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Pre-Demolition NESHAP Building Inspection

Site:

96-98 Hillside Avenue
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 29, 2023

Report Date: July 21, 2023

Calex Project: BER-22-007A/B



July 21, 2023

Calex Project: BER-22-007A/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
96-98 Hillside Avenue, 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
96-98 Hillside Avenue
Berlin, New Hampshire

Report Date: July 21, 2023

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PRE-DEMOLITION NESHAP ASBESTOS INSPECTION

for

**Multi-Family Residential Building and Residential Garage
96-98 Hillside Avenue, 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-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, ±33-Ft. x ±38-Ft. (nominal, excluding porches), 2 story, wood framed, two family residence. Large open porches face Hillside Avenue and Blanchard Street. A detached garage is located on the southern side of the property and adjoins the garage associated with the neighboring 90 Hillside Avenue property.

The building structure is estimated to have been constructed circa 1910 and the building has undergone a number of renovations over the ensuing years. The residence is constructed on a full height basement. A masonry brick chimney rises from the basement and extends through the building penetrating the building roof.

Finished interior wall surfaces consist primarily of plaster on lath, (exterior walls featuring double plaster applications separated by an air void), with some drywall panels with applied joint compound and also large areas of the lower wall areas finished with wood wainscotting. Some of the dry walled areas are constructed over former plaster/lath finishes. Texture coatings, (on drywall and on plaster) exist sporadically within the structure.

Ceilings are constructed primarily of plaster on lath, some plaster finishes having been refinished with texture coatings. Other ceilings are finished with drywall panels and/or cellulose ceiling tiles. Flooring materials include hardwood flooring and various resilient flooring materials.

The exterior of the residence building is covered with cementitious (Transite) siding. (Note: There is also a small area of Transite siding located around the garage overhead door.) Most of the window sashes incorporate putty type glazing. The building roofs are pitched and covered with asphalt roofing. Insulated sections of the residence (attic floor) incorporate loose cellulose insulation.

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. Resilient flooring used as a cabinet liner in the 1st floor kitchen cabinet (Line #25, Sample #1-37) was determined to contain 15% chrysotile asbestos.
- b. Window glazing collected from a window sash (Line #40, Sample #2-17) was determined to contain 2.5% - 3% chrysotile asbestos. All window sash with putty type glazing's (i.e., the glazing materials) are presumed to contain >1% asbestos.
- c. Insulating "mud" applied to pipe fittings (and additionally scattered remnants on the floor) in the building basement (Line #55, Sample #B-1; Line #56, Sample #B-2) was determined to contain 65% chrysotile asbestos.
- d. Resilient flooring (tan/cream color) used as a tabletop cover on a wooden table located in the basement (Line #60, Sample #B-6) was determined to contain 12% chrysotile asbestos.
- e. Cementitious (Transite) pipe stored outdoors adjacent to the garage door entrance (Line #61, Sample #G-1) was determined to contain 35% chrysotile asbestos.
- f. Cementitious (Transite) siding affixed to the building exterior (Line #71, Sample #E-5) and also stored in a box in the attic (presumed ACM) were determined to contain 20% chrysotile asbestos. Note: A small section of the garage, i.e., around the overhead door, is clad with Transite siding material.
- g. Aircell piping insulation located on piping and additionally as scattered remnants

on the floor of the building basement are presumed to contain >1% 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. Adhesive used with the resilient flooring material (Layer 3) on the kitchen floor in the 1st floor apartment (Line #82, Sample #1-25; Line #83, Sample # 1-26) was determined to contain <1% chrysotile asbestos.

