



**HAZARDOUS MATERIALS SURVEY
COMMERCIAL BUILDING
10 SOUTH BROADWAY
SALEM, NEW HAMPSHIRE**

January 2020

Project 19039



HAZARDOUS MATERIALS SURVEY

Commercial Property
10 South Broadway
Salem, New Hampshire

January 9, 2020

Project 19039

Prepared for:

Vanasse Hangen Brustlin
101 Walnut Street
Watertown, MA 02472
ATTN: Katherine Kudzma

Prepared by:

Green Environmental, Inc.
296 Weymouth Street, Unit C
Rockland, MA 02370
Phone: (617) 479-0550
Fax: (617) 479-5150
www.greenenvironmental.com



GREEN 
ENVIRONMENTAL

TABLE OF CONTENTS

| | | |
|------------|--|----------|
| 1.0 | INTRODUCTION..... | 1 |
| 1.1 | Building Description | 1 |
| 1.2 | Scope of Work | 1 |
| 2.0 | ASBESTOS SURVEY..... | 2 |
| 2.1 | Regulatory Background..... | 2 |
| 2.2 | Sample Collection and Analysis | 2 |
| 3.0 | LEAD BASED PAINT SURVEY | 4 |
| 3.1 | Regulatory Background | 4 |
| 3.2 | Sample Analysis..... | 4 |
| 4.0 | OTHER HAZARDOUS MATERIALS..... | 5 |
| 4.1 | Oil, Paints & Cleaners..... | 5 |
| 4.2 | Mercury Containing Devices | 5 |
| 4.3 | Fluorescent Lights & Ballasts | 5 |
| 4.4 | Refrigerants..... | 5 |
| 4.5 | Emergency Equipment..... | 5 |
| 5.0 | RESULTS AND RECOMMENDATIONS | 6 |
| 6.0 | LIMITATIONS | 7 |

FIGURES

Figure 1 1st Floor Plan
Figure 2 2nd Floor Plan

APPENDICES

Appendix A Site Photographs
Appendix B Assessor's Property Record Card
Appendix C Asbestos Personal Accreditation
Appendix D Asbestos Laboratory Analytical Data
Appendix E Locations of Identified Asbestos-Containing Materials
Appendix F XRF Field Inspection Sheets
Appendix G Locations of Regulated Materials



1.0 INTRODUCTION

Green Environmental, Inc. (GREEN) was retained by Vanasse Hangen Brustlin (VHB) to conduct a hazardous materials survey of the commercial building located at 10 South Broadway in Salem, New Hampshire. GREEN understands the surrounding area is scheduled to be redeveloped and that the existing structure will be demolished. GREEN completed this Hazardous Materials Survey to support the planned redevelopment.

1.1 Building Description

According to the Town of Salem Assessor field card and GREEN's site inspection, the building located at 10 South Broadway is an approximately 3,945 square-foot, two-story, commercial building constructed in 1910.

The building has a concrete and stone foundation, with wood frame construction and an asphalt shingle roof. Representative site photographs for the building are included in **Appendix A**. Floor plans are provided for reference included as **Figure 1** and **Figure 2**.

1.2 Scope of Work

GREEN was retained to conduct a Hazardous Materials Survey to document the presence of oil or hazardous materials at the subject building that may require abatement and/or special handling and disposal prior to building demolition. The Survey included assessment for the presence of asbestos and lead-based paint, and the cataloging of oils and/or hazardous materials located within the building. Bulk samples of suspect building materials were collected using destructive measures, and submitted for laboratory analysis as appropriate. The presence of lead-based paint was evaluated using an X-Ray fluorescence (XRF) field instrument.

2.0 ASBESTOS SURVEY

2.1 Regulatory Background

Regulations for asbestos exposure and/or asbestos release have been promulgated by the United States Environmental Protection Agency (EPA), U.S. Occupational Safety and Health Administration (OSHA), and New Hampshire Department of Environmental Services (NHDES).

OSHA regulates asbestos in the workplace through the Asbestos for General Industry Standard (29 Code of Federal Regulations [CFR] 1910.1001) and the removal of regulated asbestos-containing material (RACM) through the Asbestos Standard for Construction (29 CFR 1926.1101). OSHA regulations are created for the protection of the health of workers who may be occupationally exposed to asbestos. These occupations include asbestos abatement, construction activities, building maintenance, and others. OSHA requires that asbestos ACM be removed or appropriately abated prior to any work which will disturb the material, including demolition and renovation. Additionally, OSHA stipulates that thermal system insulation (TSI), surfacing materials and floor tile installed before 1980 must be presumed to be ACM unless appropriate sampling and analysis prove otherwise.

EPA and NHDES regulate ACM associated with building demolition, renovation, and abatement projects. The regulations are promulgated via the National Emission Standards for Hazardous Air Pollutants (NESHAP 40 CFR part 61) and the New Hampshire Cod of Administrative Rules (Env-A 1800). The regulations are developed to protect public health and the environment and require that buildings be inspected for asbestos prior to any demolition or renovation. Further, the regulations require that all affected friable and non-friable ACM which is damaged or will be damaged as a result of the demolition or renovation activities be properly removed or abated prior to disturbance by the work.

NESHAP defines three types of ACM:

- Friable ACM: ACM that can be reduced to powder by hand pressure requiring removal prior to renovation or demolition (e.g., thermal system insulation (TSI), plaster, joint compound, ceiling tiles).
- Category I non-friable ACM: ACM that is not friable and does not require removal prior to demolition, unless these materials have become friable, will become friable if disturbed, or are in poor condition; must be removed prior to renovation (e.g., resilient floor covering, packings, gaskets, asphalt roofing).
- Category II non-friable ACM: ACM that is not friable and does not require removal prior to demolition, unless these materials have become friable, will become friable if disturbed, or are in poor condition; must be removed prior to renovation (all other non-friable ACM).

RACM is friable ACM and non-friable ACM that may become friable during demolition or renovation activities. Practically speaking, both Category I non-friable ACM and Category II non-friable ACM will become friable in a typical commercial demolition or renovation scenario and must be abated prior to the work.

2.2 Sample Collection and Analysis

Bulk samples were collected based on type and quantity of each suspect material following the sampling guidelines set forth in the Asbestos Hazard Emergency Response Act (AHERA 40 CFR 763.86). Green inspected for materials among those defined as suspect ACM by EPA's AHERA regulation which include:

- Thermal system insulation (TSI) (e.g., pipe/boiler lagging, duct insulation);
- Surfacing materials (e.g., spray-on insulation, texturing materials, plaster), and;
- Miscellaneous materials (e.g., ceiling tiles, transite panels, flooring, vibration joints, drywall).

Fiberglass, foam glass, rubber, wood products, plastic products, glass and steel were not sampled since they are not considered suspect ACM.

The asbestos survey was conducted by Mr. Luke Krzyzewski, New Hampshire Accredited Asbestos Inspector AI100882. A copy of personnel accreditation is included as **Appendix B**. A total of 58 bulk samples were collected from the 10 South Broadway building on December 12, 2019. The samples were collected using hand tools, and sampling equipment was cleaned between the collection of each sample. Each sample location was wet with water prior to sampling to avoid creating dust during sampling. Bulk samples were placed in individual air tight plastic bags and transferred to Asbestos Identification Laboratory of Woburn, Massachusetts for analysis via EPA 600/R-93/116 and/or EPA Interim Method 600/M4-82-020 methods using Polarized Light Microscopy (PLM). Asbestos Identification Laboratory is licensed by the National Voluntary Laboratory Accreditation Program (NVLAP) (#200919-00) for bulk asbestos analysis. The field survey, chain of custody documentation and laboratory certificates of analysis are included in **Appendix C**. In accordance with NESHAP and NHDES regulations, materials are considered asbestos-containing if they contain greater than 1% asbestos as determined by PLM.

