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# Pre-Demolition NESHAP Building Inspection

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## Site:

609 Hillsboro Street  
Berlin, NH

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## Prepared for:

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

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## Prepared by:

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

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**Inspection Date:** June 8, 2023

**Report Date:** July 5, 2023

**Calex Project:** BER-22-004A/B

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July 5, 2023

**Calex Project: BER-22-004A/B**

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

**Emailed:** [plaflamme@berlinnh.gov](mailto:plaflamme@berlinnh.gov)

(603) 752-8587

**Re: Pre-Demolition Building Inspection  
Residential Multi-Family Building  
609 Hillsboro 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  
609 Hillsboro Street  
Berlin, New Hampshire

Report Date: July 5, 2023

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**PRE-DEMOLITION  
NESHAP ASBESTOS INSPECTION**  
for  
**Multi-Family Residential Building  
609 Hillsboro 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, ±24-Ft. x ±26-Ft., (nominal, excluding porches), 3-story, wood framed, three family residence. An ±8-Ft. x ±15-Ft “bump out” on the western end of the building provides additional finished space, (i.e., bathrooms) and unfinished sheds. Constructed beyond the shed/bathroom “bump out” is a one story shed building (±8-Ft. x ±15-Ft) at ground level. The main building includes open porches on the first and second floor facing the street and additional open porches with access stairways for all three floors along the south side of the building. A small garage, (±12-Ft. x ±20-Ft.) also resides on the site. The building structure is estimated to have been constructed circa 1914 and has undergone a number of renovations over the ensuing years.

Finished wall surfaces consist of plaster on lath and/or drywall panels with applied joint compound, ceramic tile (i.e., shower surround) and wood paneling. Some of the dry walled and wood paneled areas are constructed over former plaster/lath finishes.

Ceilings are constructed with similar finishing materials as the wall surfaces, i.e., plaster, and/or drywall and additionally cellulose ceiling tiles. Flooring materials include hardwood flooring, various resilient flooring materials and ceramic tile in some of the bathrooms.

The exterior of the building is sheathed painted wooden clapboards applied over building paper and boards. The rear, ground level shed is clad with asphalt siding. Window units are largely original with putty glazing. The main building and front porch (facing street) roofs are pitched and covered with multiple layers of asphalt shingles. The roof over the southern, main access porch and "bump out" (west additions) section is a flat, sloped roof covered with roll roofing and painted with a silver roofing paint/mastic. Asphalt roofing also covers the rear, single story attached shed building. Building walls are insulated with loose fill rockwool insulation as is the attic floor.

The building is constructed on a mortared stone 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 June 8, 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 in<sup>2</sup>) 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. Transite board located in the basement above the furnace (located above a layer of cement board) is presumed to contain >1% asbestos.
- b. Asphalt roofing on the attached shed situated at the western end of the buildings (Line #22, Sample #E-18) was determined to contain 2% to 3.1% chrysotile asbestos. Note: Some portions of asphalt roofing are heavily weathered and have become friable.
- c. Asphalt roofing on the single pitched flat roof above the south side porches and rear building addition (silver painted roof) was determined to contain 1.3 – 2.9% chrysotile asbestos, (Line #32, Sample #E-28; Line #33, Sample #E-29; Line #34, Sample #E-30; Line #35, Sample #E-31). Both the top layer of silver paint/mastic and the bottom layer (Layer 2) of roofing material are classified as ACM.
- d. Plaster applied to the walls and ceilings of the building interior were determined to contain 2% - 3.75% chrysotile asbestos, (Line #38, Sample #1-3; Line #85, Sample #2-6; Line #87, Sample #2-9; Line #90, Sample #2-13; Line #91, Sample #2-14; Line #103, Sample #2-29). Note: Some plaster walls and ceilings may be covered by layers of drywall, paneling, ceiling tiles or other finish materials applied as part of historical renovations. Some plaster ceilings have deteriorated to the point of having fallen onto the floor have become friable. All plaster material is classified as ACM.



- e. Resilient flooring in a closet located on the second floor, bedroom #4 was determined to contain 20% chrysotile asbestos.
- f. The bottom layer (layer #3) pf resilient flooring in the second-floor bathroom was determined to contain 30% 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. Joint compound applied to drywall was initially determined to contain 2% - 4% chrysotile asbestos, (Line #83, Sample #2-3; Line #86, Sample #2-8; Line #88, Sample #2-10; Line #105, Sample #2-34; Line #116, Sample #3-1; Line #121 Sample #3-8; Line #135, Sample #3-28). Subsequent analysis completed utilizing a composite of the drywall and joint compound, completed pursuant to Federal Register Volume 59, Number 3, (Wednesday, January 5, 1994), page 542, and; 40CFR61 Volume 60, Number 243, (Tuesday, December 19, 1995), page 65243 indicated that the average content for the multi-layered system is less than 1% asbestos, ( $<1\%$ ).
- b. Window glazing compound was initially determined to contain 2% chrysotile asbestos (Line #117, Sample #3-3; Line #138, Sample #3-31). Subsequent analysis completed utilizing 400-point counting indicated that the glazing material contained less than 1% asbestos, ( $<1\%$ ). Additional window glazing compounds were determined to contain  $<1\%$  asbestos, (Line #99, Sample #2-23; Line #114, Sample #2-45; Line #130, Sample #3-22) through PLM analysis.

#### 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 8, 2023**, Calnex inspection of the building(s) described herein, located at **609 Hillsboro 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.

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.

Calex 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 ±115-gram RBM sample was collected by Calex on June 8, 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<sup>1</sup>. 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 **1.9 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

<sup>1</sup> Analysis was subcontracted by Hayes to EHS Lab, Lab ID# 11714.

## Pre-Demolition Building Inspection

609 Hillsboro Street, Berlin, NH

Report Date: July 5, 2023

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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

