4
FURNACE CEMENT	BASEMENT FURNANCE/CHIMMNEY CONNECTION	B-5
CELLULUSE BOARD (HOMOSOTE)	BASEMENT WALL	B-6
DRYWALL W/ JOINT COMPOUND	BASEMENT APT BEDROOM 1 CEILING	B-7
RESILIENT FLOORING	BASEMENT APT KITCHEN	B-8
RESILIENT FLOORING	BASEMENT APT KITCHEN	B-9
PLASTER	BASEMENT APT BED 1 WALL	B-10
TEXTURE COATING ON DRYWALL	BASEMENT APT KITCHEN	B-11
ADHESIVE ON PANELING	BASEMENT APT KITCHEN WALL	B-12
ADHESIVE ON PANELING	BASEMENT APT KITCHEN WALL	B-13
PLASTER	BASEMENT APT KITCHEN CEILING	B-14
SOUNDPROOFING	BASEMENT APT KITCHEN SINK (ON FLOOR)	B-15
RESILIENT FLOORING	BASEMENT APT BATHROOM (SIDE TUB SURROUND)	B-16
RESILIENT FLOORING W/ ADHESIVE	BASEMENT APT BATHROOM FLOOR	B-17
SOUNDPROOFING	BASEMENT APT KITCHEN SINK (IN COUNTER TOP)	B-18
CERAMIC TILE WITH ADHESIVE	BASEMENT APT BATHROOM (STEP FRONT BATH TUB)	B-19
LAMINATE W/ ADHESIVE	BASEMENT APT KITCHEN COUNTER	B-20
LAMINATE W/ ADHESIVE	BASEMENT APT KITCHEN COUNTER	B-21
ADHESIVE ON MASONITE	BASEMENT APT BATHROOM WALL	B-22
PLASTER	BASEMENT APT BEDROOM 2 CEILING	B-23
CEILING TILE	BASEMENT APT BEDROOM 2 CEILING	B-24
PLASTER	BASEMENT APT BEDROOM 2 WALL	B-26
GLAZING	BASEMENT APT ELEC ROOM WINDOW	B-27
GLAZING	BASEMENT APT BATHROOM	B-28
ASPHALT ROOFING	MAIN ROOF LAYER 3	E-1
ASPHALT ROOFING	MAIN ROOF LAYER 2	E-2
ASPHALT ROOFING	MAIN ROOF LAYER 1	E-3
ASPHALT ROOFING	MAIN ROOF LAYER 3	E-4
ASPHALT ROOFING	MAIN ROOF LAYER 2	E-5
ASPHALT ROOFING	MAIN ROOF LAYER 1	E-6
BUILDING PAPER	UNDER SHINGLES	E-7
BUILDING PAPER	UNDER CLAPBOARDS	E-8
ASPHALT SHINGLE	LOWER WRAP ROOF 2ND FLOOR (LAYER 1)	E-9
ASPHALT SHINGLE	LOWER WRAP ROOF 2ND FLOOR (LAYER 2)	E-10

(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-22-6A	
SITE:	37-39 CAMBRIDGE STREET	
SAMPLE DATE:	June 27, 2023	
MATERIAL	LOCATION	SAMPLE ID
ASPHALT PAPTER	FOUNDATION COVER BY STREET (NORTH)	E-11
ASPHALT PAPER	1ST FLOOR BY DOOR	E-12
ASPHALT ROOFING	PORCH ROOF EAST (30% REPAIR AREA)	E-13
ASPHALT ROOFING	PORCH ROOF EAST (70% ORIGINAL AREA) (LAYER 1)	E-14
ASPHALT ROOFING	PORCH ROOF EAST (LAYER 2)	E-15
ASPHALT SHINGLE	GARAGE (LAYER 1)	G-1
ASPHALT PAPER	GARAGE (LAYER 2)	G-2

(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-22-6A
 SITE: 37-39 CAMBRIDGE STREET
 SAMPLE DATE: June 27, 2023