The following is a list of materials that were determined to be **asbestos-containing**:

- Beige Sheet Floor
- Corrugated Cardboard Pipe Insulation (stored)

The following is a list of materials that were determined to be **non-asbestos-containing**:

Interior:

- Yellow Carpet Mastic
- Gray Floor Paper
- Square Pattern Sheet Floor and Adhesive
- Ceramic Floor Tile Adhesive and Grout
- Drywall
- Textured Ceiling
- 1' x 1' Smooth Ceiling Tile
- White Sink Mastic
- Black Floor Paper
- Rock Pattern Sheet Floor and Adhesive
- Diamond Pattern Sheet Floor and Adhesive
- Gray Cove Base and Adhesive
- Joint Compound
- Plaster Base Coat
- 2' x 2' Rough Ceiling Tile

Exterior:

- Siding Paper
- Asphalt Shingle
- Roof Paper

Based on the review of analytical data associated with the above bulk sample collection, asbestos was **positively** identified at the 10 South Broadway building. Please refer to **Appendix E** which summarizes the materials, locations, and estimated quantities that tested positive for asbestos at the 10 South Broadway building. Site photographs are included in **Appendix A**. A Site Plan is included as **Figure 1**.

3.0 LEAD BASED PAINT SURVEY

3.1 Regulatory Background

The Occupational Safety and Health Administration (OSHA) worker protection rule has established a permissible exposure limit (PEL) of 0.050 milligrams per cubic meter for airborne lead. OSHA worker protection rules are applicable for any amount of lead. The Resource Conservation and Recovery Act (RCRA) regulates wastes containing lead as hazardous wastes if the leachable lead in the waste exceeds 5 parts per million (ppm) by Toxicity Characteristic Leachate Procedure (TCLP).

The United States Department of Housing and Urban Development (HUD) has established a threshold for in-lace paint of 1 mg/cm² lead as measured by X-ray fluorescence (XRF), above which paint is considered lead-containing. Although HUD guidelines are only directly applicable to residential buildings, the threshold is useful as a guideline for identifying exposure and waste disposal issues in non-residential buildings.

3.2 Sample Analysis

A Lead Based Paint (LBP) Survey was conducted on December 12 and 13, 2020 by Mr. David Pesce, New Hampshire Lead Inspector and Risk Assessor No. RA-00059, utilizing an XRF. This is a non-destructive analytical technique used to determine the elemental composition of materials. XRF analyzers determine the chemistry of a sample by measuring the fluorescent (or secondary) X-ray emitted from a sample when it is excited by a primary X-ray source. This release of energy is then registered by the detector in the XRF instrument, which in turn categorizes the energies by element.

The investigation included a survey of painted surfaces for the presence of lead-based paint (LBP) throughout the building. Painted surfaces containing elevated levels of lead were identified during the survey. Please refer to the field inspection log sheets, included as **Appendix F**, which identifies the locations of elevated lead painted surfaces.

The purpose of the LBP survey was to assist the owner and/or contractor in OSHA compliance for worker protection during the planned renovation of the subject building. Survey results may also assist with characterization of construction debris/waste prior to disposal.

4.0 OTHER HAZARDOUS MATERIALS

4.1 Oil, Paints & Cleaners

No cleaning, maintenance supplies, or paints were noted within the property building.

4.2 Mercury Containing Devices

One (1) mercury containing thermostat was identified within the building. Each individual tilt switch contains approximately three grams of mercury. The mercury-containing ampoules should be removed from each applicable thermostat by an environmental professional, prior to building demolition. The removed ampoules are classified as a Universal Waste and must be contained/packaged and labeled in accordance with the Federal Universal Waste Rule, and transported off-site for recycling. Please refer to **Appendix G**, for approximate quantities and locations of Mercury Containing Devices.

4.3 Fluorescent Lights & Ballasts

Fluorescent light fixtures were noted throughout the building. Fluorescent lighting tubes can contain both mercury and lead, and have special handling and disposal requirements. Under federal regulations used fluorescent lamp becomes a waste on the day that it is discarded. The disposal of fluorescent lighting tubes is regulated under the Resource Conservation and Recovery Act (RCRA).

Additionally, fluorescent light ballasts manufactured prior to 1979 may contain polychlorinated biphenyls (PCBs). PCB-based oils were used as insulating oil in many types of ballast to provide cooling and electrical isolation. PCBs are regulated by the EPA and also have special handling and disposal requirements, depending on the concentration.

Each light fixture should be inspected for “No PCBs” labeling, prior to removal. Lighting ballasts which contain PCBs should be segregated from non-PCB containing ballasts and properly disposed. Ballasts with no labeling should be considered PCB. The fluorescent tubes should be transported off-site for recycling. Please refer to **Appendix G**, for approximate quantities and locations of fluorescent lights and ballasts.

4.4 Refrigerants

No refrigerants were observed within the property building.

4.5 Emergency Equipment

Emergency lights were observed within the subject building. Batteries associated with these units are an alkaline, NiMH and NiCAD source. The batteries should be either recycled or properly disposed, prior to being disturbed. Emergency exit signs can also contain radioactive components requiring proper disposal. Please refer to **Appendix G**, for approximate quantities and locations of emergency equipment.

5.0 RESULTS AND RECOMMENDATIONS

GREEN has completed a Hazardous Materials Survey of the building located at 10 South Broadway in Salem, New Hampshire. The property building consists of an approximately 3,945 square foot commercial structure. GREEN understands the existing structure will be demolished. GREEN completed this Hazardous Materials Survey to support the planned redevelopment. The Survey included assessment for the presence of asbestos via bulk sample collection and laboratory analysis, a lead-based paint XRF survey, and the cataloging of oils and/or hazardous materials located within the building.

Asbestos was positively identified at the 10 South Broadway building, as summarized in **Section 2** and **Appendix E**. In accordance with NESHPAP and NHDES regulations, all friable ACM, or materials made friable by demolition or renovation activities, must be removed from the building by a licensed asbestos abatement contractor, prior to demolition or renovation. Removal of ACM is regulated by NHDES. GREEN recommends the identified ACMs be removed from the buildings in accordance with applicable asbestos abatement regulations prior to the start of planned demolition activities. Asbestos abatement must be done by a New Hampshire licensed Asbestos Abatement Contractor and be properly disposed of offsite at an appropriate receiving facility in compliance with all applicable state and federal regulations. The New Hampshire asbestos regulations require visual inspection and clearance air monitoring at the completion of an asbestos abatement project. Additionally, full-time monitoring of asbestos abatement procedures in compliance with design specifications and regulations is recommended during major asbestos abatement projects.

NHDES regulations require notification to the Department and local government officials using the Asbestos Demolitions/Renovation Notification Form, 201-05-31 at least 10 working days prior to conducting of an asbestos response action of more than 10 linear-feet or 25 square feet of ACM.

Based on the results of the lead-based paint survey, lead concentrations at or greater than 1.0 mg/cm² were identified as described in the XRF field inspection sheets included as **Appendix F**. OSHA worker protection rules apply for any amount of lead in paint, GREEN recommends that the owner provide the results of the LBP survey provided in this report to its demolition contractor. The contractor should consider this information in planning for worker protection during the renovation waste disposal. Removal of the paint prior to demolition is not required. However, the contractor may choose to monitor ambient air for lead during demolition, or demonstrate through air monitoring data collected from previous similar projects that the concentrations of lead identified will not result in an exceedance of the OSHA PEL during the demolition. The demolition contractor should also consider whether TCLP characterization of the demolition debris in accordance with RCRA is appropriate. Demolition work must be conducted in accordance with applicable federal, state, and local regulations.

Other oil and hazardous materials were identified within the building and should be properly segregated, disposed/or recycled as appropriate as summarized in **Section 4 and Appendix G** of this Survey report.

6.0 LIMITATIONS

The opinions expressed by GREEN are based solely on the observations, sampling and analysis, and information cited in this report. Observations were made at the subject site under the conditions stated. The purpose of this study was to determine the nature and approximate quantities of hazardous materials prior to demolition activities. This report does not constitute a complete determination of whether past or current owners, operators or occupants of the site have been in compliance with all applicable state, federal or local environmental regulations. This report does not constitute an AHERA survey. GREEN makes no representation regarding material located in inaccessible areas.