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 **96-98 Hillside Avenue, 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 ±150-gram RBM sample was collected by Calex on June 29, 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 **1.4 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-22-7A	
SITE:	96-98 HILLSIDE AVE	
SAMPLE DATE:	June 29, 2023	
MATERIAL	LOCATION	SAMPLE ID
ADHESIVE ON MASONITE	1ST FLOOR BATHROOM	1-1
ADHESIVE ON MASONITE	1ST FLOOR BATHROOM	1-2
DRYWALL	1ST FLOOR BATHROOM	1-3
ADHESIVE	1ST FLOOR BATHROOM SHOWER SURROUND	1-4
ADHESIVE ON COMPOSITE	1ST FLOOR BATHROOM SHOWER SURROUND	1-5
PLASTER	1ST FLOOR BEDROOM 1 WALLS (INTERIOR)	1-6
PLASTER	1ST FLOOR BEDROOM 1 WALLS (EXTERIOR LAYER)	1-7
CEILING TILE	1ST FLOOR BEDROOM 1 (LARGE SYTLE)	1-8
GLAZING	1ST FLOOR BEDROOM 1	1-9
ADHESIVE	1ST FLOOR KITCHEN WALL	1-10
ADHESIVE	1ST FLOOR KITCHEN WALL	1-11
ADHESIVE ON MASONITE	1ST FLOOR KITCHEN WALL (GREEN MASONITE)	1-12
PLASTER	1ST FLOOR BEDROOM 2 WALL	1-13
PLASTER	1ST FLOOR BEDROOM 2 CEILING	1-14
PLASTER	1ST FLOOR KITCHEN (EXTERIOR LAYER)	1-15
PLASTER	1ST FLOOR KITCHEN (INTERIOR)	1-16
DRYWALL WITH JOINT COMPOUND	1ST FLOOR STAIRCASE	1-29
RESILIENT FLOORING	1ST FLOOR STAIRCASE	1-30
MASTIC	1ST FLOOR STAIRCASE	1-31
TEXTURE ON PLASTER	1ST FLOOR STAIRCASE	1-32
RESILIENT FLOORING	1ST FLOOR BASEMENT STAIR	1-33
RESILIENT FLOORING	1ST FLOOR BASMENT STAIR PANTRY	1-34
RESILIENT FLOORING ON HARDBOARD	1ST FLOOR BASEMENT STAIR	1-35
FURNACE CEMENT	1ST FLOOR LIVING ROOM CHIMMNEY	1-36
RESILIENT FLOORING	1ST FLOOR CABINET LINER	1-37
PLASTER	2ND FLOOR BEDROOM 1 CEILING	2-1
CEILING TILE	2ND FLOOR BEDROOM 1 CEILING	2-2
PLASTER	2ND FLOOR BEDROOM 1 (EXTERIOR LAYER)	2-3
GLAZING	2ND FLOOR BEDROOM 1	2-4
PLASTER	2ND FLOOR BEDROOM 2 WALL (INTERIOR)	2-5
PLASTER	2ND FLOOR BEDROOM 2 CEILING	2-6
PLASTER	2ND FLOOR BEDROOM 2 WALL (EXTERIOR)	2-7
GLAZING	2ND FLOOR DINING WINDOW	2-8
CEILING TILE	2ND FLOOR DINING CEILING	2-9
ADHESIVE	2ND FLOOR BATH WALLS (4X4 SQ)	2-12
ADHESIVE	2ND FLOOR BATH WALLS (4X4 SQ)	2-13
ADHESIVE	2ND FLOOR BATH SHOWER SURROUND	2-14
ADHESIVE	2ND FLOOR BATH SHOWER SURROUND	2-15
GLAZING	2ND FLOOR DEN WINDOW (NORTH)	2-16
GLAZING	2ND FLOOR DEN WINDOW (NORTH)	2-17
CEILING TILE	2ND FLOOR BATH (LARGE TYPE)	2-18
GLAZING	2ND FLOOR DINING WINDOW	2-19
JOINT COMPOUND	2ND FLOOR BATHROOM	2-20
RESILIENT FLOORING	2ND FLOOR ENTRY TO ATTIC STAIR (1X1)	2-22
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR BATH	2-23
RESILIENT FLOORING W/ ADHESIVE	2ND FLOOR BATH	2-24
TEXTURE COATING	2ND FLOOR REAR STAIRWELL WALL	2-25
TEXTURE COATING	2ND FLOOR REAR STAIRWELL WALL	2-26
TEXTURE COATING ON DRYWALL	2ND FLOOR LIVING ROOM	2-27