MATERIAL	LOCATION	SAMPLE ID	APPROX. QUANTITY	ASBESTOS CONTENT	AHERA CLASS			NESHAP CLASS		
					S	T	M	F	C1	C2
SOUNDPROOFING	1ST FLOOR KITCHEN, BOTTOM OF KITCHEN SINK	1-1	2 FT2	5%			X			X
SOUNDPROOFING	2ND FLOOR KITCHEN, BOTTOM OF KITCHEN SINK	2-18	2 FT2	2%			X			X
ASBESTOS PAPER	BASEMENT, ON COLUMN AND WALL (BEHIND TIN SHEETING) NEAR FURNACE	B-1, B-2	50 FT2	45%			X	X		
AIRCELL PIPE INSULATION	BASEMENT, INSIDE ABANDONED BOILER (REMNANTS)	B-3	< 1 FT2	50%		X		X		
RESILIENT FLOORING	BASEMENT APARTMENT, KITCHEN FLOOR	B-8, B-9	230 FT2	10%			X		X	
SOUNDPROOFING	BASEMENT APARTMENT, BOTTOM OF KITCHEN SINK (SINK REMOVED AND ON FLOOR)	B-15	2 FT2	3%			X			X
SOUNDPROOFING	BASEMENT APARTMENT, BOTTOM OF KITCHEN SINK (SINK IN COUNTER TOP)	B-18	2 FT2	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 *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


August 17, 2022
Course Dates

22-4305-106-241024
Certificate Number

Course Location
Zoom Video Conference
Institute for Environmental Education 18 Upton Drive Wilmington, MA 01887

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: July 21, 2023

Ronald T. Guerin
President, Calex Environmental, LLC

Inspector
Signature:

Ronald T. Guerin

Date: July 21, 2023

Ronald T. Guerin
Inspector





APPENDIX B

Laboratory Analytical Reports





#23027187

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-6A
37-39 Cambridge Street

Collected: **June 27, 2023**
Received: **July 6, 2023**
Reported: **July 14, 2023**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 104 samples by FedEx in good condition for this project on July 6th, 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	1-1 - Soundproofing	Soundproofing / Off-White		5% Chrysotile
2	1-2 - Laminate w/Ahdesive	Flooring / Black	55% Cellulose Fibers	None Detected
3	1-3 - Caulking	Caulk / Black		None Detected
4	1-4 - Masonite w/Adhesive	Joint Compound-like / Cream		None Detected
		Masonite / Brown	80% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
5	1-5 - Masonite w/Adhesive	Joint Compound-like / Cream		None Detected
		Masonite / Brown	80% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
6	1-6 - Brick Veneer w/Thinset	Brick / Red		None Detected
		Thinset / Gray		None Detected
7	1-7 - Brick Veneer w/Thinset	Brick / Red		None Detected
		Thinset / Gray		None Detected
8	1-8 - Joint Compound	Joint Compound / White		None Detected
9	1-9 - Cellulose Board (Homosote)	Fiber Board / Brown	98% Cellulose Fibers	None Detected



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Project Analyst:
 Megan Audia, *Megan Audia*

Date:
07 - 19 - 2023

Reviewed By:
 David McDonald, PHR *David McDonald*

Date:
07 - 19 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
10	1-10 - Drywall	Drywall / Green	5% Cellulose Fibers	None Detected
11	1-11 - Cement Siding	Cementitious / Gray	15% Cellulose Fibers	None Detected
12	1-12 - Plaster	Rough Coat / Gray		None Detected
13	1-13 - Plaster	Rough Coat / Gray		None Detected
14	1-14 - Resilient Flooring w/Adhesive	Flooring / Brown	5% Fiberglass	None Detected
		Adhesive / Tan		None Detected
15	1-15 - Resilient Flooring w/Adhesive	Flooring / Brown	5% Fiberglass	None Detected
		Adhesive / Tan		None Detected
16	1-16 - Rosin Paper	Paper / Brown	98% Cellulose Fibers	None Detected
17	1-17 - Joint Compound	Joint Compound / White		None Detected
18	1-18 - Drywall	Drywall / Off-White	5% Cellulose Fibers	None Detected
19	1-19 - Glazing	Glazing / Cream		None Detected
20	1-20 - Joint Compound on Drywall	Joint Compound / Drywall / White		None Detected
Lab Note: Composite of Drywall & Joint Compound.				