Semi-destructive measures were implemented to obtain bulk samples for asbestos analysis. GREEN makes no representation regarding inaccessible materials which may be located within walls, ceilings, ducts, roofs, below grade or other inaccessible areas. Additional field measurements and/or bulk sampling may be required following the exposure/removal of walls, flooring, etc. Should additional material be identified during demolition activities that are not listed in this report the work should be stopped and samples be collected to determine if hazardous classification is warranted.

Our conclusions are based solely on the information described herein and are believed to be representative of conditions at the time of the building survey. If additional information concerning the environmental conditions of the subject site becomes available, GREEN should be notified and presented with that information. Based on the new information, we will reevaluate the conclusions stated in this report to determine whether modifications are warranted.

This report is not a project specification and should not be used as a bidding document, including an asbestos abatement or building demolition specification.

We appreciate the opportunity to provide you with these environmental services. Please contact the undersigned with any questions at 617-479-0550.

Sincerely,
GREEN ENVIRONMENTAL, INC.



Luke Krzyzewski
Project Manager
Environmental Consulting Services



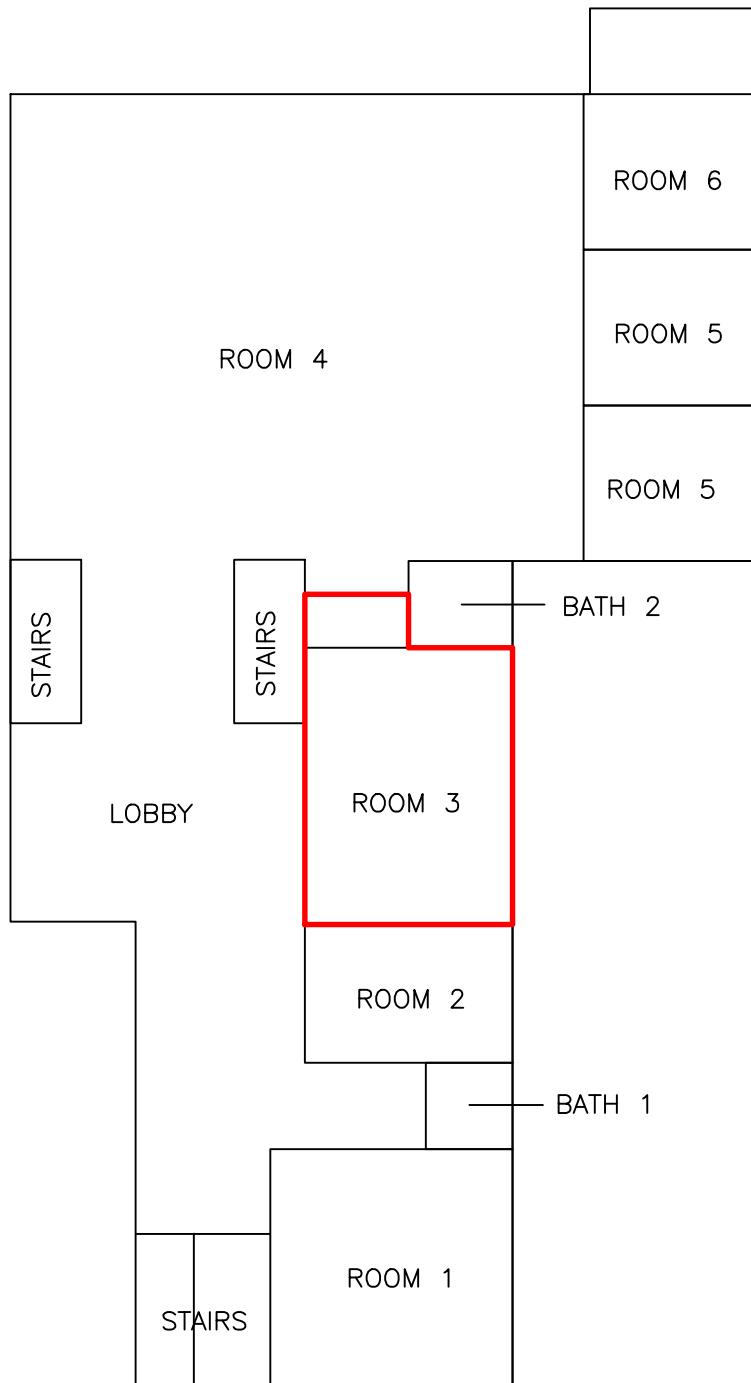
Kristen Awed-Ladas
Senior Project Manager
Environmental Consulting Services