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





**TABLE 1**

**SUSPECT BUILDING MATERIALS SAMPLED**

<b>PROJECT:</b>	BER-22-4A	
<b>SITE:</b>	609 HILLSBORO	
<b>SAMPLE DATE:</b>	June 8, 2023	
<b>MATERIAL</b>	<b>LOCATION</b>	<b>SAMPLE ID</b>
ROCKWOOL INSULATION	ATTIC FLOOR	A-1
ROCKWOOL INSULATION	ATTIC FLOOR	A-2
INSULATION PAPER WRAP	ATTIC FLOOR	A-3
INSULATION PAPER WRAP	ATTIC FLOOR	A-4
ASPHALT ROOFING	MAIN ROOF (LAYER 3)	E-1
ASPHALT ROOFING	MAIN ROOF (LAYER 3)	E-2
ASPHALT ROOFING	MAIN ROOF (LAYER 2)	E-3
ASPHALT ROOFING	MAIN ROOF (LAYER 2)	E-4
ASPHALT SHINGLE	MAIN ROOF (LAYER 1)	E-5
ASPHALT SHINGLE	MAIN ROOF (LAYER 1)	E-6
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 1)	E-7
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 1)	E-8
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 2)	E-9
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 2)	E-10
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 3)	E-11
ASPHALT SHINGLE	FRONT PORCH (OVER 2ND FLOOR PORCH) (LAYER 3)	E-12
BUILDING PAPER	UNDER CLAPBOARDS	E-13
ASPHALT BUILDING PAPER	REAR SHED, UNDER ASPHALT SIDING	E-14
ASPHALT SHINGLE SIDING	REAR SHED	E-15
ASPHALT SHINGLE SIDING	REAR SHED	E-16
ASPHALT ROOFING	REAR SHED ROOF (LAYER 1)	E-17
ASPHALT ROOFING	REAR SHED ROOF (LAYER 1)	E-18
ASPHALT ROOFING PAPER	REAR SHED ROOF (LAYER 2)	E-19
ASPHALT ROOFING PAPER	REAR SHED ROOF (LAYER 2)	E-20
ASPHALT SHINGLE	GARAGE ROOF (LAYER 1)	E-21
ASPHALT SHINGLE	GARAGE ROOF (LAYER 1)	E-22
ASPHALT SHINGLE	GARAGE ROOF (LAYER 2)	E-23
ASPHALT SHINGLE	GARAGE ROOF (LAYER 2)	E-24
ASPHALT SHINGLE	GARAGE ROOF (LAYER 3)	E-25
ASPHALT SHINGLE	GARAGE ROOF (LAYER 3)	E-26
GLAZING	GARAGE WINDOW	E-27
ASPHALT ROOFING W/ SILVER PAINT	SIDE PORCH AND WEST ADDITIONS (LAYER 1)	E-28
ASPHALT ROOFING W/ SILVER PAINT	SIDE PORCH AND WEST ADDITIONS (LAYER 1)	E-29
ASPHALT ROOFING	SIDE PORCH AND WEST ADDITIONS (LAYER 2)	E-30
ASPHALT ROOFING	SIDE PORCH AND WEST ADDITIONS (LAYER 2)	E-31
CEMENT BOARD	1ST FLOOR, BATH 1, SHOWER WALLS	1-1
CEMENT BOARD	1ST FLOOR, BATH 1, SHOWER WALLS	1-2
PLASTER	1ST FLOOR, BATH 1, SHOWER WALL (LAYER 2)	1-3
GLAZING	1ST FLOOR, BATH 1, WINDOW	1-5
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, BATH 1, (LAYER 1)	1-6
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, BATH 1, (LAYER 1)	1-7
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, BATH 1, (LAYER 2)	1-8
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, BATH 1, (LAYER 2)	1-9
FLOOR LEVELING COMPOUND	1ST FLOOR, BATH 1, (LAYER 3)	1-10
FLOOR LEVELING COMPOUND	1ST FLOOR, BATH 1, (LAYER 3)	1-11
TEXTURE COATING ON PAPER	1ST FLOOR, BATH 1 WALL	1-13
JOINT COMPOUND	1ST FLOOR, LIVING ROOM WALL	1-14
DRYWALL	1ST FLOOR, BATH 1 CEILING	1-15
DRYWALL	1ST FLOOR, BATH 1 WALL	1-16

(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**

<b>PROJECT:</b>	BER-22-4A	
<b>SITE:</b>	609 HILLSBORO	
<b>SAMPLE DATE:</b>	June 8, 2023	
<b>MATERIAL</b>	<b>LOCATION</b>	<b>SAMPLE ID</b>
PLASTER	1ST FLOOR, BATH WALL	1-17
GLAZING	1ST FLOOR, SHED WINDOW	1-18
ROSEN PAPER	1ST FLOOR, LIVING ROOM, UNDER HW FLOORING	1-19
CEILING TILE	1ST FLOOR, LIVING ROOM	1-20
PLASTER	1ST FLOOR, BEDROOM 2 CEILING	1-21
CEILING TILE	1ST FLOOR, BEDROOM 2 CEILING	1-23
JOINT COMPOUND	1ST FLOOR, BEDROOM 2	1-25
PLASTER	1ST FLOOR, LIVING ROOM WALL	1-27
DRYWALL	1ST FLOOR, LIVING ROOM WALL	1-28
DRYWALL	1ST FLOOR, BEDROOM 2 WALL	1-29
PLASTER	1ST FLOOR, BEDROOM 2 WALL	1-31
MASONITE W/ ADHESIVE	1ST FLOOR, KITCHEN	1-32
MASONITE W/ ADHESIVE	1ST FLOOR, KITCHEN	1-33
CEILING TILE	1ST FLOOR, KITCHEN	1-34
PLASTER	1ST FLOOR, KITCHEN CHIMNEY	1-36
PLASTER	1ST FLOOR, KITCHEN CHIMNEY	1-37
CEILING TILE	1ST FLOOR, BEDROOM 1	1-38
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, KITCHEN (LAYER 1)	1-39
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, KITCHEN (LAYER 1)	1-40
GROUT	1ST FLOOR, KITCHEN (LAYER 1)	1-41
GROUT	1ST FLOOR, KITCHEN (LAYER 1)	1-42
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, KITCHEN (LAYER 2)	1-43
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR, KITCHEN (LAYER 2)	1-44
LINOLEUM	1ST FLOOR, SHED (LAYER 1)	1-45
LINOLEUM	1ST FLOOR, SHED (LAYER 2)	1-46
LINOLEUM	1ST FLOOR, SHED (LAYER 3)	1-47
LINOLEUM	1ST FLOOR, SHED (LAYER 4)	1-48
RESILIENT FLOORING	1ST FLOOR, PANTRY	1-49
COATED FABRIC	1ST FLOOR, SHED CEILING	1-50
COATED FABRIC	1ST FLOOR, SHED CEILING	1-51
DRYWALL	1ST FLOOR, PANTRY WALL	1-52
RESILIENT FLOORING	1ST FLOOR, PANTRY	1-53
RESILIENT FLOORING	2ND FLOOR, BEDROOM 4 CLOSET	2-1
JOINT COMPOUND	2ND FLOOR, BEDROOM 4	2-3
GLAZING	2ND FLOOR, BEDROOM 4	2-5
PLASTER	2ND FLOOR, BEDROOM 4 WALL	2-6
DRYWALL	2ND FLOOR, BEDROOM 4 WALL	2-8
PLASTER	2ND FLOOR, BEDROOM 4 CEILING	2-9
DRYWALL	2ND FLOOR, BEDROOM 4 CEILING	2-10
CEMENT BOARD	2ND FLOOR, BATHROOM 2, SURROUND	2-11
PLASTER	2ND FLOOR, LIVING ROOM CEILING	2-13
PLASTER	2ND FLOOR, LIVING ROOM WALL	2-14
RESILIENT FLOORING	2ND FLOOR, BATHROOM 2 (LAYER 1)	2-15
FLOORING REMNANT	2ND FLOOR, BATHROOM 2 (LAYER 2)	2-17
FLOORING REMNANT	2ND FLOOR, BATHROOM 2 (LAYER 2)	2-18
GLAZING	2ND FLOOR, LIVING ROOM (NORTH WINDOW)	2-19
CERAMIC TILE	2ND FLOOR, BATHROOM 2 FLOOR	2-20
DRYWALL	2ND FLOOR, BEDROOM 5 WALL	2-21
JOINT COMPOUND	2ND FLOOR, BEDROOM 5 WALL	2-22