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Date:
 07 - 19 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
21	1-21 - Joint Compound on Drywall Lab Note: Composite of Drywall & Joint Compound.	Joint Compound / Drywall / White		None Detected
22	1-22 - Cellulose Ceiling Tile	Ceiling Tile / White	95% Cellulose Fibers	None Detected
23	1-23 - Plaster	Rough Coat / Gray		None Detected
24	1-24 - Glazing	Glazing / Cream		None Detected
25	1-25 - Skim Coat on Homosote	Skim Coat / White		None Detected
26	1-26 - Skim Coat on Homosote	Skim Coat / White		None Detected
27	1-27 - Resilient Flooring	Flooring / Brown	5% Fiberglass	None Detected
28	1-29 - Resilient Flooring	Flooring / Beige	45% Cellulose Fibers	None Detected
29	1-31 - Plaster	Rough Coat / Gray		None Detected
30	2-1 - Glazing	Glazing / Tan		None Detected
31	2-2 - Glazing	Glazing / Cream		None Detected
32	2-3 - Loose	Insulation / Tan	98% Cellulose Fibers	None Detected
33	2-4 - Plaster	Rough Coat / Tan		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
34	2-5 - Cellulose Ceiling Tile	Ceiling Tile / White	95% Cellulose Fibers	None Detected
35	2-6 - Resilient Flooring	Flooring / Beige	5% Fiberglass	None Detected
36	2-8 - Resilient Flooring w/Adhesive	Flooring / Brown	35% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
37	2-9 - Resilient Flooring w/Adhesive	Flooring / Brown	35% Cellulose Fibers	None Detected
		Adhesive / Yellow		None Detected
38	2-11 - Plaster	Rough Coat / Tan		None Detected
39	2-12 - Resilient Flooring	Flooring / Beige	5% Fiberglass	None Detected
40	2-13 - Resilient Flooring	Flooring / Cream		None Detected
41	2-14 - Glazing	Glazing / Tan		None Detected
42	2-15 - Glazing	Glazing / Tan		None Detected
43	2-16 - Drywall	Drywall / Tan	5% Cellulose Fibers	None Detected
44	2-17 - Glazing	Glazing / Beige		None Detected
45	2-18 - Soundproofing	Soundproofing / Black		2% Chrysotile



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Date:
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
46	2-19 - Resilient Flooring w/Adhesive	Flooring / Gray		None Detected
		Adhesive / Clear		None Detected
47	2-20 - Resilient Flooring w/Adhesive	Flooring / Gray		None Detected
		Adhesive / Clear		None Detected
48	2-22 - Glazing	Glazing / White		None Detected
49	2-24 - Laminate w/Adhesive	Laminate / Cream		None Detected
		Adhesive / Yellow		None Detected
50	2-25 - Resilient Flooring w/Adhesive	Flooring / Black		None Detected
		Adhesive / Clear		None Detected
51	2-26 - Resilient Flooring w/Adhesive	Flooring / Black		None Detected
		Adhesive / Clear		None Detected
52	3-1 - Glazing	Glazing / Tan		None Detected
53	3-2 - Resilient Flooring	Flooring / Tan	20% Cellulose Fibers	None Detected
54	3-4 - Resilient Flooring	Flooring / Beige		None Detected
55	3-5 - Plaster	Rough Coat / Beige		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
56	3-6 - Texture Coating	Texture / White		None Detected
57	3-7 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
58	3-8 - Joint Compound	Joint Compound / White		None Detected
59	3-9 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
60	3-12 - Joint Compound	Joint Compound / White		None Detected
61	3-13 - Adhesive on Carpet	Adhesive		(Not Analyzed)
	Lab Note: Sample Not Submitted			
62	B-1 - Paper	Paper / Off-White		45% Chrysotile
63	B-2 - Paper	Paper / Off-White		45% Chrysotile
64	B-3 - Paper (Aircell)	Paper / Cream		50% Chrysotile
65	B-4 - Gasket	Bulk Material / Black		None Detected
66	B-5 - Furnace Cement	Cementitious / Gray		None Detected
67	B-6 - Cellulose Board (Homosote)	Fiber Board / Brown	98% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
68	B-7 - Drywall w/Joint Compound	Drywall / White	5% Cellulose Fibers	None Detected
		Joint Compound / White		None Detected
69	B-8 - Resilient Flooring	Flooring / Tan		10% Chrysotile
70	B-9 - Resilient Flooring	Flooring / Tan		10% Chrysotile
71	B-10 - Plaster	Rough Coat / Tan		None Detected
72	B-11 - Texture Coating on Drywall	Texture / White		2% Chrysotile
		Drywall / White	5% Cellulose Fibers	None Detected
73	B-12 - Adhesive on Paneling	Adhesive / Yellow		None Detected
		Fiber Board / Brown	98% Cellulose Fibers	None Detected
74	B-13 - Adhesive on Paneling	Adhesive / Yellow		None Detected
		Fiber Board / Brown	98% Cellulose Fibers	None Detected
75	B-14 - Plaster	Rough Coat / Tan		None Detected
76	B-15 - Soundproofing	Soundproofing / Black		3% Chrysotile
77	B-16 - Resilient Flooring	Flooring / Cream		None Detected