Plans and Figures



NORTH



APPROXIMATE LOCATION OF
ASBESTOS CONTAINING BEIGE
SHEET FLOOR

FIRST FLOOR SITE PLAN
10 SOUTH BROADWAY
SALEM, NH

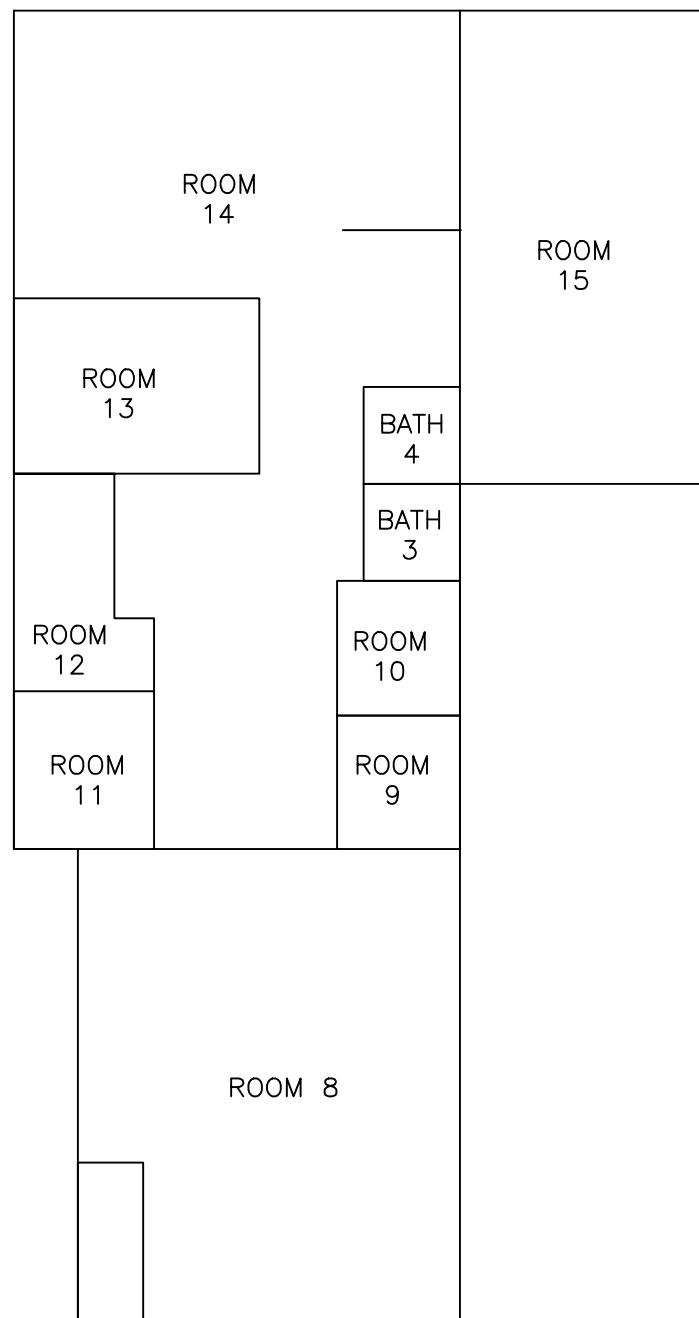
GREEN
ENVIRONMENTAL

VHB
101 WALNUT STREET
WATERTOWN, MA

FIGURE: 1
PROJECT NO.: 19039
DATE: JANUARY 2020

APPROVED BY: KA
CHECKED BY: KA
DRAWN BY: LK

NORTH



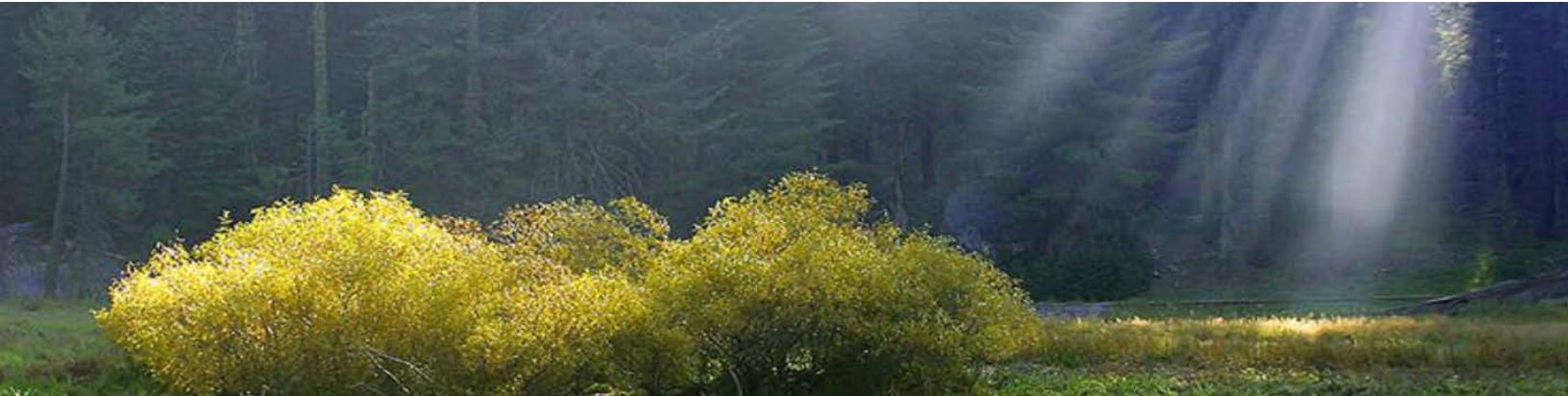
SECOND FLOOR SITE PLAN
10 SOUTH BROADWAY
SALEM, NH

GREEN 
ENVIRONMENTAL

VHB
101 WALNUT STREET
WATERTOWN, MA

FIGURE: 2
PROJECT NO.: 19039
DATE: JANUARY 2020

APPROVED BY: KA
CHECKED BY: KA
DRAWN BY: LK



Appendix A





A view of the south side of the building facing northwest



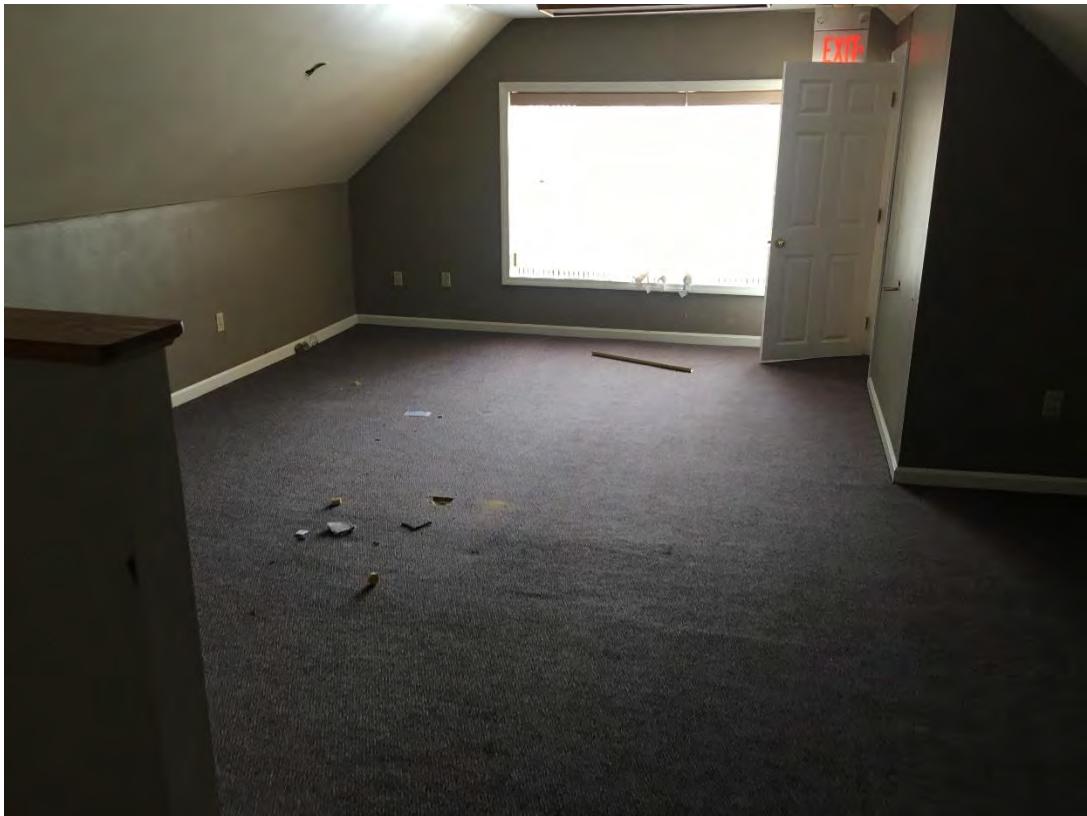
A view of the north side of the building, facing west



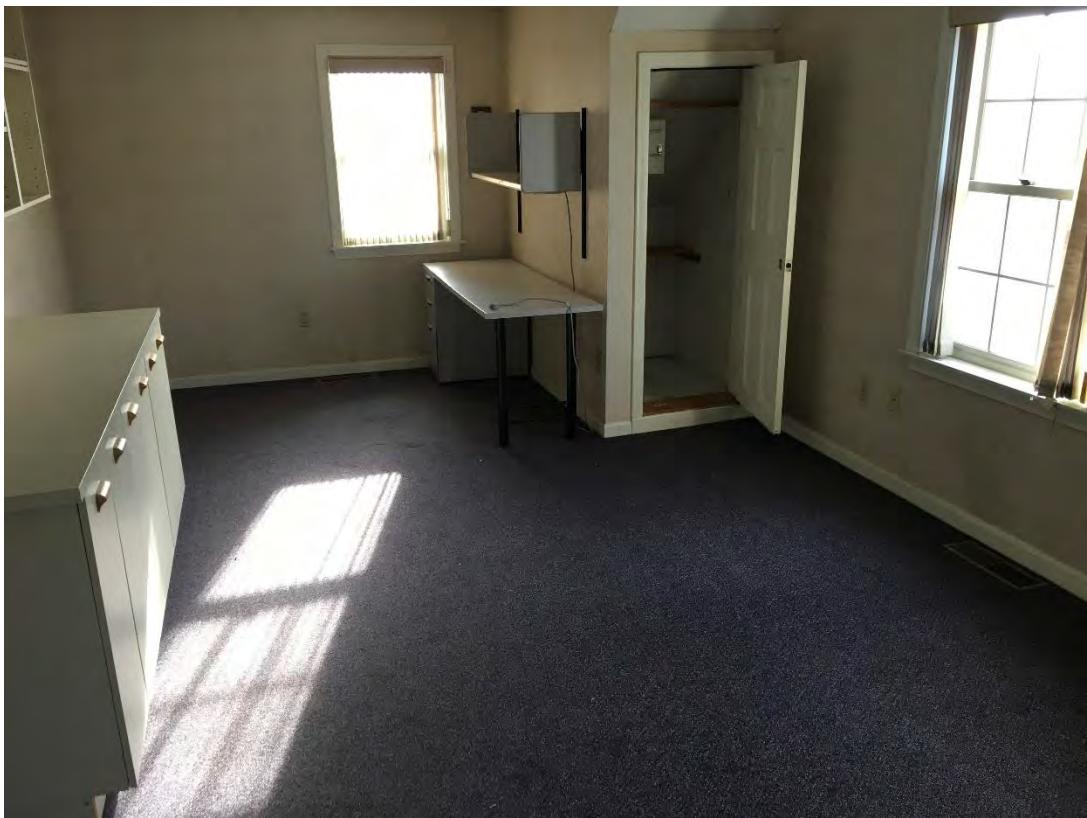
A view of the 1st floor of the 10 South Broadway building