(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**

<b>PROJECT:</b>	BER-22-4A	
<b>SITE:</b>	609 HILLSBORO	
<b>SAMPLE DATE:</b>	June 8, 2023	
<b>MATERIAL</b>	<b>LOCATION</b>	<b>SAMPLE ID</b>
GLAZING	2ND FLOOR, KITCHEN	2-23
DRYWALL	2ND FLOOR, BATHROOM 2	2-24
JOINT COMPOUND	2ND FLOOR, BATHROOM 2	2-27
CAULK	2ND FLOOR, BEDROOM 5 WINDOW	2-28
PLASTER	2ND FLOOR, KITCHEN WALL	2-29
DRYWALL	2ND FLOOR, KITCHEN WALL	2-32
JOINT COMPOUND	2ND FLOOR, KITCHEN WALL	2-34
DRYWALL	2ND FLOOR, STAIRWAY (BEHIND PANELING)	2-36
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR, SHED	2-37
ROSEN PAPER	2ND FLOOR, LIVING ROOM (UNDER HW FLOOR)	2-38
RESILIENT FLOORING	2ND FLOOR, BATHROOM 2 (LAYER 3)	2-40
RESILIENT FLOORING	2ND FLOOR, BATHROOM 2 (LAYER 3)	2-41
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR, BATHROOM 2 (LAYER 4)	2-42
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR, BATHROOM 2 (LAYER 4)	2-43
ROSEN PAPER	2ND FLOOR, STAIRWAY (UNDER HW FLOOR)	2-44
GLAZING	2ND FLOOR, SHED WINDOW	2-45
LAMINATE W/ ADHESIVE	2ND FLOOR, KITCHEN COUTNERTOP	2-46
JOINT COMPOUND	3RD FLOOR, BEDROOM 1	3-1
GLAZING	3RD FLOOR, BEDROOM 1	3-3
PLASTER	3RD FLOOR, BEDROOM 1 CEILING	3-4
DRYWALL	3RD FLOOR, BEDROOM 1 WALL	3-5
ROCKWOOL INSULATION	3RD FLOOR, BEDROOM 1 WALL	3-6
JOINT COMPOUND ON PAPER	3RD FLOOR, BATHROOM 1	3-8
RESILIENT FLOORING	3RD FLOOR, BATHROOM 1	3-9
MASONITE W/ MASTIC	3RD FLOOR, BATHROOM 1	3-11
CEMENT BOARD	3RD FLOOR, BATHROOM 1 SHOWER SURROUND	3-13
DRYWALL	3RD FLOOR, BATHROOM 1 WALL	3-15
CEILING TILE	3RD FLOOR, BATHROOM	3-16
GROUT	3RD FLOOR, BATHROOM SHOWER SURROUND	3-18
GROUT	3RD FLOOR, BATHROOM SHOWER SURROUND	3-19
CERAMIC TILE W/ THINSET	3RD FLOOR, BATHROOM SHOWER SURROUND	3-21
GLAZING	3RD FLOOR, BEDROOM 3	3-22
CEILING TILE	3RD FLOOR, BEDROOM 3	3-23
PLASTER	3RD FLOOR, BEDROOM 2 WALL	3-24
DRYWALL	3RD FLOOR, BEDROOM 2 WALL	3-25
JOINT COMPOUND	3RD FLOOR, BEDROOM 2 CEILING	3-27
JOINT COMOUND	3RD FLOOR, BEDROOM 3	3-28
DRYWALL	3RD FLOOR, BEDROOM 3	3-29
GLAZING	3RD FLOOR, BEDROOM 2 (NORTH)	3-30
GLAZING	3RD FLOOR, BEDROOM 2 (SOUTH)	3-31
ADHESIVE ON PANELING	3RD FLOOR, STAIRWAY	3-32
PLASTER	3RD FLOOR, BATHROOM 1 (CHIMNEY)	3-35

(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-22-4A  
 SITE: 609 HILLSBORO  
 SAMPLE DATE: June 8, 2023

MATERIAL	LOCATION	SAMPLE ID	APPROX. QUANTITY	ASBESTOS CONTENT	AHERA CLASS			NESHAP CLASS		
					S	T	M	F	C1	C2
TRANSITE BOARD	BASEMENT ABOVE FURNACE (BEHIND CEMENT BOARD)	PRESUMED	±4 FT2	PRESUMED >1			X			X
ASPHALT ROOFING (SEE NOTE)	SHED BEHIND RESIDENCE (SINGLE SLOPE ROOF) ROLL ROOFING	E-18	±120 FT2	2% - 3.1%			X	X	X	
ASPHALT ROOFING AND SILVER PAINT	SILVER PAINTED FLAT SLOPED ROOF OVER PORCHES AND REAR ADDITION	E-28, E-29, E-30, E-31	±500 FT2	1.3% - 2.9%			X		X	
PLASTER (SEE NOTE)	ALL PLASTER WALLS AND CEILINGS	1-3, 2-6, 2-9, 2-13, 2-14, 2-29	±5,000 FT2	2% - 3.75%			X	X		X
RESILIENT FLOORING	2ND FLOOR, BEDROOM 4, CLOSET	2-1	±20 FT2	20%			X		X	
RESILIENT FLOORING (LINOLEUM)	2ND FLOOR, BATHROOM 2, (LAYER 3)	2-40, 2-41	±25 FT2	30%			X		X	

Note: Some portions of the roofing material are heavily weathered to the point of becoming friable. Some sections of ceilings have suffered water damage and have fallen to the floor and have become 'friable' ACM. Both friable and non-friable plaster are contained within


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.  
 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  
 NESHAP Classifications: F - Friable Asbestos Material C1 - Category I nonfriable ACM C2 - Category II nonfriable ACM



## APPENDIX A

### Inspector Credentials Disclosure of Relationship



## Inspector Credentials


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

**ASBESTOS INSPECTOR**

**A1000401 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: July 5, 2023

Ronald T. Guerin  
President, Calex Environmental, LLC

Inspector  
Signature:

Ronald T. Guerin

Date: July 5, 2023

Ronald T. Guerin  
Inspector





## APPENDIX B

### Laboratory Analytical Reports







#23023985

Amended Report

Analysis Report prepared for

# Calex Environmental, LLC

110 Main St.  
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-4A  
609 Hillsboro

Collected: **June 8, 2023**  
Received: **June 13, 2023**  
Reported: **June 20, 2023**

We would like to thank you for trusting Hayes Microbial for your analytical needs!  
We received 140 samples by FedEx in good condition for this project on June 13th, 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	A-1 - Rockwool Insulation	Insulation / Brown	98% Cellulose Fibers	None Detected
2	A-2 - Rockwool Insulation	Insulation / Brown	98% Cellulose Fibers	None Detected
3	A-3 - Insulation Paper Wrap	Wrap / Black	65% Cellulose Fibers	None Detected
4	A-4 - Insulation Paper Wrap	Wrap / Black	65% Cellulose Fibers	None Detected
5	E-1 - Asphalt Roofing	Shingle / Black	15% Cellulose Fibers	None Detected
6	E-2 - Asphalt Roofing	Shingle / Black	15% Cellulose Fibers	None Detected
7	E-3 - Asphalt Roofing	Shingle / Black	15% Fiberglass	None Detected
8	E-4 - Asphalt Roofing	Shingle / Black	15% Fiberglass	None Detected
9	E-5 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
10	E-6 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
11	E-7 - Asphalt Shingle	Shingle / Black	15% Fiberglass	None Detected
12	E-8 - Asphalt Shingle	Shingle / Black	15% Fiberglass	None Detected
13	E-9 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
14	E-10 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
15	E-11 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected



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 Angie Llatas-Campos,

Date:  
 06 - 20 - 2023

Reviewed By:  
 Brian Keith,

Date:  
 06 - 22 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
16	E-12 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
17	E-13 - Building Paper	Paper / Brown	98% Cellulose Fibers	None Detected
18	E-14 - Asphalt Building Paper	Tar Paper / Black	65% Cellulose Fibers	None Detected
19	E-15 - Asphalt Shingle Siding	Skim Coat / Black	15% Cellulose Fibers	None Detected
20	E-16 - Asphalt Shingle Siding	Shingle / Black	15% Cellulose Fibers	None Detected
21	E-17 - Asphalt Roofing	Shingle / Black	15% Cellulose Fibers	None Detected
22	E-18 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	2% Chrysotile
23	E-19 - Asphalt Roofing Paper	Tar Paper / Black	65% Cellulose Fibers	None Detected
24	E-20 - Asphalt Roofing Paper	Tar Paper / Black	65% Cellulose Fibers	None Detected
25	E-21 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
26	E-22 - Asphalt Shingle	Shingle / Black	15% Fiberglass	None Detected
27	E-23 - Asphalt Shingle	Shingle / Black	15% Fiberglass	None Detected
28	E-24 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
29	E-25 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected
30	E-26 - Asphalt Shingle	Shingle / Black	15% Cellulose Fibers	None Detected



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 Brian Keith, *Brian Keith*

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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
31	E-27 - Glazing	Glazing / White		None Detected
32	E-28 - Asphalt Roofing w/Silver Paint	Roofing / Black	15% Cellulose Fibers	None Detected
		Coating / Silver		2% Chrysotile
33	E-29 - Asphalt Roofing w/Silver Paint	Roofing / Black	15% Cellulose Fibers	None Detected
		Coating / Silver		2% Chrysotile
34	E-30 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	2% Chrysotile
35	E-31 - Asphalt Roofing	Roofing / Black	10% Cellulose Fibers	2% Chrysotile
36	1-1 - Cement Board	Cementitious / Gray	10% Synthetic Fibers	None Detected
37	1-2 - Cement Board	Cementitious / Gray	10% Synthetic Fibers	None Detected
38	1-3 - Plaster	Plaster / White	5% Cellulose Fibers	2% Chrysotile
39	1-5 - Glazing	Glazing / White		None Detected
40	1-6 - Resilient Flooring w/Adhesive	Vinyl Tile / Tan		None Detected
		Adhesive / Clear		None Detected
41	1-7 - Resilient Flooring w/Adhesive	Vinyl Tile / Tan		None Detected
		Adhesive / Clear		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
42	1-8 - Resilient Flooring w/Adhesive	Vinyl Tile / Tan		None Detected
		Adhesive / Clear		None Detected
43	1-9 - Resilient Flooring w/Adhesive	Vermiculite / Tan		None Detected
		Adhesive / Clear		None Detected
44	1-10 - Floor Leveling Compound	Leveler / Tan		None Detected
45	1-11 - Floor Leveling Compound	Leveler / Tan		None Detected
46	1-13 - Texture Coating on Paper	Texture / White		None Detected
		Drywall / White	5% Cellulose Fibers	None Detected
47	1-14 - Joint Compound	Joint Compound / Tan		None Detected
48	1-15 - Drywall	Drywall / Off-White	5% Cellulose Fibers	None Detected
49	1-16 - Drywall	Drywall / Off-White	5% Cellulose Fibers	None Detected
50	1-17 - Plaster	Skim Coat / Off-White	5% Cellulose Fibers	None Detected
51	1-18 - Glazing	Glazing / Tan		None Detected
52	1-19 - Rosen Paper	Paper / Brown	98% Cellulose Fibers	None Detected
53	1-20 - Ceiling Tile	Ceiling Tile / White	90% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
54	1-21 - Plaster	Skim Coat / Off-White	5% Cellulose Fibers	None Detected
55	1-23 - Ceiling Tile	Ceiling Tile / White	55% Cellulose Fibers 15% Fiberglass	None Detected
56	1-25 - Joint Compound	Joint Compound / Cream		None Detected
57	1-27 - Plaster	Rough Coat / Gray		None Detected
58	1-28 - Drywall	Drywall / Off-White	3% Cellulose Fibers	None Detected
59	1-29 - Drywall	Drywall / Off-White	5% Cellulose Fibers	None Detected
		Joint Compound / White		None Detected
60	1-31 - Plaster	Rough Coat / Gray		None Detected
61	1-32 - Masonite w/Adhesive	Bulk Material / Brown	40% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
62	1-33 - Masonite w/Adhesive	Bulk Material / Brown	40% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
63	1-34 - Ceiling Tile	Ceiling Tile / White/Brown	97% Cellulose Fibers	None Detected
64	1-36 - Plaster	Rough Coat / Gray		None Detected
65	1-37 - Plaster	Rough Coat / Gray		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
66	1-38 - Ceiling Tile	Ceiling Tile / White/Brown	97% Cellulose Fibers	None Detected
67	1-39 - Resilient Flooring w/Adhesive	Flooring / Gray		None Detected
		Adhesive / Brown		None Detected
68	1-40 - Resilient Flooring w/Adhesive	Flooring / Gray		None Detected
		Adhesive / Brown		None Detected
69	1-41 - Grout	Grout / Gray		None Detected
70	1-42 - Grout	Grout / Gray		None Detected
71	1-43 - Resilient Flooring w/Adhesive	Flooring / Multi-colored	20% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
72	1-44 - Resilient Flooring w/Adhesive	Flooring / Multi-colored	20% Cellulose Fibers	None Detected
		Adhesive / Brown		None Detected
73	1-45 - Linoleum	Linoleum / Multi-colored	15% Cellulose Fibers	None Detected
74	1-46 - Linoleum	Linoleum / Multi-colored	15% Cellulose Fibers	None Detected
75	1-47 - Linoleum	Linoleum / Multi-colored	20% Cellulose Fibers	None Detected
76	1-48 - Linoleum	Linoleum / Multi-colored	20% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
77	1-49 - Resilient Flooring	Flooring / Off-White		None Detected
		Adhesive / Clear		None Detected
		Flooring / Blue		None Detected
		Adhesive / Clear		None Detected
78	1-50 - Coated Fabric	Bulk Material / Brown	60% Cellulose Fibers	None Detected
79	1-51 - Coated Fabric	Bulk Material / Brown	60% Cellulose Fibers	None Detected
80	1-52 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
81	1-53 - Resilient Flooring	Flooring / Off-White		None Detected
		Adhesive / Clear		None Detected
82	2-1 - Resilient Flooring	Flooring / Off-White		20% Chrysotile



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
83	2-3 - Joint Compound	Joint Compound / Beige		4% Chrysotile
		Joint Compound / Off-White		4% Chrysotile
		Drywall / White	5% Cellulose Fibers	None Detected
		Joint Compound / Drywall / Beige/White		<1% Chrysotile
<b>Lab Note:</b> Composite of Drywall & Joint Compound.				
84	2-5 - Glazing	Glazing / Off-White		None Detected
85	2-6 - Plaster	Rough Coat / Gray	5% Cellulose Fibers	2% Chrysotile
86	2-8 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
		Joint Compound / Off-White		3% Chrysotile
		Joint Compound / Drywall / Off-White		<1% Chrysotile
<b>Lab Note:</b> Composite of Drywall & Joint Compound.				
87	2-9 - Plaster	Rough Coat / Gray		2% Chrysotile