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Date:
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
78	B-17 - Resilient Flooring w/Adhesive	Flooring / Brown		None Detected
		Adhesive / Clear		None Detected
79	B-18 - Soundproofing	Soundproofing / Black		3% Chrysotile
80	B-19 - Ceramic Tile with Adhesive	Ceramic Tile / Tan		None Detected
		Adhesive / Yellow		None Detected
81	B-20 - Laminate w/Adhesive	Laminate / Off-White		None Detected
		Adhesive / Yellow		None Detected
82	B-21 - Laminate w/Adhesive	Laminate / Off-White		None Detected
		Adhesive / Yellow		None Detected
83	B-22 - Adhesive on Masonite	Adhesive / Tan		None Detected
		Masonite / Brown	98% Cellulose Fibers	None Detected
84	B-23 - Plaster	Rough Coat / Tan		None Detected
85	B-24 - Ceiling Tile	Ceiling Tile / White	65% Cellulose Fibers 15% Fiberglass	None Detected
86	B-26 - Plaster	Rough Coat / Tan		None Detected
87	B-27 - Glazing	Glazing / Brown		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
88	B-28 - Glazing	Glazing / Tan		None Detected
89	E-1 - Asphalt Roofing	Roofing / Black	15% Fiberglass	None Detected
90	E-2 - Asphalt Roofing	Roofing / Black	15% Fiberglass	None Detected
91	E-3 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
92	E-4 - Asphalt Roofing	Roofing / Black	15% Fiberglass	None Detected
93	E-5 - Asphalt Roofing	Roofing / Black	15% Fiberglass	None Detected
94	E-6 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
95	E-7 - Building Paper	Paper / Brown	98% Cellulose Fibers	None Detected
96	E-8 - Building Paper	Paper / Brown	98% Cellulose Fibers	None Detected
97	E-9 - Building Paper	Shingle / Black	15% Fiberglass	None Detected
	Lab Note: Paper Material Not Observed			
98	E-10 - Building Paper	Shingle / Black	15% Fiberglass	None Detected
	Lab Note: Paper Material Not Observed			
99	E-11 - Asphalt Paper	Felt / Black	65% Cellulose Fibers	None Detected



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Date:
 07 - 19 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
100	E-12 - Asphalt Paper	Felt / Black	65% Cellulose Fibers	None Detected
101	E-13 - Asphalt Roofing	Roofing / Black	15% Fiberglass	None Detected
102	E-14 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
103	E-15 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	None Detected
104	G-1 - Asphalt Shingle	Shingle / Black	10% Cellulose Fibers	None Detected
105	G-2 - Asphalt Paper	Shingle / Black	10% Cellulose Fibers	None Detected



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Date:
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Asbestos 400 Point Count

#	Sample	Material Description	Total Points	Non-Asbestos Fibers	Asbestos Fibers
72	B-11 - Texture Coating on Drywall	Texture / White	400		0.25% Chrysotile



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Asbestos Analysis Information

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 **8** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
100 E-11	ASPHALT PAPER	PLM		5 DAY		
E-12	ASPHALT PAPER	PLM		5 DAY		
E-13	ASPHALT ROOFING	PLM		5 DAY		
E-14	ASPHALT ROOFING	PLM		5 DAY		
E-15	ASPHALT ROOFING	PLM		5 DAY		
G-1	ASPHALT SHINGLE	PLM		5 DAY		
100 G-2	ASPHALT PAPER	PLM		5 DAY		
106						

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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N

IP: FEDEX - BOX 50
 7-06-2023

3310 9830

METALS



33027107



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MICROBIAL CONSULTING
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 Midlothian, VA 23112, USA
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 COLEBROOK, NH 03576