A view of the 1st floor of the 10 South Broadway building



A view of the 2nd floor of the 10 South Broadway building



A view of the 2nd floor of the 10 South Broadway building



Appendix B



10 S BROADWAY

Location 10 S BROADWAY

Mblu 89/ / 1093/ /

Acct#

Owner 10 SOUTH BROADWAY LLC

Assessment \$447,600

Appraisal \$447,600

PID 6363

Building Count 1

Current Value

| Appraisal | | | |
|----------------|--------------|-----------|-----------|
| Valuation Year | Improvements | Land | Total |
| 2018 | \$198,700 | \$248,900 | \$447,600 |
| Assessment | | | |
| Valuation Year | Improvements | Land | Total |
| 2018 | \$198,700 | \$248,900 | \$447,600 |

Owner of Record

Owner 10 SOUTH BROADWAY LLC

Sale Price \$0

Co-Owner

Certificate

Address PO BOX 90
SALEM, NH 03079-0090

Book & Page 3339/2943

Sale Date 10/21/1998

Ownership History

| Ownership History | | | | |
|-----------------------|------------|-------------|-------------|------------|
| Owner | Sale Price | Certificate | Book & Page | Sale Date |
| 10 SOUTH BROADWAY LLC | \$0 | | 3339/2943 | 10/21/1998 |
| | \$0 | | 2584/1364 | 04/30/1980 |

Building Information

Building 1 : Section 1

Year Built: 1910
 Living Area: 3,945
 Replacement Cost: \$349,446
 Replacement Cost
 Less Depreciation: \$195,700

Building Photo

| Building Attributes | |
|---------------------|-------------|
| Field | Description |
| STYLE | Office Bldg |
| MODEL | Comm/Ind |
| Stories: | 2 |

| | |
|------------------|-------------------|
| Occupancy | 1 |
| Exterior Wall 1 | Clapboard |
| Exterior Wall 2 | |
| Roof Structure | Gable/Hip |
| Roof Cover | Asph/F Gls/Cmp |
| Interior Wall 1 | Drywall/Sheet |
| Interior Wall 2 | |
| Interior Floor 1 | Carpet |
| Interior Floor 2 | |
| Heating Fuel | Oil |
| Heating Type | Forced Air-Duc |
| AC Type | Central |
| Bldg Use | OFFICE BLD MDL-94 |
| Total Rooms | |
| Total Bedrms | 00 |
| Total Baths | 0 |
| 1st Floor Use: | 3400 |
| Heat/AC | HEAT/AC PKGS |
| Frame Type | WOOD FRAME |
| Baths/Plumbing | AVERAGE |
| Ceiling/Wall | CEIL & WALLS |
| Rooms/Prtns | AVERAGE |
| Wall Height | 8 |
| % Comm Wall | 0 |



(http://images.vgsi.com/photos/SalemNHPhotos//00\00\00\96.jpg)

Building Layout



(http://images.vgsi.com/photos/SalemNHPhotos//Sketches/6363.

| Building Sub-Areas (sq ft) | | Legend | |
|----------------------------|------------------------------|------------|-------------|
| Code | Description | Gross Area | Living Area |
| BAS | First Floor | 2,113 | 2,113 |
| FUS | Upper Story, Finished | 1,563 | 1,563 |
| FHS | Half Story, Finished | 538 | 269 |
| FOP | Porch, Open, Finished | 204 | 0 |
| UBM | Basement, Unfinished | 960 | 0 |
| UST | Utility, Storage, Unfinished | 32 | 0 |
| | | 5,410 | 3,945 |



Extra Features

| Extra Features | | Legend |
|----------------------------|--|--------|
| No Data for Extra Features | | |

Land

Land Use

Use Code 3400

Land Line Valuation

Size (Acres) 0.2

| | | | |
|---------------|-------------------|-----------------|-----------|
| Description | OFFICE BLD MDL-94 | Frontage | 0 |
| Zone | CA | Depth | 0 |
| Neighborhood | 600 | Assessed Value | \$248,900 |
| Alt Land Appr | No | Appraised Value | \$248,900 |
| Category | | | |

Outbuildings

| Outbuildings | | | | | | <u>Legend</u> |
|--------------|----------------|----------|-----------------|-----------|----------------|---------------|
| Code | Description | Sub Code | Sub Description | Size | Assessed Value | Bldg # |
| PAV1 | PAVING-ASPHALT | | | 4000 S.F. | \$3,000 | 1 |

Valuation History

| Appraisal | | | |
|----------------|--------------|-----------|-----------|
| Valuation Year | Improvements | Land | Total |
| 2017 | \$198,700 | \$248,900 | \$447,600 |
| 2016 | \$198,700 | \$248,900 | \$447,600 |
| 2015 | \$204,200 | \$230,900 | \$435,100 |

| Assessment | | | |
|----------------|--------------|-----------|-----------|
| Valuation Year | Improvements | Land | Total |
| 2017 | \$198,700 | \$248,900 | \$447,600 |
| 2016 | \$198,700 | \$248,900 | \$447,600 |
| 2015 | \$204,200 | \$230,900 | \$435,100 |

(c) 2019 Vision Government Solutions, Inc. All rights reserved.



Appendix C



GREEN ENVIRONMENTAL, INC.

Personnel Accreditation

Accredited Inspector

Name: Luke Krzyzewski

Accreditation Number: AI100882

Signature: 

Licensure:

STATE OF NEW HAMPSHIRE

Department of Environmental Services
Asbestos Management & Control Program

ASBESTOS INSPECTOR

LUKE E KRZYZEWSKI

DOB: 05/20/89

Eff. Date: 01/17/20

Exp. Date: 01/16/21



R

AI100882

Craig A. Wright
Craig A. Wright, Director
Air Resources Division



Appendix D





Asbestos Identification Laboratory

165 New Boston St., Ste 227

Woburn, MA 01801

781-932-9600

Web: www.asbestosidentificationlab.com

Email: mikemanning@asbestosidentificationlab.com

Batch:

49454

NVLAP[®]
Lab Code: 200919-0

December 31, 2019

Luke Krzyzewski
Green Environmental Inc.
296 C Weymouth St.
Rockland, MA 02370

Project Name: 10 South Broadway, Salem, NH
Project Number: #19039
Date Sampled: 2019-12-12
Work Received: 2019-12-23
Work Analyzed: 2019-12-30

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

Dear Luke Krzyzewski,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency. Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Luke Krzyzewski for your business.

Michael Manning
Owner/Director

Luke Krzyzewski
 Green Environmental Inc.
 296 C Weymouth St.
 Rockland, MA 02370

Project Name: 10 South Broadway, Salem, NH
Project Number: #19039
Date Sampled: 2019-12-12
Work Received: 2019-12-23
Work Analyzed: 2019-12-30

Analysis Method: BULK PLM ANALYSIS EPA/600/R-93/116

| FieldID | Material | Location | Color | Non-Asbestos % | Asbestos % |
|--------------|--------------------------------------|--------------|-------|--------------------------|-----------------------------------|
| LabID | | | | | |
| 1A 548005 | Yellow Carpet Mastic | 1st, Lobby | tan | Cellulose Non-Fibrous | 95 5 None Detected |
| 1B 548006 | Yellow Carpet Mastic | 2nd, Room 14 | tan | Cellulose Non-Fibrous | 95 5 None Detected |
| 2A 548007 | Black Floor Paper | 1st, Lobby | black | Cellulose Non-Fibrous | 70 30 None Detected |
| 2B 548008 | Black Floor Paper | 1st, Lobby | black | Cellulose Non-Fibrous | 70 30 None Detected |
| 3A 548009 | Black Floor Paper | 1st, Lobby | black | Cellulose Non-Fibrous | 80 20 None Detected |
| 3B 548010 | Black Floor Paper | 1st, Lobby | black | Cellulose Non-Fibrous | 80 20 None Detected |
| 4A 548011 | Gray Floor Paper | 1st, Lobby | tan | Cellulose Non-Fibrous | 95 5 None Detected |
| 4B 548012 | Gray Floor Paper | 1st, Lobby | tan | Cellulose Non-Fibrous | 95 5 None Detected |
| 5A 548013 | Beige Sheet Floor | 1st, Room 3 | gray | Non-Fibrous | 98 Detected Chrysotile 2 |
| 5B 548014 | Beige Sheet Floor | 1st, Room 3 | | | Not Analyzed |
| 6A 548015 | Rock Pattern Sheet Floor | 1st, Room 2 | multi | Cellulose Non-Fibrous | 50 50 None Detected |
| 6B 548016 | Rock Pattern Sheet Floor | 1st, Room 2 | multi | Cellulose Non-Fibrous | 50 50 None Detected |
| 7A 548017 | Rock Pattern Sheet Floor Adhesive | 1st, Room 2 | brown | Non-Fibrous | 100 None Detected |
| 7B 548018 | Rock Pattern Sheet Floor Adhesive | 1st, Room 2 | brown | Non-Fibrous | 100 None Detected |