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
88	2-10 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
		Joint Compound / Off-White		3% Chrysotile
		Joint Compound / Drywall / Off-White		<1% Chrysotile
<b>Lab Note:</b> Composite of Drywall & Joint Compound.				
89	2-11 - Cement Board	Cementitious / Gray	10% Synthetic Fibers	None Detected
90	2-13 - Plaster	Rough Coat / Gray		2% Chrysotile
91	2-14 - Plaster	Rough Coat / Gray		2% Chrysotile
92	2-15 - Resilient Flooring	Flooring / Gray		None Detected
		Adhesive / Clear		None Detected
93	2-17 - Flooring Remnant	Flooring / Multi-colored	60% Cellulose Fibers	None Detected
94	2-18 - Flooring Remnant	Flooring / Multi-colored	60% Cellulose Fibers	None Detected
95	2-19 - Glazing	Glazing / Off-White		None Detected
96	2-20 - Ceramic Tile	Tile / Multi-colored		None Detected
97	2-21 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
98	2-22 - Joint Compound	Joint Compound / White		None Detected
99	2-23 - Glazing	Glazing / Cream		<1% Chrysotile
100	2-24 - Drywall	Drywall / White	5% Cellulose Fibers	None Detected
101	2-27 - Joint Compound	Joint Compound / White		None Detected
102	2-28 - Caulk	Caulk / Off-White		None Detected
103	2-29 - Plaster	Plaster / Off-White	10% Cellulose Fibers	2% Chrysotile
104	2-32 - Drywall	Drywall / Beige	8% Cellulose Fibers	None Detected
105	2-34 - Joint Compound	Joint Compound / Cream		2% Chrysotile
		Joint Compound / Drywall / Beige		<1% Chrysotile
	<b>Lab Note:</b> Combined with Drywall From Sample# 2-32			
	<b>Lab Note:</b> Composite of Drywall & Joint Compound.			
106	2-36 - Drywall	Drywall / Off-White	7% Cellulose Fibers	None Detected
107	2-37 - Resilient Flooring w/Adhesive	Vinyl Tile / Beige		None Detected
		Adhesive / Clear		None Detected
108	2-38 - Rosen Paper	Paper / Brown	95% Cellulose Fibers	None Detected



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Date:  
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
109	2-40 - Resilient Flooring	Linoleum / Tan	5% Cellulose Fibers	30% Chrysotile
110	2-41 - Resilient Flooring	Linoleum / Tan	5% Cellulose Fibers	30% Chrysotile
111	2-42 - Resilient Flooring w/Adhesive	Brittle / Yellow		None Detected
		Floor Tile / Cream		None Detected
		Adhesive / Yellow		None Detected
		Mastic / Black		None Detected
112	2-43 - Resilient Flooring w/Adhesive	Brittle / Yellow		None Detected
		Floor Tile / Red		None Detected
		Adhesive / Yellow		None Detected
		Mastic / Black		None Detected
113	2-44 - Rosen Paper	Paper / Brown	95% Cellulose Fibers	None Detected
114	2-45 - Glazing	Glazing / Off-White		<1% Chrysotile
115	2-46 - Laminate w/Adhesive	Flooring / White/Brown	80% Cellulose Fibers	None Detected
		Adhesive / Clear		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
116	3-1 - Joint Compound	Joint Compound / Cream		2% Chrysotile
		Joint Compound / Off-White		2% Chrysotile
		Joint Compound / Beige		<1% Chrysotile
<b>Lab Note:</b> Combined With Sample # 3-5 <b>Lab Note:</b> Composite of Drywall & Joint Compound.				
117	3-3 - Glazing	Glazing / White		2% Chrysotile
118	3-4 - Plaster	Plaster / Gray	8% Cellulose Fibers	None Detected
119	3-5 - Drywall	Drywall / Off-White	8% Cellulose Fibers	None Detected
120	3-6 - Rockwool Insulation	Insulation / Brown	95% Fiberglass	None Detected
121	3-8 - Joint Compound on Paper	Joint Compound / Cream		3% Chrysotile
		Joint Compound / Drywall / Off-White		<1% Chrysotile
<b>Lab Note:</b> Combined With Sample 3-15 <b>Lab Note:</b> Composite of Drywall & Joint Compound.				

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
122	3-9 - Resilient Flooring	Vinyl Tile / White		None Detected
		Adhesive / Clear		None Detected
		Leveler / White		None Detected
123	3-11 - Masonite w/Mastic	Bulk Material / White/Brown	90% Cellulose Fibers	None Detected
		Mastic / Black		None Detected
124	3-13 - Cement Board	Cementitious / Gray	10% Synthetic Fibers	None Detected
125	3-15 - Drywall	Drywall / Off-White	6% Cellulose Fibers	None Detected
126	3-16 - Ceiling Tile	Ceiling Tile / White/Brown	90% Cellulose Fibers	None Detected
127	3-18 - Grout	Grout / Gray		None Detected
128	3-19 - Grout	Grout / Gray		None Detected
129	3-21 - Ceramic Tile w/Thinset	Ceramic / White/Brown		None Detected
		Cementitious / Gray		None Detected
130	3-22 - Glazing	Glazing / Off-White		<1% Chrysotile
131	3-23 - Ceiling Tile	Ceiling Tile / White/Brown	90% Cellulose Fibers	None Detected
132	3-24 - Plaster	Plaster / Off-White	8% Cellulose Fibers	None Detected



Collected: Jun 8, 2023

Received: Jun 13, 2023

Reported: Jun 20, 2023

Revision: 3

Project Analyst:  
 Angie Llatas-Campos,

Date:  
 06 - 20 - 2023

Reviewed By:  
 Brian Keith,

Date:  
 06 - 22 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
133	3-25 - Drywall	Drywall / Off-White	6% Cellulose Fibers	None Detected
134	3-27 - Joint Compound	Joint Compound / White		None Detected
135	3-28 - Joint Compound	Joint Compound / Cream		3% Chrysotile
		Joint Compound / Drywall / Beige		<1% Chrysotile
<p><b>Lab Note:</b> Combined with Drywall from Sample# 3-29</p> <p><b>Lab Note:</b> Composite of Drywall &amp; Joint Compound.</p>				
136	3-29 - Drywall	Drywall / Off-White	7% Cellulose Fibers	None Detected
137	3-30 - Glazing	Glazing / White		None Detected
138	3-31 - Glazing	Glazing / Off-White		2% Chrysotile
139	3-32 - Adhesive on Paneling	Mastic / Black		None Detected
		Paneling / Brown	90% Cellulose Fibers	None Detected
140	3-35 - Plaster	Plaster / Off-White	6% Cellulose Fibers	None Detected



Collected: Jun 8, 2023

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Project Analyst:  
 Angie Llatas-Campos,