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PAGE **1** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-1	SOUNDPROOFING	PLM		5 DAY		
1-2	LAMINATE W/ ADHESIVE	PLM		5 DAY		
1-3	CAULKING	PLM		5 DAY		
1-4	MASONITE W/ ADHESIVE	PLM		5 DAY		
1-5	MASONITE W/ ADHESIVE	PLM		5 DAY		
1-6	BRICK VENEER W/ THINSET	PLM		5 DAY		
1-7	BRICK VENEER W/ THINSET	PLM		5 DAY		
1-8	JOINT COMPOUND	PLM		5 DAY		
1-9	CELLULOSE BOARD (HOMOSOTE)	PLM		5 DAY		
1-10	DRYWALL	PLM		5 DAY		
1-11	CEMENT SIDING	PLM		5 DAY		
1-12	PLASTER	PLM		5 DAY		
1-13	PLASTER	PLM		5 DAY		
14 1-14	RESILENT FLOORING W/ ADHESIVE	PLM		5 DAY		

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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SHIP: FEDEX - BOX 50
 DATE: 07-06-2023

METALS



8087 5310 9830



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PAGE 2 OF 8

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023 Notes: SAMPLE 1-20 AND 1-21 UTILIZE COMPOSITE ANALYSIS FOR DRYWALL AND JOINT COMPOUND

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
15 1-15	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-16	ROSIN PAPER	PLM		5 DAY		
1-17	JOINT COMPOUND	PLM		5 DAY		
1-18	DRYWALL	PLM		5 DAY		
1-19	GLAZING	PLM		5 DAY		
1-20	JOINT COMPOUND ON DRYWALL	PLM		5 DAY		
1-21	JOINT COMPOUND ON DRYWALL	PLM		5 DAY		
1-22	CELLULOSE CEILING TILE	PLM		5 DAY		
1-23	PLASTER	PLM		5 DAY		
1-24	GLAZING	PLM		5 DAY		
1-25	SKIM COAT ON HOMOSOTE	PLM		5 DAY		
1-26	SKIM COAT ON HOMOSOTE	PLM		5 DAY		
1-27	RESILIENT FLOORING	PLM		5 DAY		
29 1-29	RESILIENT FLOORING	PLM		5 DAY		

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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N

SHIP: FEDEX - BOX 50
 DATE: 07-06-2023



8087 5310 9830

METALS



22027107



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 Midlothian, VA 23112, USA
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Form v.101302.5

PAGE **3** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

30

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-31	PLASTER	PLM		5 DAY		
2-1	GLAZING	PLM		5 DAY		
2-2	GLAZING	PLM		5 DAY		
2-3	LOOSE	PLM		5 DAY		
2-4	PLASTER	PLM		5 DAY		
2-5	CELLULOSE CEILING TILE	PLM		5 DAY		
2-6	RESILENT FLOORING	PLM		5 DAY		
2-8	RESILENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-9	RESILENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-11	PLASTER	PLM		5 DAY		
2-12	RESILIENT FLOORING	PLM		5 DAY		
2-13	RESILIENT FLOORING	PLM		5 DAY		
2-14	GLAZING	PLM		5 DAY		
43 2-15	GLAZING	PLM		5 DAY		

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: 7/03/2023 Rcvd By: *JM* Date: 7/6/23

Hayes Microbial Consulting :: 3005 East Boundary Terrace, Suite F :: Midlothian, VA 23112 :: USA :: www.hayesmicrobial.com :: info@hayesmicrobial.com

N

SHIP: FEDEX - BOX 50
 DATE: 07-06-2023



8087 5310 9830



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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 **4** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
44 2-16	DRYWALL	PLM		5 DAY		
2-17	GLAZING	PLM		5 DAY		
2-18	SOUNDPROOFING	PLM		5 DAY		
2-19	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-20	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-22	GLAZING	PLM		5 DAY		
2-24	LAMINATE W/ ADHESIVE	PLM		5 DAY		
2-25	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-26	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
3-1	GLAZING	PLM		5 DAY		
3-2	RESILIENT FLOORING	PLM		5 DAY		
3-4	RESILIENT FLOORING	PLM		5 DAY		
3-5	PLASTER	PLM		5 DAY		
51 3-6	TEXTURE COATING	PLM		5 DAY		

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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Company:

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 PO BOX 236
 COLEBROOK, NH 03576

Asbestos - Chain of Custody

Form v.101302.5

PAGE **5** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Mobile: 6033311963

Notes:

58

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
3-7	DRYWALL	PLM		5 DAY		
3-8	JOINT COMPOUND	PLM		5 DAY		
3-9	DRYWALL	PLM		5 DAY		
3-12	JOINT COMPOUND	PLM		5 DAY		
3-13	ADHESIVE ON CARPET	PLM		5 DAY		
B-1	PAPER	PLM		5 DAY		
B-2	PAPER	PLM		5 DAY		
B-3	PAPER (AIRCELL)	PLM		5 DAY		
B-4	GASKET	PLM		5 DAY		
B-5	FURNACE CEMENT	PLM		5 DAY		
B-6	CELLULOSE BOARD (HOMOSOTE)	PLM		5 DAY		
B-7	DRYWALL W/ JOINT COMPOUND	PLM		5 DAY		
B-8	RESILIENT FLOORING	PLM		5 DAY		
B-9	RESILIENT FLOORING	PLM		5 DAY		

11

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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Asbestos - Chain of Custody

Form v.101302.5

PAGE **6** OF **8**

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

17

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
B-10	PLASTER	PLM		5 DAY		
B-11	TEXTURE COATING ON DRYWALL	PLM		5 DAY		
B-12	ADHESIVE ON PANELING	PLM		5 DAY		
B-13	ADHESIVE ON PANELING	PLM		5 DAY		
B-14	PLASTER	PLM		5 DAY		
B-15	SOUNDPROOFING	PLM		5 DAY		
B-16	RESILIENT FLOORING	PLM		5 DAY		
B-17	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
B-18	SOUNDPROOFING	PLM		5 DAY		
B-19	CERAMIC TILE WITH ADHESIVE	PLM		5 DAY		
B-20	LAMINATE W/ ADHESIVE	PLM		5 DAY		
B-21	LAMINATE W/ ADHESIVE	PLM		5 DAY		
B-22	ADHESIVE ON MASONITE	PLM		5 DAY		
B-23	PLASTER	PLM		5 DAY		

6

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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METALS



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Company:

CALEX ENVIRONMENTAL, LLC

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COLEBROOK, NH 03576

Asbestos - Chain of Custody

Form v.101302.5

PAGE 7 OF 8

HMC #

Job Number: BER-22-6A Job Name: 37-39 CAMBRIDGE STREET Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/27/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
B-24	CEILING TILE	PLM		5 DAY		
B-26	PLASTER	PLM		5 DAY		
B-27	GLAZING	PLM		5 DAY		
B-28	GLAZING	PLM		5 DAY		
E-1	ASPHALT ROOFING	PLM		5 DAY		
E-2	ASPHALT ROOFING	PLM		5 DAY		
E-3	ASPHALT ROOFING	PLM		5 DAY		
E-4	ASPHALT ROOFING	PLM		5 DAY		
E-5	ASPHALT ROOFING	PLM		5 DAY		
E-6	ASPHALT ROOFING	PLM		5 DAY		
E-7	BUILDING PAPER	PLM		5 DAY		
E-8	BUILDING PAPER	PLM		5 DAY		
E-9	ASPHALT SHINGLE	PLM		5 DAY		
E-10	ASPHALT SHINGLE	PLM		5 DAY		

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: 7/03/2023 Rcvd By: *Jm* Date: 7/6/23

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SHIP: FEDEX - BOX 50
DATE: 07-06-2023

METALS



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#23027174

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-6B
37-39 Cambridge

Collected: **June 27, 2023**
Received: **July 6, 2023**
Reported: **July 11, 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 July 6th, 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 - 37-39 Cambridge Ave Building Composite	100	<0.50	5.0	0.50



Collected: Jun 27, 2023

Received: Jul 6, 2023

Reported: Jul 11, 2023

Project Analyst:
David McDonald, PHR *David McDonald*

Date:
07 - 11 - 2023

Reviewed By:
Steve Hayes, BSMT *Stephen N. Hayes*

Date:
07 - 11 - 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:	Job Name:	Collector:	Email:
Date Collected:	Notes:		
Mobile:			

Sample #	Sample Name	Analysis Type	Volume	TAT	Notes

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:	Date:	Rcvd By:	Date:	Time:
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APPENDIX C