| FieldID | Material | Location | Color | Non-Asbestos % | Asbestos % |
|---------|--------------------------|-------------|--------|-----------------|---------------|
| LabID | | | | | |
| 8A | Square Pattern Sheet | 1st, Bath 2 | multi | Cellulose 30 | None Detected |
| 548019 | Floor | | | Non-Fibrous 70 | |
| 8B | Square Pattern Sheet | 1st, Bath 2 | multi | Cellulose 30 | None Detected |
| 548020 | Floor | | | Non-Fibrous 70 | |
| 9A | Square Pattern Sheet | 1st, Bath 2 | yellow | Non-Fibrous 100 | None Detected |
| 548021 | Floor Adhesive | | | | |
| 9B | Square Pattern Sheet | 1st, Bath 2 | yellow | Non-Fibrous 100 | None Detected |
| 548022 | Floor Adhesive | | | | |
| 10A | Diamond Pattern Sheet | 2nd, Bath 3 | multi | Cellulose 20 | None Detected |
| 548023 | Floor | | | Non-Fibrous 80 | |
| 10B | Diamond Pattern Sheet | 2nd, Bath 4 | multi | Cellulose 20 | None Detected |
| 548024 | Floor | | | Non-Fibrous 80 | |
| 11A | Diamond Pattern Sheet | 2nd, Bath 3 | yellow | Non-Fibrous 100 | None Detected |
| 548025 | Floor Adhesive | | | | |
| 11B | Diamond Pattern Sheet | 2nd, Bath 4 | yellow | Non-Fibrous 100 | None Detected |
| 548026 | Floor Adhesive | | | | |
| 12A | Ceramic Floor Tile | 1st, Lobby | yellow | Non-Fibrous 100 | None Detected |
| 548027 | Adhesive | | | | |
| 12B | Ceramic Floor Tile | 1st, Lobby | yellow | Non-Fibrous 100 | None Detected |
| 548028 | Adhesive | | | | |
| 13A | Ceramic Floor Tile Grout | 1st, Lobby | red | Fiberglass 2 | None Detected |
| 548029 | | | | Non-Fibrous 98 | |
| 13B | Ceramic Floor Tile Grout | 1st, Lobby | red | Fiberglass 2 | None Detected |
| 548030 | | | | Non-Fibrous 98 | |
| 14A | Gray Cove Base | 1st, Bath 2 | gray | Non-Fibrous 100 | None Detected |
| 548031 | | | | | |
| 14B | Gray Cove Base | 1st, Bath 2 | gray | Non-Fibrous 100 | None Detected |
| 548032 | | | | | |
| 15A | Gray Cove Base Adhesive | 1st, Bath 2 | yellow | Cellulose 2 | None Detected |
| 548033 | | | | Non-Fibrous 98 | |
| 15B | Gray Cove Base Adhesive | 1st, Bath 2 | yellow | Cellulose 2 | None Detected |
| 548034 | | | | Non-Fibrous 98 | |
| 16A | Drywall | 1st, Room 4 | multi | Cellulose 20 | None Detected |
| 548035 | | | | Non-Fibrous 80 | |
| 16B | Drywall | 2nd, Room 9 | multi | Cellulose 20 | None Detected |
| 548036 | | | | Non-Fibrous 80 | |

| FieldID LabID | Material | Location | Color | Non-Asbestos % | Asbestos % |
|------------------|--|-------------------|-------|-----------------------------------|-------------------------------|
| 17A 548037 | Joint Compound | 1st, Room 1 | white | Non-Fibrous 100 | None Detected |
| 17B 548038 | | 1st, Lobby | white | Non-Fibrous 100 | None Detected |
| 17C 548039 | Joint Compound | 1st, Room 5 | white | Non-Fibrous 100 | None Detected |
| 17D 548040 | | 2nd, Room 8 | white | Non-Fibrous 100 | None Detected |
| 17E 548041 | Joint Compound | 2nd, Room 11 | white | Non-Fibrous 100 | None Detected |
| 18A 548042 | | 2nd, Room 8 | white | Non-Fibrous 100 | None Detected |
| 18B 548043 | Textured Ceiling | 2nd, Room 11 | white | Non-Fibrous 100 | None Detected |
| 18C 548044 | | 2nd, Room 15 | white | Non-Fibrous 100 | None Detected |
| 19A 548045 | Plaster Base Coat | 1st, Lobby | multi | Hair 5 Non-Fibrous 95 | None Detected |
| 19B 548046 | | 1st, Room 1 | multi | Hair 5 Non-Fibrous 95 | None Detected |
| 19C 548047 | Plaster Base Coat | 1st, Room 2 | multi | Hair 5 Non-Fibrous 95 | None Detected |
| 20A 548048 | 1x1 Smooth Ceiling Tile | 1st, Room 1 | brown | Cellulose 100 | None Detected |
| 20B 548049 | | 1st, Room 1 | brown | Cellulose 100 | None Detected |
| 21A 548050 | 2x2 Smooth Ceiling Plaster | 1st, Room 1 | gray | Mineral Wool 70 Non-Fibrous 30 | None Detected |
| 21B 548051 | | 1st, Room 5 | gray | Mineral Wool 70 Non-Fibrous 30 | None Detected |
| 22A 548052 | White Sink Mastic | 1st, Room 4 | gray | Cellulose 5 Non-Fibrous 95 | None Detected |
| 22B 548053 | | 1st, Room 4 | gray | Cellulose 5 Non-Fibrous 95 | None Detected |
| 23A 548054 | Corrugate Cardboard Pipe Insulation | B, Front Basement | gray | Cellulose 30 Non-Fibrous 40 | Detected Chrysotile 30 |

| FieldID LabID | Material | Location | Color | Non-Asbestos % | Asbestos % |
|------------------|--|----------------------|-------|---------------------------------|---------------|
| 23B 548055 | Corrugate Cardboard Pipe Insulation | B, Front Basement | | | Not Analyzed |
| 23C 548056 | Corrugate Cardboard Pipe Insulation | B, Front Basement | | | Not Analyzed |
| 24A 548057 | Siding Paper | Exterior, North Side | brown | Cellulose 100 | None Detected |
| 24B 548058 | Siding Paper | Exterior, South Side | brown | Cellulose 100 | None Detected |
| 25A 548059 | Roof Paper | Exterior, Roof | black | Fiberglass 10 Non-Fibrous 90 | None Detected |
| 25B 548060 | Roof Paper | Exterior, Roof | black | Fiberglass 10 Non-Fibrous 90 | None Detected |
| 26A 548061 | Asphalt Shingle | Exterior, Roof | black | Fiberglass 20 Non-Fibrous 80 | None Detected |
| 26B 548062 | Asphalt Shingle | Exterior, Roof | black | Fiberglass 20 Non-Fibrous 80 | None Detected |

Tuesday 31

Analyzed by:

Erik Songas

End of Report

Batch: 49454

Page 4 of 4

Due 12-12-19

| CHAIN OF CUSTODY | | Page <u>1</u> of <u>1</u> | | | |
|---|----------------------------------|---|-----------------------------------|---|--|
| EPA/600/R-93/116 | | Turnaround Time | Sample Method | | |
| Asbestos Identification Lab 165 New Boston St. Suite 227 Woburn, MA 01801 (781)932-9600 www.asbestosidentificationlab.com Date Sampled: <u>12-23-19</u> BATCH# <u>LA9454</u> Rev 06/16 | | <input checked="" type="checkbox"/> Less 3 Hrs <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Same Day <input type="checkbox"/> Soil <input type="checkbox"/> Next Day <input type="checkbox"/> Wipe <input type="checkbox"/> Day <input type="checkbox"/> Point Count <input type="checkbox"/> Stop on 1st Positive? <input checked="" type="checkbox"/> Yes/No Notify Method: Mail/E-Mail/Verbal Analyzed By: <u>Biggs</u> Date: <u>12-23-19</u> | | | |
| # of Samples Received: <u>58</u> Temp in Celsius = <u>27</u> | | Stereo Scope | | | |
| Lab ID# (Lab Use Only) Field ID/ (Client Reference) Material / Location | Optical Properties | | RI | Non-Asbestos Percentage (%) | |
| | % of Asbestos <u>0</u> | Asbestos % <input type="checkbox"/> Chrysotile <input type="checkbox"/> Amosite <input type="checkbox"/> Crocidolite <input type="checkbox"/> Tremolite <input type="checkbox"/> Anthophyllite <input type="checkbox"/> Actinolite | | Morphology | <input type="checkbox"/> Extinction |
| | | | | <input type="checkbox"/> Sign of Elongation | <input type="checkbox"/> Birefringence |
| | | | | <input type="checkbox"/> Pleochroism | <input type="checkbox"/> \parallel |
| | | | | <input type="checkbox"/> Fiberglass | <input type="checkbox"/> \perp |
| | | | | <input type="checkbox"/> Mineral Wool | <input type="checkbox"/> Cellulose |
| | | | | <input type="checkbox"/> Hair | <input type="checkbox"/> Synthetic |
| | | | | <input type="checkbox"/> Other | <input type="checkbox"/> Non-Fibrous |
| | | | | <input type="checkbox"/> <u>25</u> | <input type="checkbox"/> <u>25</u> |
| | | | | <input type="checkbox"/> <u>25</u> | <input type="checkbox"/> <u>25</u> |
| Material <u>1A</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Material <u>1B</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Material <u>2A</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Location <u>548005</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Location <u>06</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Location <u>07</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |
| Location <u>08</u> | | <input type="checkbox"/> <u>0</u> | <input type="checkbox"/> <u>5</u> | <input type="checkbox"/> <u>5</u> | |



| Field ID/ (Client Reference) | Material / Location | Temp in Celcius = <u>21</u> | Stereo Scope | Lab ID# (Lab Use Only) | | Optical Properties | RI | Non-Asbestos Percentage (%) | | | | | | |
|------------------------------------|---------------------|-----------------------------|--------------|---------------------------|-------|--------------------|---------|-----------------------------|------------|------------|------------|--------------------|---------------|--------------|
| | | | | % of Asbestos | Color | Homogeneity | Texture | Friable Asbestos Minerals | Asbestos % | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism |
| 08 | 2B | 09 | 3A | 0 | Blue | N | N | Chrysotile | 2 | 12 | 12 | 30 | | Fiberglass |
| | | | | 0 | Blue | N | N | Amosite | | | | | | Mineral Wool |
| | | | | 0 | Blue | N | N | Crocidolite | | | | | | Cellulose |
| | | | | 0 | Blue | N | N | Tremolite | | | | | | Hair |
| | | | | 0 | Blue | N | N | Anthophyllite | | | | | | Synthetic |
| | | | | 0 | Blue | N | N | Actinolite | | | | | | Other |
| | | | | 0 | Blue | N | N | Chrysotile | | | | | | Non-Fibrous |
| 10 | 3B | 10 | 3B | 0 | Blue | N | N | Amosite | | | | | | |
| | | | | 0 | Blue | N | N | Crocidolite | | | | | | |
| | | | | 0 | Blue | N | N | Tremolite | | | | | | |
| | | | | 0 | Blue | N | N | Anthophyllite | | | | | | |
| | | | | 0 | Blue | N | N | Actinolite | | | | | | |
| | | | | 0 | Blue | N | N | Chrysotile | | | | | | |
| 11 | 4A | 11 | 4A | 0 | Blue | N | N | Amosite | | | | | | |
| | | | | 0 | Blue | N | N | Crocidolite | | | | | | |
| | | | | 0 | Blue | N | N | Tremolite | | | | | | |
| | | | | 0 | Blue | N | N | Anthophyllite | | | | | | |
| | | | | 0 | Blue | N | N | Actinolite | | | | | | |
| | | | | 0 | Blue | N | N | Chrysotile | | | | | | |
| 12 | 4B | 12 | 4B | 0 | Blue | N | N | Amosite | | | | | | |
| | | | | 0 | Blue | N | N | Crocidolite | | | | | | |
| | | | | 0 | Blue | N | N | Tremolite | | | | | | |
| | | | | 0 | Blue | N | N | Anthophyllite | | | | | | |
| | | | | 0 | Blue | N | N | Actinolite | | | | | | |
| | | | | 0 | Blue | N | N | Chrysotile | | | | | | |

| | | Temp in Celsius = <u>27</u> | | Stereo Scope | | Optical Properties | | RI | Non-Asbestos Percentage (%) | Page <u>3</u> of _____ | | | | | |
|------------------------------------|---------------------------|-----------------------------|----------|---------------|-------------|--------------------|---------------|----------------------|-----------------------------|------------------------|------------|-----------------------|---------------|-------------|----|
| | | Material / Location | | % of Asbestos | | | | | | | | | | | |
| Field ID/ (Client Reference) | Lab ID# (Lab Use Only) | Material | Location | Color | Homogeneity | Texture | Friable | Asbestos Minerals | Asbestos % | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism | RI |
| 3 | 5A | Material | Location | 0 | 100 | 0 | Friable | Chrysotile | 2 | Fiberglass | + | + | + | + | |
| 4 | 5B | Material | Location | 0 | 100 | 0 | Asbestos | Amosite | 2 | Mineral Wool | + | + | + | + | |
| 5 | 6A | Material | Location | 0 | 100 | 0 | Amosite | Crocidolite | 2 | Cellulose | + | + | + | + | |
| 6 | 6B | Material | Location | 0 | 100 | 0 | Crocidolite | Tremolite | 2 | Hair | + | + | + | + | |
| 7 | 7A | Material | Location | 0 | 100 | 0 | Tremolite | Anthophyllite | 2 | Synthetic | + | + | + | + | |
| | | | | | | | Actinolite | Actinolite | 2 | Other | + | + | + | + | |
| | | | | | | | Chrysotile | Chrysotile | 2 | Non-Fibrous | + | + | + | + | |
| | | | | | | | Amosite | Amosite | 2 | | | | | | |
| | | | | | | | Crocidolite | Crocidolite | 2 | | | | | | |
| | | | | | | | Tremolite | Tremolite | 2 | | | | | | |
| | | | | | | | Anthophyllite | Anthophyllite | 2 | | | | | | |
| | | | | | | | Actinolite | Actinolite | 2 | | | | | | |
| | | | | | | | Actinolite | Actinolite | 2 | | | | | | |
| | | | | | | | Chrysotile | Chrysotile | 2 | | | | | | |
| | | | | | | | Amosite | Amosite | 2 | | | | | | |
| | | | | | | | Crocidolite | Crocidolite | 2 | | | | | | |
| | | | | | | | Tremolite | Tremolite | 2 | | | | | | |
| | | | | | | | Anthophyllite | Anthophyllite | 2 | | | | | | |
| | | | | | | | Actinolite | Actinolite | 2 | | | | | | |
| | | | | | | | Actinolite | Actinolite | 2 | | | | | | |
| | | | | | | | Amosite | Amosite | 2 | | | | | | |
| | | | | | | | Crocidolite | Crocidolite | 2 | | | | | | |
| | | | | | | | Tremolite | Tremolite | 2 | | | | | | |
| | | | | | | | Anthophyllite | Anthophyllite | 2 | | | | | | |
| | | | | | | | Actinolite | Actinolite | 2 | | | | | | |