Date:  
 06 - 20 - 2023

Reviewed By:  
 Brian Keith,

Date:  
 06 - 22 - 2023

**Asbestos 400 Point Count**

#	Sample	Material Description	Total Points	Non-Asbestos Fibers	Asbestos Fibers
22	E-18 - Asphalt Roofing	Roofing / Black	400		3.1% Chrysotile
<b>Lab Note:</b> Sample prepared using gravimetric reduction which removes heat and acid sensitive components.					
32	E-28 - Asphalt Roofing w/Silver Paint	Coating / Silver	400		1.4% Chrysotile
<b>Lab Note:</b> Sample prepared using gravimetric reduction which removes heat and acid sensitive components.					
33	E-29 - Asphalt Roofing w/Silver Paint	Coating / Silver	400		2.5% Chrysotile
<b>Lab Note:</b> Sample prepared using gravimetric reduction which removes heat and acid sensitive components.					
34	E-30 - Asphalt Roofing	Roofing / Black	400		1.3% Chrysotile
<b>Lab Note:</b> Sample prepared using gravimetric reduction which removes heat and acid sensitive components.					
35	E-31 - Asphalt Roofing	Roofing / Black	400		2.9% Chrysotile
<b>Lab Note:</b> Sample prepared using gravimetric reduction which removes heat and acid sensitive components.					
38	1-3 - Plaster	Plaster / White	400		3.75% Chrysotile
85	2-6 - Plaster	Rough Coat / Gray	400		
87	2-9 - Plaster	Rough Coat / Gray	400		( Not Analyzed, Positive Stop )



Collected: Jun 8, 2023

Received: Jun 13, 2023

Reported: Jun 20, 2023

Revision: 3

Project Analyst:  
 Angie Llatas-Campos, *Angie Llatas*

Date:  
 06 - 20 - 2023

Reviewed By:  
 Brian Keith, *Brian Keith*

Date:  
 06 - 22 - 2023

**Asbestos 400 Point Count**

#	Sample	Material Description	Total Points	Non-Asbestos Fibers	Asbestos Fibers
90	2-13 - Plaster	Rough Coat / Gray	400		( Not Analyzed, Positive Stop )
91	2-14 - Plaster	Rough Coat / Gray	400		( Not Analyzed, Positive Stop )
103	2-29 - Plaster	Plaster / Off-White	400		( Not Analyzed, Positive Stop )
117	3-3 - Glazing	Glazing / White	400		0.75% Chrysotile
138	3-31 - Glazing	Glazing / White	400		0.75% Chrysotile



Collected: Jun 8, 2023

Received: Jun 13, 2023

Reported: Jun 20, 2023

Revision: 3

Project Analyst:  
 Angie Llatas-Campos,

Date:  
 06 - 20 - 2023

Reviewed By:  
 Brian Keith,

Date:  
 06 - 22 - 2023

## Asbestos Analysis Information

<b>Analysis Details</b>	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.
<b>PLM Analysis</b>	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.
<b>TEM Analysis</b>	Analysis by TEM is capable of providing positive identification of asbestos type(s) and semi-quantitation of asbestos content.
<b>Definitions</b>	'None Detected' - Below the detected reporting limit of 1% unless point counting is performed, then the detected reporting limit is .25%.
<b>New York ELAP</b>	<p>Per NY ELAP198.6 (NOB), TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing.</p> <p>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.</p>



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PO BOX 236

COLEBROOK, NH 03576

PAGE

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Asbestos - Chain of Custody

Form v.101302.5

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
A-1	ROCKWOOL INSULATION	PLM		5 DAY		
A-2	ROCKWOOL INSULATION	PLM		5 DAY		
A-3	INSULATION PAPER WRAP	PLM		5 DAY		
A-4	INSULATION PAPER WRAP	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 SHINGLE	PLM		5 DAY		
E-6	ASPHALT SHINGLE	PLM		5 DAY		
E-7	ASPHALT SHINGLE	PLM		5 DAY		
E-8	ASPHALT SHINGLE	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	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

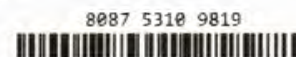
Relinquished by: RONALD GUERIN Date: 6/12/2023 Rcvd By: *Jm* Date: 6/13/23

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## Asbestos - Chain of Custody

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PAGE **2** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
E-11	ASPHALT SHINGLE	PLM		5 DAY		
E-12	ASPHALT SHINGLE	PLM		5 DAY		
E-13	BUILDING PAPER	PLM		5 DAY		
E-14	ASPHALT BUILDING PAPER	PLM		5 DAY		
E-15	ASPHALT SHINGLE SIDING	PLM		5 DAY		
E-16	ASPHALT SHINGLE SIDING	PLM		5 DAY		
E-17	ASPHALT ROOFING	PLM		5 DAY		
E-18	ASPHALT ROOFING	PLM		5 DAY		
E-19	ASPHALT ROOFING PAPER	PLM		5 DAY		
E-20	ASPHALT ROOFING PAPER	PLM		5 DAY		
E-21	ASPHALT SHINGLE	PLM		5 DAY		
E-22	ASPHALT SHINGLE	PLM		5 DAY		
E-23	ASPHALT SHINGLE	PLM		5 DAY		
E-24	ASPHALT SHINGLE	PLM		5 DAY		

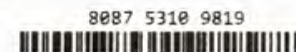
Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
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: 6/12/2023 Rcvd By: *Jm* Date: *6/13/23*

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## Asbestos - Chain of Custody

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PAGE **3** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
29 E-25	ASPHALT SHINGLE	PLM		5 DAY		
E-26	ASPHALT SHINGLE	PLM		5 DAY		
E-27	GLAZING	PLM		5 DAY		
E-28	ASPHALT ROOFING W/ SILVER PAINT	PLM		5 DAY		
E-29	ASPHALT ROOFING W/ SILVER PAINT	PLM		5 DAY		
E-30	ASPHALT ROOFING	PLM		5 DAY		
E-31	ASPHALT ROOFING	PLM		5 DAY		
1-1	CEMENT BOARD	PLM		5 DAY		
1-2	CEMENT BOARD	PLM		5 DAY		
1-3	PLASTER	PLM		5 DAY		
1-5	GLAZING	PLM		5 DAY		
1-6	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-7	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
47 1-8	RESILIENT 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: 6/12/2023 Rcvd By: *rg* Date: 6/13/23

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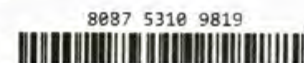
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## Asbestos - Chain of Custody

Form v.101302.5

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HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-9	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-10	FLOOR LEVELING COMPOUND	PLM		5 DAY		
1-11	FLOOR LEVELING COMPOUND	PLM		5 DAY		
1-13	TEXTURE COATING ON PAPER	PLM		5 DAY		
1-14	JOINT COMPOUND	PLM		5 DAY		
1-15	DRYWALL	PLM		5 DAY		
1-16	DRYWALL	PLM		5 DAY		
1-17	PLASTER	PLM		5 DAY		
1-18	GLAZING	PLM		5 DAY		
1-19	ROSEN PAPER	PLM		5 DAY		
1-20	CEILING TILE	PLM		5 DAY		
1-21	PLASTER	PLM		5 DAY		
1-23	CEILING TILE	PLM		5 DAY		
1-25	JOINT COMPOUND	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: 6/12/2023 Rcvd By: *JM* Date: 6/13/23

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## Asbestos - Chain of Custody

Form v.101302.5

PAGE **5** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

57

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-27	PLASTER	PLM		5 DAY		
1-28	DRYWALL	PLM		5 DAY		
1-29	DRYWALL	PLM		5 DAY		
1-31	PLASTER	PLM		5 DAY		
1-32	MASONITE W/ ADHESIVE	PLM		5 DAY		
1-33	MASONITE W/ ADHESIVE	PLM		5 DAY		
1-34	CEILING TILE	PLM		5 DAY		
1-36	PLASTER	PLM		5 DAY		
1-37	PLASTER	PLM		5 DAY		
1-38	CEILING TILE	PLM		5 DAY		
1-39	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-40	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-41	GROUT	PLM		5 DAY		
1-42	GROUT	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: 6/12/2023 Rcvd By: *gm* Date: 6/13/23