(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-22-7A	
SITE:	96-98 HILLSIDE AVE	
SAMPLE DATE:	June 29, 2023	
MATERIAL	LOCATION	SAMPLE ID
TEXTURE COATING ON DRYWALL	2ND FLOOR LIVING ROOM	2-28
CEILING TILE	2ND FLOOR LIVING ROOM (LARGE TYPE)	2-29
LOOSE INSULATION	ATTIC FLOOR	A-1
WHITE FIBER	ATTIC (BAGGED)	A-2
PLASTER	ATTIC STAIRWAY	A-3
INSULATION MUD	BASEMENT PIPE FITTINGS	B-1
INSULATION MUD	BASEMENT PIPE FITTINGS	B-2
FIBEROUS ROPE	BASEMENT (LOOSE FLOOR)	B-3
BOILER INSULATION	BASEMENT (LOOSE FLOOR) WHITE	B-4
RESILIENT FLOORING	BASEMENT TABLE TOP (TYPE 1)	B-5
RESILIENT FLOORING	BASEMENT TABLE TOP (TYPE 2)	B-6
TRANSITE PIPE	EXTERIOR BY GARAGE DOOR	G-1
ASPHALT ROOFING	GARAGE ROOF (LAYER 1)	G-2
ASPHALT ROOFING	GARAGE ROOF (LAYER 1)	G-3
ASPHALT ROOFING	GARAGE ROOF (LAYER 2)	G-4
ASPHALT ROOFING	GARAGE ROOF (LAYER 2)	G-5
BUILDING PAPER	GARAGE INTERIOR WALLS	G-6
ASPHALT ROOFING	MAIN ROOF (LAYER 2)	E-1
ASPHALT ROOFING	MAIN ROOF (LAYER 2)	E-2
ASPHALT ROOFING	MAIN ROOF (LAYER 1)	E-3
ASPHALT ROOFING	MAIN ROOF (LAYER 1)	E-4
TRANSITE SIDING	EXTERIOR SIDING	E-5
BUILDING PAPER	EXTERIOR UNDER TRANSITE SIDING	E-6
BUILDING PAPER	EXTERIOR UNDER TRANSITE SIDING	E-7
BUILDING PAPER	EXTERIOR UNDER WOODEN CLAPBOARDRS	E-8
ROSIN PAPER	1ST FLOOR BEDROOM 2 UNDER WOOD FLOOR	1-17
RESILIENT FLOORING	1ST FLOOR KITCHEN (DARK CENTER OF FLOOR) (LAY 1)	1-19
RESILIENT FLOORING	1ST FLOOR KITCHEN (DARK CENTER OF FLOOR) (LAY 1)	1-20
RESILIENT FLOORING	1ST FLOOR KITCHEN (LIGHT BORDER) (LAY 1)	1-21
RESILIENT FLOORING	1ST FLOOR KITCHEN (LIGHT BORDER) (LAY 1)	1-22
RESILIENT FLOORING	1ST FLOOR KITCHEN (LAYER 2)	1-23
RESILIENT FLOORING	1ST FLOOR KITCHEN (LAYER 2)	1-24
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR KITCHEN (LAYER 3)	1-25
RESILIENT FLOORING W/ ADHESIVE	1ST FLOOR KITCHEN (LAYER 3)	1-26
GLAZING	1ST FLOOR STORM WINDOWS	1-27
GLAZING	1ST FLOOR DEN (STAINED GLASS)	1-28
LAMINATE WITH ADHESIVE	1ST FLOOR KITCHEN COUNTER TOP	1-29

(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-22-7A
 SITE: 96-98 HILLSIDE AVE
 SAMPLE DATE: June 29, 2023

MATERIAL	LOCATION	SAMPLE ID	APPROX. QUANTITY	ASBESTOS CONTENT	AHERA CLASS			NESHAP CLASS		
					S	T	M	F	C1	C2
RESILIENT FLOORING	1ST FLOOR KITCHEN, CABINET LINER	1-37	4 FT2	15%			X		X	
GLAZING MATERIAL	WINDOW SASH	2-17	3 FT2	2.5% - 3%			X			X
INSULATING MUD	BASEMENT PIPING (OVERHEAD AND REMNANTS ON FLOOR)	B-1, B-2	5 FT2	65%		X		X		
RESILIENT FLOORING (TAN-CREAM)	BASEMENT TABLE TOP	B-6	4 FT2	12%			X		X	
6" DIA. TRANSITE PIPE	ON GROUND OUTSIDE GARAGE	G-1	± 40 LnFt	35%			X			X
TRANSITE SIDING	EXTERIOR BUILDING SIDING (ALSO SMALL AREA LOCATED AROUND THE GARAGE OVEHEAD DOOR)	E-5	2,000 FT2	20%			X			X
TRANSITE SIDING	BOX STORED IN ATTIC	PRESUMED	20 FT2	PRESUMED			X			X
AIR CELL PIPE INSULATION	BASMENT PIPING (ON PIPE OVERHEAD) AND SCATTERED ON BASEMENT FLOOR	PRESUMED	± 70 LnFt	PRESUMED		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

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 *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 reaccréditation 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

August 17, 2022
Examination Date

August 17, 2023
Expiration Date

Jonathan Ellis
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





#23027201

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-7A
95-98 Hillside Avenue

Collected: **June 29, 2023**
Received: **July 6, 2023**
Reported: **July 13, 2023**