Photos



37-39 Cambridge Street
Berlin, New Hampshire



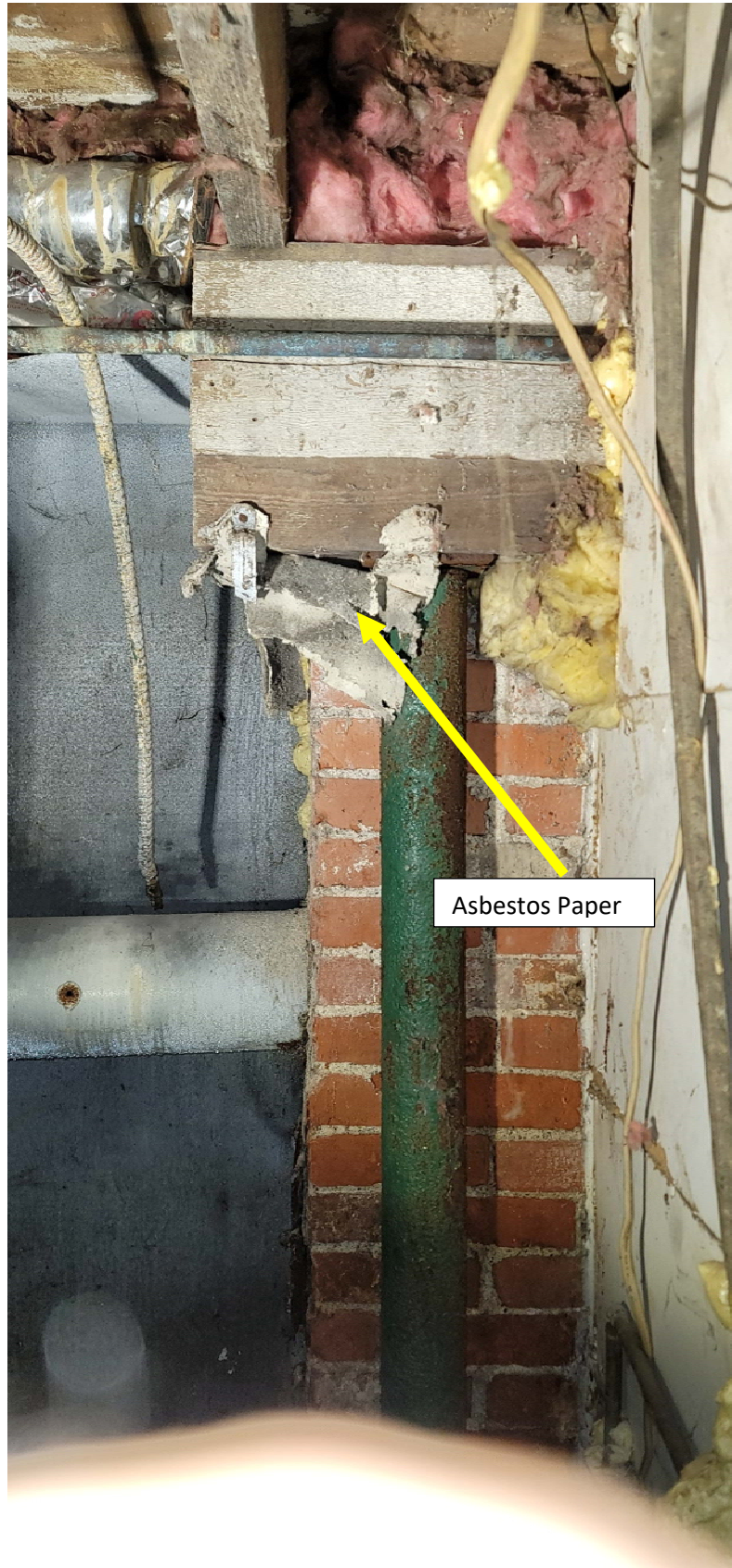
Asbestos Paper (Sample B2) in Basement, Behind Tin Sheetting.