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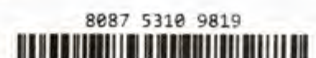
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Asbestos - Chain of Custody

Form v.101302.5

PAGE **6** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-43	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-44	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-45	LINOLEUM	PLM		5 DAY		
1-46	LINOLEUM	PLM		5 DAY		
1-47	LINOLEUM	PLM		5 DAY		
1-48	LINOLEUM	PLM		5 DAY		
1-49	RESILIENT FLOORING	PLM		5 DAY		
1-50	COATED FABRIC	PLM		5 DAY		
1-51	COATED FABRIC	PLM		5 DAY		
1-52	DRYWALL	PLM		5 DAY		
1-53	RESILIENT FLOORING	PLM		5 DAY		
2-1	RESILIENT FLOORING	PLM		5 DAY		
2-3	JOINT COMPOUND	PLM		5 DAY		
2-5	GLAZING	PLM		5 DAY		

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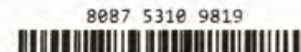
Analysis Type		Description	Available Turn-Around Times
PLM	PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 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: 6/12/2023 Rcvd By: *Jm* Date: 6/13/23

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## Asbestos - Chain of Custody

Form v.101302.5

PAGE **7** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@callexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

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Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-6	PLASTER	PLM		5 DAY		
2-8	DRYWALL	PLM		5 DAY		
2-9	PLASTER	PLM		5 DAY		
2-10	DRYWALL	PLM		5 DAY		
2-11	CEMENT BOARD	PLM		5 DAY		
2-13	PLASTER	PLM		5 DAY		
2-14	PLASTER	PLM		5 DAY		
2-15	RESILIENT FLOORING	PLM		5 DAY		
2-17	FLOORING REMNANT	PLM		5 DAY		
2-18	FLOORING REMNANT	PLM		5 DAY		
2-19	GLAZING	PLM		5 DAY		
2-20	CERAMIC TILE	PLM		5 DAY		
2-21	DRYWALL	PLM		5 DAY		
2-22	JOINT COMPOUND	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
	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	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 Bulk (Chatfield)	1 Day, 2 Day, 3 Day, 5 Day

Relinquished by: RONALD GUERIN Date: 6/12/2023 Rcvd By: JM Date: 6/13/23

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# N

SHIP: FEDEX - BOX 50  
 DATE: 06-13-2023

ASBESTOS



23023025

8087 5310 9819







# 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 **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
99 2-23	GLAZING	PLM		5 DAY		
2-24	DRYWALL	PLM		5 DAY		
2-27	JOINT COMPOUND	PLM		5 DAY		
2-28	CAULK	PLM		5 DAY		
2-29	PLASTER	PLM		5 DAY		
2-32	DRYWALL	PLM		5 DAY		
2-34	JOINT COMPOUND	PLM		5 DAY		
2-36	DRYWALL	PLM		5 DAY		
2-37	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-38	ROSEN PAPER	PLM		5 DAY		
2-40	RESILIENT FLOORING	PLM		5 DAY		
2-41	RESILIENT FLOORING	PLM		5 DAY		
2-42	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
112 2-43	RESILIENT 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: 6/12/2023 Rcvd By: *JM* Date: *6/13/23*

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**N**

SHIP: FEDEX - BOX 50  
 DATE: 06-13-2023



8087 5310 9819

ASBESTOS



23023985



# HAYES

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

Company:

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 PO BOX 236  
 COLEBROOK, NH 03576

## Asbestos - Chain of Custody

Form v.101302.5

PAGE **9** OF **10**

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Notes:

Mobile: 6033311963

113

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-44	ROSEN PAPER	PLM		5 DAY		
2-45	GLAZING	PLM		5 DAY		
2-46	LAMINATE W/ ADHESIVE	PLM		5 DAY		
3-1	JOINT COMPOUND	PLM		5 DAY		
3-3	GLAZING	PLM		5 DAY		
3-4	PLASTER	PLM		5 DAY		
3-5	DRYWALL	PLM		5 DAY		
3-6	ROCKWOOL INSULATION	PLM		5 DAY		
3-8	JOINT COMPOUND ON PAPER	PLM		5 DAY		
3-9	RESILIENT FLOORING	PLM		5 DAY		
3-11	MASONITE W/ MASTIC	PLM		5 DAY		
3-13	CEMENT BOARD	PLM		5 DAY		
3-15	DRYWALL	PLM		5 DAY		
3-16	CEILING TILE	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: 6/12/2023 Rcvd By: *JM* Date: 6/13/23

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# N

SHIP: FEDEX - BOX 50  
 DATE: 06-13-2023

ASBESTOS



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Company:

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 COLEBROOK, NH 03576

Asbestos - Chain of Custody

Form v.101302.5

PAGE 10 OF 10

HMC #

Job Number: BER-22-4A Job Name: 609 HILLSBORO Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/8/2023

Mobile: 6033311963

Notes:

127

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
3-18	GROUT	PLM		5 DAY		
3-19	GROUT	PLM		5 DAY		
3-21	CERAMIC TILE W/ THINSET	PLM		5 DAY		
3-22	GLAZING	PLM		5 DAY		
3-23	CEILING TILE	PLM		5 DAY		
3-24	PLASTER	PLM		5 DAY		
3-25	DRYWALL	PLM		5 DAY		
3-27	JOINT COMPOUND	PLM		5 DAY		
3-28	JOINT COMOUND	PLM		5 DAY		
3-29	DRYWALL	PLM		5 DAY		
3-30	GLAZING	PLM		5 DAY		
3-31	GLAZING	PLM		5 DAY		
3-32	ADHESIVE ON PANELING	PLM		5 DAY		
3-35	PLASTER	PLM		5 DAY		

140

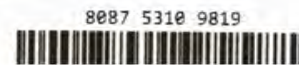
Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day
TEM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

Relinquished by: RONALD GUERIN Date: 6/12/2023 Rcvd By: *SM* Date: 6/13/23

Hayes Microbial Consulting :: 3005 East Boundary Terrace, Suite F :: Midlothian, VA 23112 :: USA :: ww

# N

SHIP: FEDEX - BOX 50  
 DATE: 06-13-2023



8087 5310 9819

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23023985



#23023976

Analysis Report prepared for

# Calex Environmental, LLC

110 Main St.  
Colebrook, NH 03576

Phone: (603) 237-9399

**BER-22-4B**  
609 Hillsboro

Collected: **June 8, 2023**  
Received: **June 13, 2023**  
Reported: **June 16, 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 June 13th, 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 - 609 Hillsboro Building Composite	100	1.9	5.0	0.50