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 86 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 - Adhesive on Masonite	Adhesive / Black		None Detected
2	1-2 - Adhesive on Masonite	Adhesive / Black		None Detected
3	1-3 - Drywall	Drywall / White	8% Cellulose Fibers	None Detected
4	1-4 - Adhesive	Adhesive / Yellow		None Detected
5	1-5 - Adhesive on Composite	Adhesive / Yellow		None Detected
6	1-6 - Plaster	Skim Coat / Gray		None Detected
7	1-7 - Plaster	Rough Coat / White	5% Animal Hair	None Detected
8	1-8 - Ceiling Tile	Ceiling Tile / White/Brown	95% Cellulose Fibers	None Detected
9	1-9 - Glazing	Glazing / Cream		None Detected
		Glazing / Off-White		None Detected
10	1-10 - Adhesive	Adhesive / Black		None Detected
11	1-11 - Adhesive	Adhesive / Black		None Detected
12	1-12 - Adhesive on Masonite	Adhesive / Black		None Detected
13	1-13 - Plaster	Skim Coat / Gray		None Detected
14	1-14 - Plaster	Skim Coat / Gray		None Detected



Collected: Jun 29, 2023

Received: Jul 6, 2023

Reported: Jul 13, 2023

Revision: 2

Project Analyst:
 Cameron Trichell, *Cameron Trichell*

Date:
 07 - 18 - 2023

Reviewed By:
 David McDonald, PHR *David McDonald*

Date:
 07 - 18 - 2023

#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
15	1-15 - Plaster	Rough Coat / White	5% Animal Hair	None Detected
16	1-16 - Plaster	Skim Coat / Gray		None Detected
17	1-29 - Drywall with Joint Compound	Drywall / Off-White	7% Cellulose Fibers	None Detected
		Joint Compound / White		None Detected
18	1-30 - Resilient Flooring	Floor Tile / Black		None Detected
		Adhesive / Yellow		None Detected
19	1-31 - Mastic	Adhesive / Yellow		None Detected
20	1-32 - Texture on Plaster	Texture / White		None Detected
21	1-33 - Resilient Flooring	Vinyl Tile / Brown		None Detected
22	1-34 - Resilient Flooring	Flooring / Brown	80% Cellulose Fibers	None Detected
23	1-35 - Resilient Flooring on Hardboard	Floor Tile / Brown	20% Cellulose Fibers	None Detected
24	1-36 - Furnace Cement	Cementitious / Gray		None Detected
25	1-37 - Resilient Flooring	Linoleum / Off-White	10% Cellulose Fibers	15% Chrysotile
26	2-1 - Plaster	Skim Coat / Gray		None Detected
27	2-2 - Ceiling Tile	Ceiling Tile / White/Brown	95% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
28	2-3 - Plaster	Rough Coat / White	5% Animal Hair	None Detected
29	2-4 - Glazing	Glazing / Cream		None Detected
		Glazing / Off-White		None Detected
30	2-5 - Plaster	Skim Coat / Gray		None Detected
31	2-6 - Plaster	Skim Coat / Gray		None Detected
32	2-7 - Plaster	Rough Coat / White	5% Animal Hair	None Detected
33	2-8 - Glazing	Glazing / Off-White		None Detected
34	2-9 - Ceiling Tile	Ceiling Tile / White/Brown	95% Cellulose Fibers	None Detected
35	2-12 - Adhesive	Adhesive / Yellow		None Detected
36	2-13 - Adhesive	Adhesive / Yellow		None Detected
37	2-14 - Adhesive	Adhesive / Yellow		None Detected
		Drywall / Off-White	5% Cellulose Fibers	None Detected
38	2-15 - Adhesive	Adhesive / Yellow		None Detected
		Joint Compound / White		None Detected
		Drywall / Off-White	5% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
39	2-16 - Glazing	Glazing / Cream		None Detected
40	2-17 - Glazing	Glazing / Cream		3% Chrysotile
41	2-18 - Ceiling Tile	Ceiling Tile / White/Brown	95% Cellulose Fibers	None Detected
42	2-19 - Glazing	Glazing / Off-White		None Detected
43	2-20 - Joint Compound	Joint Compound / White		None Detected
44	2-22 - Resilient Flooring	Floor Tile / Off-White		None Detected
		Adhesive / Yellow		None Detected
45	2-23 - Resilient Flooring w/Adhesive	Floor Tile / Black		None Detected
		Adhesive / Yellow		None Detected
46	2-24 - Resilient Flooring w/Adhesive	Floor Tile / Black		None Detected
		Adhesive / Yellow		None Detected
47	2-25 - Texture Coating	Texture / Cream		None Detected
48	2-26 - Texture Coating	Rough Coat / Gray		None Detected
		Texture / Cream		None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
49	2-27 - Texture Coating on Drywall	Drywall / Off-White/Brown	12% Cellulose Fibers	None Detected
		Texture / White/Blue		None Detected
50	2-28 - Texture Coating on Drywall	Drywall / Off-White/Brown	12% Cellulose Fibers	None Detected
		Texture / White/Blue		None Detected
51	2-29 - Ceiling Tile	Ceiling Tile / White/Tan	95% Cellulose Fibers	None Detected
52	A-1 - Loose Insulation	Insulation / Yellow	90% Cellulose Fibers	None Detected
53	A-2 - White Fiber	Fibrous / White	95% Fiberglass	None Detected
54	A-3 - Plaster	Rough Coat / Gray		None Detected
55	B-1 - Insulation Mud	Insulation / Off-White		65% Chrysotile
56	B-2 - Insulation Mud	Insulation / Off-White		65% Chrysotile
57	B-3 - Fibrous Rope	Fibrous / Off-White	98% Synthetic Fibers	None Detected
58	B-4 - Boiler Insulation	Insulation / Off-White	98% Fiberglass	None Detected
59	B-5 - Resilient Flooring	Flooring / Tan	35% Cellulose Fibers	None Detected
60	B-6 - Resilient Flooring	Flooring / Cream	25% Cellulose Fibers	12% Chrysotile
61	G-1 - Transite Pipe	Transite / Gray		35% Chrysotile