37-39 Cambridge Street
Berlin, New Hampshire



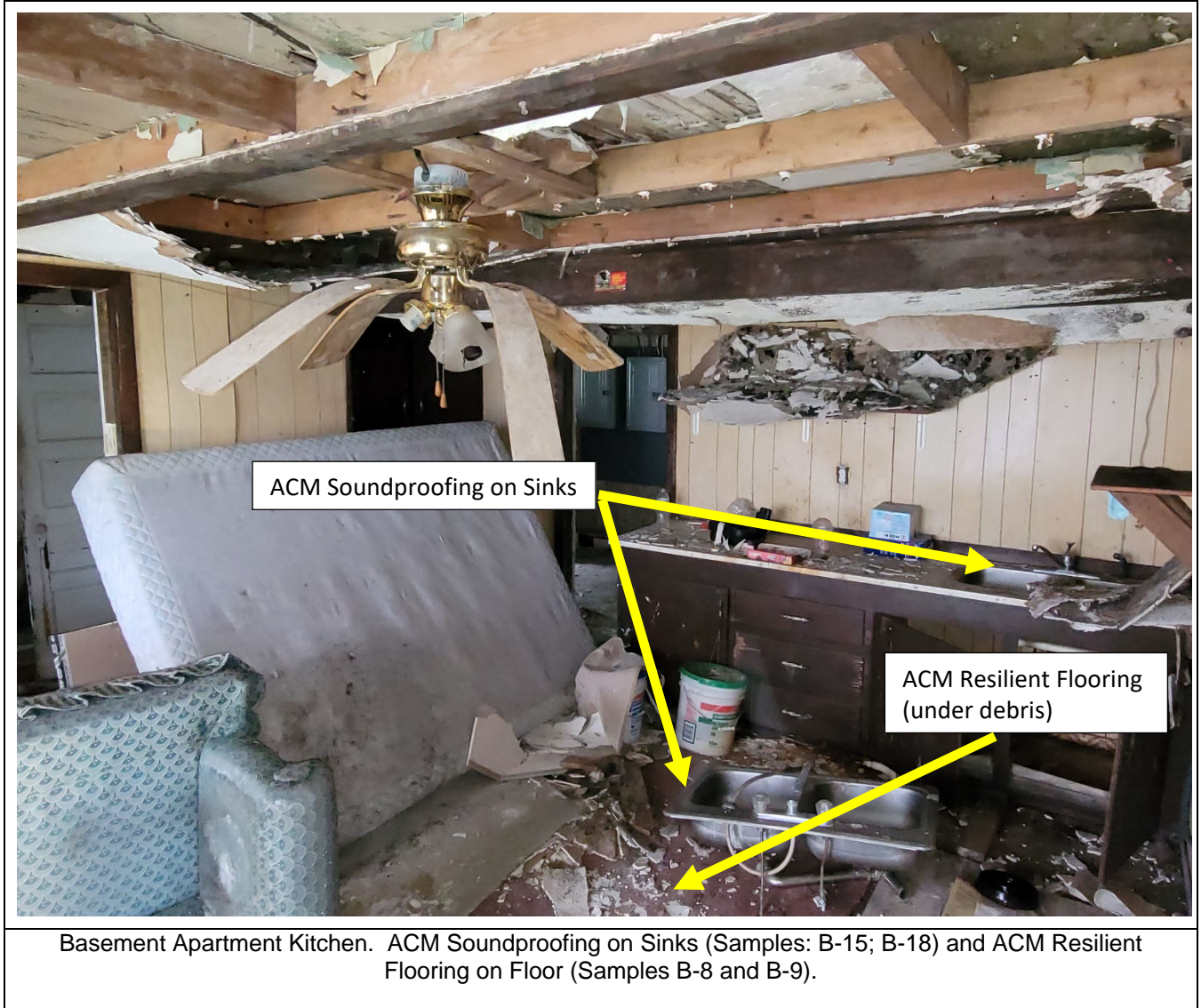
Abandoned Boiler in Basement. Aircell (ACM) Pipe Insulation Remnants Inside (Sample B-3).

37-39 Cambridge Street
Berlin, New Hampshire



Asbestos Paper Near Column in Basement (Sample B-1)

37-39 Cambridge Street
Berlin, New Hampshire





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 <small>*For emergency projects, describe the emergency on a supplemental sheet. Attach any government order requiring the work.</small>	For Official Use, Do not write in this box
<small>*Contact the department to obtain waiver # for inclusion on this form.</small> Waiver #: _____ Date Obtained: _____	

III. BUILDING INFORMATION			
Building/Site Name 37-39 Cambridge			
Street Address 37-39 Cambridge Street	Town/City Berlin	State NH	ZIP Code 03576
Year Constructed Circa 1910	Size (ft ²) +/-3,300 Ft ² (2) floors + attic + basement apartment	Number of Floors 2-1/2	
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>6/27/2023</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	
Friable	Non-Friable	Friable	Non-Friable
ft	ft	ft	ft
+/- 50	+/- 240	ft ²	ft ²
ft ²	ft ²	ft ³	ft ³
ft ³	ft ³	ft ³	ft ³
List Types of Asbestos and Location in Building Soundproofing back of (4) kitchen sinks (2%-5%); resilient flooring basement kitchen (10%); asbestos paper basement (45%); aircell pipe insulation basement (50%). All chrysotile.			
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.