Collected: Jun 8, 2023

Received: Jun 13, 2023

Reported: Jun 16, 2023

Project Analyst:  
Samuel Settle, *Samuel Settle*

Date:  
**06 - 16 - 2023**

Reviewed By:  
Brian Keith, *Brian Keith*

Date:  
**06 - 16 - 2023**

<b>Lead in Air Analysis</b>	The OSHA Action Level for Lead in Air is 30 ug/m <sup>3</sup> . The OSHA Permissible Exposure Limit for an 8 Hour Time Weighted Average is 50ug/m <sup>3</sup> . Sample Results denoted with a "less than" (<) symbol contain less than 2.00ug total lead, based on a 10mL volume.																
<b>Dust Wipe Lead Analysis</b>	The regulatory guidelines for lead dust by wipe sampling are as follows:																
<table border="1"> <thead> <tr> <th data-bbox="394 435 470 459">Location</th> <th data-bbox="695 435 869 459">EPA Clearance Level</th> <th data-bbox="940 435 1087 459">EPA Hazard Level</th> <th data-bbox="1157 435 1423 459">New York City DOHMH Standard</th> </tr> </thead> <tbody> <tr> <td data-bbox="394 496 491 521">Floors (FL)</td> <td data-bbox="695 496 791 521">&lt;40.0µg/ft<sup>2</sup></td> <td data-bbox="940 496 1024 521">10.0µg/ft<sup>2</sup></td> <td data-bbox="1157 496 1230 521">5.0µg/ft<sup>2</sup></td> </tr> <tr> <td data-bbox="394 557 611 581">Interior Window Sills (SL)</td> <td data-bbox="695 557 791 581">&lt;250.0µg/ft<sup>2</sup></td> <td data-bbox="940 557 1037 581">100.0µg/ft<sup>2</sup></td> <td data-bbox="1157 557 1241 581">40.0µg/ft<sup>2</sup></td> </tr> <tr> <td data-bbox="394 617 569 641">Window Wells (WW)</td> <td data-bbox="695 617 791 641">&lt;400.0µg/ft<sup>2</sup></td> <td></td> <td data-bbox="1157 617 1253 641">100.0µg/ft<sup>2</sup></td> </tr> </tbody> </table>		Location	EPA Clearance Level	EPA Hazard Level	New York City DOHMH Standard	Floors (FL)	<40.0µg/ft <sup>2</sup>	10.0µg/ft <sup>2</sup>	5.0µg/ft <sup>2</sup>	Interior Window Sills (SL)	<250.0µg/ft <sup>2</sup>	100.0µg/ft <sup>2</sup>	40.0µg/ft <sup>2</sup>	Window Wells (WW)	<400.0µg/ft <sup>2</sup>		100.0µg/ft <sup>2</sup>
Location	EPA Clearance Level	EPA Hazard Level	New York City DOHMH Standard														
Floors (FL)	<40.0µg/ft <sup>2</sup>	10.0µg/ft <sup>2</sup>	5.0µg/ft <sup>2</sup>														
Interior Window Sills (SL)	<250.0µg/ft <sup>2</sup>	100.0µg/ft <sup>2</sup>	40.0µg/ft <sup>2</sup>														
Window Wells (WW)	<400.0µg/ft <sup>2</sup>		100.0µg/ft <sup>2</sup>														
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.																	
<b>Paint Chip Lead Analysis</b>	The HUD lead guidelines for lead paint chips are 0.50% by weight, 5000 ppm, or 1.0mg/cm <sup>2</sup> . The Reporting Limit is 10µg Total Pb.																
<b>Water Lead Analysis</b>	Minimum Reporting Limit: 0.2mg/L lead concentration. EPA Regulatory Limit: 5.0mg/L.																
<b>Soil Lead Analysis</b>	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  
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 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





446 Hillsboro Street  
Berlin, New Hampshire



ACM roofing on south porch and "bump out" roof.



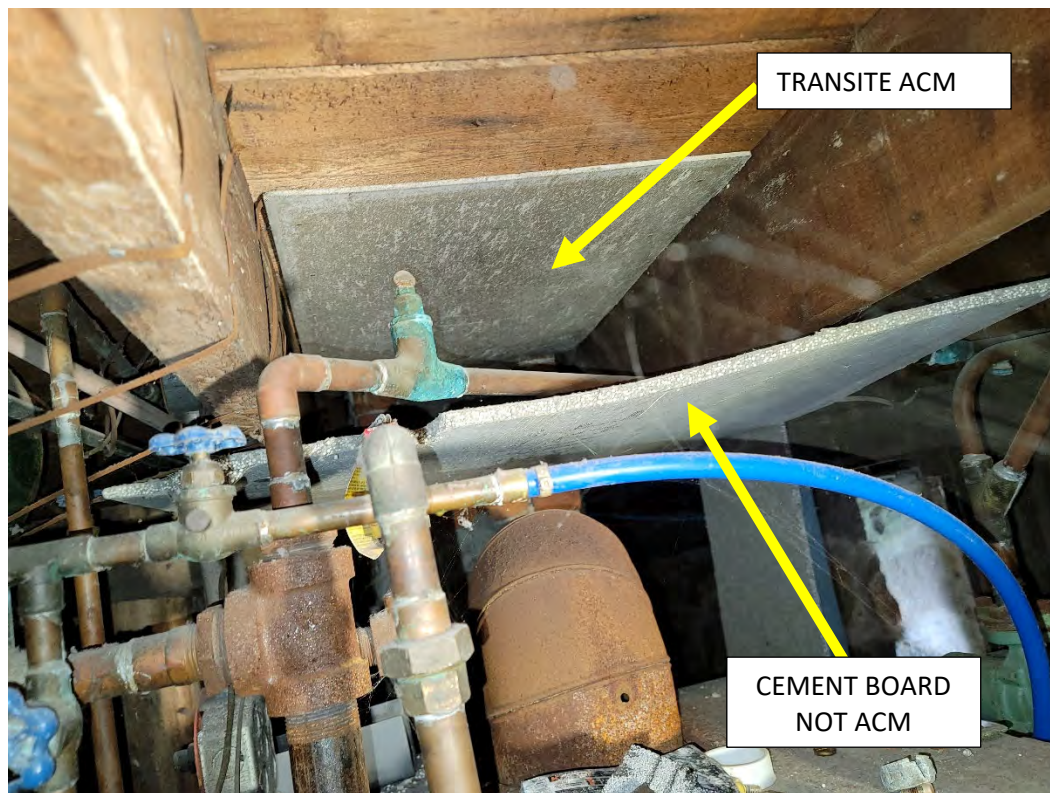
ACM roofing on south porch and "bump out" roof. Roof hatch in foreground.



446 Hillsboro Street  
Berlin, New Hampshire



ACM roofing on south porch and "bump out" roof (top) and rear shed (bottom).



Transite (ACM) board, basement furnace area.





## APPENDIX D

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

**III. BUILDING INFORMATION**

Building/Site Name    609 Hillsboro Street				
Street Address    609 Hillsboro Street		Town/City    Berlin	State    NH	ZIP Code    03576
Year Constructed    Circa 1914	Size (ft <sup>2</sup> )    +/-2,400 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 #: AS

Asbestos Inspection Conducted by: Calex Environmental, LLC, Ronald Guerin    Date: 6/8/2023

Type of inspection (Check all that apply):   
 Visual   
 Analytical Testing   
 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	Transite (presumed); Asphalt roofing on shed (2% - 3.1%); Asphalt roofing on south porch/addition (1.3% - 2.9%); all plaster walls & ceilings (2% -3.75%). 2nd floor flooring: Bed 4 (20%) & Bath 2 (30%) (All Chrysotile).
+/- 500 ft <sup>2</sup>	+/- 5,200 ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	
ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	

*Briefly describe work practices to be employed. Attach additional pages if needed.*

[asbestos@des.nh.gov](mailto: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.