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
62	G-2 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers	None Detected
63	G-3 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers	None Detected
64	G-4 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers	None Detected
65	G-5 - Asphalt Roofing	Roofing / Black	30% Cellulose Fibers	None Detected
66	G-6 - Building Paper	Paper / Brown	98% Cellulose Fibers	None Detected
67	E-1 - Asphalt Roofing	Roofing / Black	15% Cellulose Fibers	None Detected
68	E-2 - Asphalt Roofing	Roofing / Black	15% Cellulose Fibers	None Detected
69	E-3 - Asphalt Roofing	Roofing / Black	10% Fiberglass	None Detected
70	E-4 - Asphalt Roofing	Roofing / Black	10% Fiberglass	None Detected
71	E-5 - Transite Siding	Tar Paper / Black	60% Cellulose Fibers	None Detected
	Lab Note: Discrepancy With COC. Tar Paper Observed.			
72	E-6 - Building Paper	Transite / Gray		20% Chrysotile
	Lab Note: Discrepancy With COC. Transite Observed.			
73	E-7 - Building Paper	Tar Paper / Black	60% Cellulose Fibers	None Detected



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Date:
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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
74	E-8 - Building Paper	Paper / Brown	97% Cellulose Fibers	None Detected
75	1-17 - Rosin Paper	Paper / Brown	97% Cellulose Fibers	None Detected
76	1-19 - Resilient Flooring	Floor Tile / Black		None Detected
		Adhesive / Yellow		None Detected
77	1-20 - Resilient Flooring	Floor Tile / Black		None Detected
		Adhesive / Yellow		None Detected
78	1-21 - Resilient Flooring	Floor Tile / Gray		None Detected
		Adhesive / Yellow		None Detected
79	1-22 - Resilient Flooring	Floor Tile / Black		None Detected
		Adhesive / Clear		None Detected
80	1-23 - Resilient Flooring	Flooring / Tan	25% Cellulose Fibers	None Detected
81	1-24 - Resilient Flooring	Flooring / Tan	25% Cellulose Fibers	None Detected
82	1-25 - Resilient Flooring w/Adhesive	Adhesive / Brown		<1% Chrysotile
		Fibrous / Brown	97% Cellulose Fibers	None Detected



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#	Sample	Material Description	Non-Asbestos Fibers	Asbestos Fibers
83	1-26 - Resilient Flooring w/Adhesive	Adhesive / Brown		<1% Chrysotile
		Fibrous / Brown	97% Cellulose Fibers	None Detected
84	1-27 - Glazing	Glazing / Off-White		None Detected
85	1-28 - Glazing	Glazing / Off-White		None Detected
86	1-29 - Laminate with Adhesive	Laminate / Tan	60% Cellulose Fibers	None Detected
		Adhesive / Cream		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
40	2-17 - Glazing	Glazing / Cream	400		2.50% Chrysotile



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Date:
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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.



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 COLEBROOK, NH 03576

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HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/29/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-1	ADHESIVE ON MASONITE	PLM		5 DAY		
1-2	ADHESIVE ON MASONITE	PLM		5 DAY		
1-3	DRYWALL	PLM		5 DAY		
1-4	ADHESIVE	PLM		5 DAY		
1-5	ADHESIVE ON COMPOSITE	PLM		5 DAY		
1-6	PLASTER	PLM		5 DAY		
1-7	PLASTER	PLM		5 DAY		
1-8	CEILING TILE	PLM		5 DAY		
1-9	GLAZING	PLM		5 DAY		
1-10	ADHESIVE	PLM		5 DAY		
1-11	ADHESIVE	PLM		5 DAY		
1-12	ADHESIVE ON MASONITE	PLM		5 DAY		
1-13	PLASTER	PLM		5 DAY		
1-14	PLASTER	PLM		5 DAY		

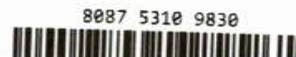
Analysis Type	Description	Available Turn-Around Times
PLM	EPA 600/R-93/116, M-4/82-020	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
PC	EPA Point Count	3 Hour, Same Day, 1 Day, 2 Day, 3 Day, 5 Day
NY	NYSDOH ELAP 198.1, 198.6	1 Day, 2 Day, 3 Day, 5 Day
PCM	NIOSH 7400	Same Day, 1 Day, 2 Day, 3 Day, 5 Day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



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HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/29/2023 Notes: SAMPLE 1-29 UTILIZE COMPOSITE ANALYSIS FOR DRYWALL AND JOINT COMPOUND

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-15	PLASTER	PLM		5 DAY		
1-16	PLASTER	PLM		5 DAY		
1-29	DRYWALL WITH JOINT COMPOUND	PLM		5 DAY		
1-30	RESILIENT FLOORING	PLM		5 DAY		
1-31	MASTIC	PLM		5 DAY		
1-32	TEXTURE ON PLASTER	PLM		5 DAY		
1-33	RESILIENT FLOORING	PLM		5 DAY		
1-34	RESILIENT FLOORING	PLM		5 DAY		
1-35	RESILIENT FLOORING ON HARDBOARD	PLM		5 DAY		
1-36	FURNACE CEMENT	PLM		5 DAY		
1-37	RESILIENT FLOORING	PLM		5 DAY		
2-1	PLASTER	PLM		5 DAY		
2-2	CEILING TILE	PLM		5 DAY		
2-3	PLASTER	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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HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/29/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-4	GLAZING	PLM		5 DAY		
2-5	PLASTER	PLM		5 DAY		
2-6	PLASTER	PLM		5 DAY		
2-7	PLASTER	PLM		5 DAY		
2-8	GLAZING	PLM		5 DAY		
2-9	CEILING TILE	PLM		5 DAY		
2-12	ADHESIVE	PLM		5 DAY		
2-13	ADHESIVE	PLM		5 DAY		
2-14	ADHESIVE	PLM		5 DAY		
2-15	ADHESIVE	PLM		5 DAY		
2-16	GLAZING	PLM		5 DAY		
2-17	GLAZING	PLM		5 DAY		
2-18	CEILING TILE	PLM		5 DAY		
2-19	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

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HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@callexenvironmental.com

Date Collected: 6/29/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
2-20	JOINT COMPOUND	PLM		5 DAY		
2-22	RESILIENT FLOORING	PLM		5 DAY		
2-23	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-24	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
2-25	TEXTURE COATING	PLM		5 DAY		
2-26	TEXTURE COATING	PLM		5 DAY		
2-27	TEXTURE COATING ON DRYWALL	PLM		5 DAY		
2-28	TEXTURE COATING ON DRYWALL	PLM		5 DAY		
2-29	CEILING TILE	PLM		5 DAY		
A-1	LOOSE INSULATION	PLM		5 DAY		
A-2	WHITE FIBER	PLM		5 DAY		
A-3	PLASTER	PLM		5 DAY		
B-1	INSULATION MUD	PLM		5 DAY		
B-2	INSULATION MUD	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

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HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/29/2023

Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
B-3	FIBEROUS ROPE	PLM		5 DAY		
B-4	BOILER INSULATION	PLM		5 DAY		
B-5	RESILIENT FLOORING	PLM		5 DAY		
B-6	RESILIENT FLOORING	PLM		5 DAY		
G-1	TRANSITE PIPE	PLM		5 DAY		
G-2	ASPHALT ROOFING	PLM		5 DAY		
G-3	ASPHALT ROOFING	PLM		5 DAY		
G-4	ASPHALT ROOFING	PLM		5 DAY		
G-5	ASPHALT ROOFING	PLM		5 DAY		
G-6	BUILDING PAPER	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		

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

ASBESTOS



23027201



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

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

Asbestos - Chain of Custody

Form v.101302.5

HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@callexenvironmental.com

Date Collected: 6/29/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
1-28	GLAZING	PLM		5 DAY		
1-29	LAMINATE WITH ADHESIVE	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 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
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ASBESTOS



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Company:

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 PO BOX 236
 COLEBROOK, NH 03576

Asbestos - Chain of Custody

Form v.101302.5

PAGE **6** OF **7**

HMC #

Job Number: BER-22-7A Job Name: 96-98 HILLSIDE AVE Collector: RONALD GUERIN Email: rguerin@calexenvironmental.com

Date Collected: 6/29/2023 Notes:

Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Group #	Pos. Stop
E-5	TRANSITE SIDING	PLM		5 DAY		
E-6	BUILDING PAPER	PLM		5 DAY		
E-7	BUILDING PAPER	PLM		5 DAY		
E-8	BUILDING PAPER	PLM		5 DAY		
1-17	ROSIN PAPER	PLM		5 DAY		
1-19	RESILIENT FLOORING	PLM		5 DAY		
1-20	RESILIENT FLOORING	PLM		5 DAY		
1-21	RESILIENT FLOORING	PLM		5 DAY		
1-22	RESILIENT FLOORING	PLM		5 DAY		
1-23	RESILIENT FLOORING	PLM		5 DAY		
1-24	RESILIENT FLOORING	PLM		5 DAY		
1-25	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-26	RESILIENT FLOORING W/ ADHESIVE	PLM		5 DAY		
1-27	GLAZING	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



ASBESTOS



22027204



#23027175

Analysis Report prepared for

Calex Environmental, LLC

110 Main St.
Colebrook, NH 03576

Phone: (603) 237-9399

BER-22-7B
96-98 Hillside

Collected: **June 29, 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 - 96-98 Hillside Building Composite	100	1.4	5.0	0.50



Collected: Jun 29, 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 data-bbox="394 431 474 456">Location</th> <th data-bbox="695 431 869 456">EPA Clearance Level</th> <th data-bbox="940 431 1087 456">EPA Hazard Level</th> <th data-bbox="1157 431 1423 456">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"><40.0µg/ft²</td> <td data-bbox="940 496 1024 521">10.0µg/ft²</td> <td data-bbox="1157 496 1230 521">5.0µg/ft²</td> </tr> <tr> <td data-bbox="394 553 611 578">Interior Window Sills (SL)</td> <td data-bbox="695 553 791 578"><250.0µg/ft²</td> <td data-bbox="940 553 1037 578">100.0µg/ft²</td> <td data-bbox="1157 553 1241 578">40.0µg/ft²</td> </tr> <tr> <td data-bbox="394 610 569 634">Window Wells (WW)</td> <td data-bbox="695 610 791 634"><400.0µg/ft²</td> <td data-bbox="940 610 1087 634"></td> <td data-bbox="1157 610 1251 634">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

N
SHIP: FEDEX - BOX 50
DATE: 07-06-2023
8087 5310 9830

METALS

23027175

Form v.1U1308.1

HMC #

Job Number: BER-22-7B Job Name: 96-98 HILLSIDE Collector: Ronald Guerin Email: rguerin@calexenvironmental.com
Date Collected: 6/29/2023 Notes: 1 OF 1
Mobile: 6033311963

Sample #	Sample Name	Analysis Type	Volume	TAT	Notes
TCLP-1	96-98 HILLSIDE BUILDING COMPOSITE	TCLP - LEAD	+/-110 GR	3 DAY	

Analysis Type		Description	Available Turn-Around Times		
Air	LA	NIOSH 7082	Same Day, 1 Day, 3 Day, 5 Day		
Wipe	LW	EPA 7000B Lead Wipe	Same Day, 1 Day, 3 Day, 5 Day		
Paint	LP	EPA 7000B Paint Chip	Same Day, 1 Day, 3 Day, 5 Day		
TCLP	TCLP	TCLP Lead	1 Day, 3 Day		
Relinquished by:	RON GUERIN	Date: 7/3/2023	Rcvd By: <i>SM</i>	Date: 7/6/23	Time:

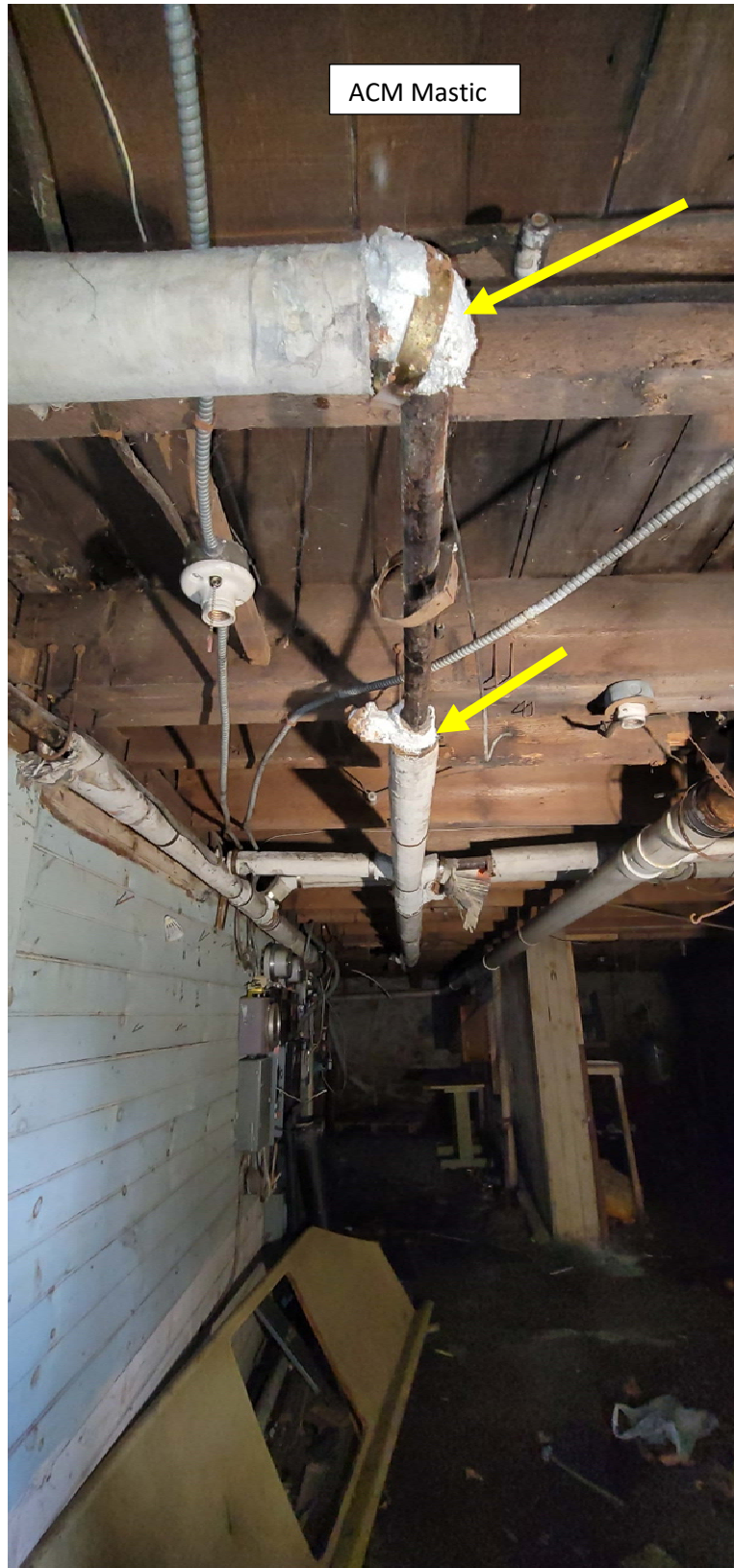


APPENDIX C

Photos



827 Western Avenue
Berlin, New Hampshire



ACM Mastic

NO ACM

Aircell pipe insulation and insulating mud (typical)

(603) 237-9399 PO Box 236, Colebrook, NH 03576 (603) 237-9303 (fax)

office@calexenvironmental.com

www.calexenvironmental.com



827 Western Avenue
Berlin, New Hampshire



Aircell (ACM) pipe insulation on basement floor (typical)



Transite pipe stored outside garage.



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	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 96-98 Hillside			
Street Address 96-98 Hillside Avenue	Town/City Berlin	State NH	ZIP Code 03576
Year Constructed Circa 1910	Size (ft ²) +/- 2,500 Ft ² (2) floors	Number of Floors 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
+/- 70 ft	+/- 40 ft	ft	ft
+/- 5 ft ²	+/- 2,030 ft ²	ft ²	ft ²
ft ³	ft ³	ft ³	ft ³
List Types of Asbestos and Location in Building			
Resilient flooring 1st fl kitchen (15%); window glazings (2.5% - 3%); TSI mud basement (65%); TSI aircell basement (presumed); Resilient flooring basement (12%); Transite siding (20%); transite pipe (35%) 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.