1/2

| | | Temp in Celsius = <u>37</u> | | Stereo Scope | | Optical Properties | | RI | Non-Asbestos Percentage (%) | |
|---------------------------|----------|------------------------------------|----------|---------------|----------|--------------------|----------|-------------|-----------------------------|------------|
| | | Material / Location | | | | | | | | |
| Lab ID# (Lab Use Only) | | Field ID/ (Client Reference) | | % of Asbestos | | Color | | Homogeneity | Texture | Asbestos % |
| Material | Location | Material | Location | Material | Location | Material | Location | Material | Texture | Asbestos % |
| 18 | 7B | Material | Location | 0 | 0 | 0 | 0 | 0 | Friable | 0 |
| 19 | 8A | Material | Location | 0 | 0 | 0 | 0 | 0 | Asbestos Minerals | 0 |
| 20 | 8B | Material | Location | 0 | 0 | 0 | 0 | 0 | Asbestos % | 0 |
| 21 | 9A | Material | Location | 0 | 0 | 0 | 0 | 0 | Morphology | 0 |
| 22 | 9B | Material | Location | 0 | 0 | 0 | 0 | 0 | Extinction | 0 |
| | | | | | | | | | Sign of Elongation | 0 |
| | | | | | | | | | Birefringence | 0 |
| | | | | | | | | | Pleochroism | 0 |
| | | | | | | | | | | 0 |
| | | | | | | | | | ⊥ | 0 |
| | | | | | | | | | Fiberglass | 0 |
| | | | | | | | | | Mineral Wool | 0 |
| | | | | | | | | | Cellulose | 0 |
| | | | | | | | | | Hair | 0 |
| | | | | | | | | | Synthetic | 0 |
| | | | | | | | | | Other | 0 |
| | | | | | | | | | Non-Fibrous | 0 |

| Temp in Celsius = 27 | | Stereo Scope | Lab ID# (Lab Use Only) | |
|------------------------------------|---------------------|---------------|---------------------------|-----------------------------|
| Field ID/ (Client Reference) | Material / Location | % of Asbestos | Optical Properties | |
| Material | Location | Color | RI | Non-Asbestos Percentage (%) |
| 23 | 10A | Open grn | Friable | Asbestos % |
| 24 | 10B | Open grn | Minerals | Morphology |
| 25 | 11A | Open grn | Chrysotile | Extinction |
| 26 | 11B | Open grn | Amosite | Sign of Elongation |
| 27 | 12A | Open grn | Crocidolite | Birefringence |
| | | | Tremolite | Pleochroism |
| | | | Anthophyllite | |
| | | | Actinolite | ⊥ |
| | | | Chrysotile | Fiberglass |
| | | | Amosite | Mineral Wool |
| | | | Crocidolite | Cellulose |
| | | | Tremolite | Hair |
| | | | Anthophyllite | Synthetic |
| | | | Actinolite | Other |
| | | | Chrysotile | Non-Fibrous |
| | | | Amosite | |
| | | | Crocidolite | |
| | | | Tremolite | |
| | | | Anthophyllite | |
| | | | Actinolite | |
| | | | Chrysotile | |
| | | | Amosite | |
| | | | Crocidolite | |
| | | | Tremolite | |
| | | | Anthophyllite | |
| | | | Actinolite | |

| | | Lab ID# (Lab Use Only) | | Temp in Celsius = <u>71</u> | | Stereo Scope | | Optical Properties | | RI | Non-Asbestos Percentage (%) |
|------------------------------------|-----|---------------------------|----------|-----------------------------|---|--------------|---|--------------------|---|----|-----------------------------|
| Field ID/ (Client Reference) | | Material / Location | | % of Asbestos | | Asbestos % | | Morphology | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 33 | 15A | Material | Location | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 15B | Material | Location | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 16A | Material | Location | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 16B | Material | Location | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 17A | Material | Location | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Field ID/ (Client Reference) | Material / Location | Temp in Celcius = <u>71</u> | Stereo Scope | Lab ID# (Lab Use Only) | Optical Properties | RI | Non-Asbestos Percentage (%) | | | | | | | | | | | | | |
|------------------------------------|---------------------|-----------------------------|--------------|---------------------------|--------------------|-------------|-----------------------------|---------------------------|------------|------------|------------|--------------------|---------------|-------------|------------|--------------|-----------|------|-----------|-------|
| | | | | % of Asbestos | Color | Homogeneity | Texture | Friable Asbestos Minerals | Asbestos % | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism | Fiberglass | Mineral Wool | Cellulose | Hair | Synthetic | Other |
| 173 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Chrysotile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 173 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Amosite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Crocidolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Tremolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Anthophyllite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Actinolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Chrysotile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Amosite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Crocidolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Tremolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Anthophyllite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Actinolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Chrysotile | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Amosite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Crocidolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Tremolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Material | 0 | 0 | 0 | 0 | 0 | 0 | Anthophyllite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Location | 0 | 0 | 0 | 0 | 0 | 0 | Actinolite | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Lab ID# (Lab Use Only) | Field ID/ (Client Reference) | Material / Location | Temp in Celsius = <u>24</u> | Stereo Scope | Optical Properties | | RI | Non-Asbestos Percentage (%) |
|---------------------------|------------------------------------|----------------------|-----------------------------|--------------|--------------------|--|------------|-----------------------------|
| | | | | | % of Asbestos | Asbestos Minerals | Asbestos % | Morphology |
| 33 | 183 | Material Location | dry | dry | 0 | Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite | 0 | Fiberglass |
| 34 | 186 | Material Location | dry | dry | 0 | Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite | 0 | Mineral Wool |
| 35 | 19A | Material Location | dry | dry | 0 | Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite | 0 | Cellulose |
| 36 | 19B | Material Location | dry | dry | 0 | Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite | 0 | Hair |
| 37 | 19C | Material Location | dry | dry | 0 | Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite | 0 | Synthetic |
| | | | | | | | | Other |
| | | | | | | | | Non-Fibrous |

| | | Temp in Celsius = _____ | | Stereo Scope | | Optical Properties | | RI | Non-Asbestos Percentage (%) |
|---------------------------|--|------------------------------------|--|----------------------|--|-----------------------|-----------------------|----|-----------------------------|
| Lab ID# (Lab Use Only) | | Field ID/ (Client Reference) | | Material / Location | | Asbestos % | | | |
| | | | | | | Morphology | | | |
| | | | | | | Extinction | Sign of Elongation | | |
| | | | | | | Birefringence | Pleochroism | | |
| | | | | | | II | III | | |
| | | | | | | | | | |
| S1 | | 50 21A | | Material | | Asbestos % | | | |
| | | Location | | Color | | Morphology | | | |
| | | | | Homogeneity | | Extinction | | | |
| | | | | Texture | | Sign of Elongation | | | |
| | | | | Friable | | Birefringence | | | |
| | | | | Asbestos Minerals | | Pleochroism | | | |
| | | | | Chrysotile | | II | | | |
| | | | | Amosite | | III | | | |
| | | | | Crocidolite | | R | | | |
| | | | | Tremolite | | R | | | |
| | | | | Anthophyllite | | 100 | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| S2 | | 51 21B | | Material | | | | | |
| | | Location | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | | Temp in Celsius = _____ | | Stereo Scope | | Optical Properties | | RI | Non-Asbestos Percentage (%) |
|--|--|-------------------------|--|-------------------|--|--------------------|--|----|-----------------------------|
| | | Material / Location | | % of Asbestos | | | | | |
| | | | | Color | | Homogeneity | | | |
| | | | | Texture | | | | | |
| | | | | Friable | | Asbestos % | | | |
| | | | | Asbestos Minerals | | Morphology | | | |
| | | | | Chrysotile | | Extinction | | | |
| | | | | Amosite | | Sign of Elongation | | | |
| | | | | Crocidolite | | Birefringence | | | |
| | | | | Tremolite | | Pleochroism | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | R | | | |
| | | | | Chrysotile | | 5 | | | |
| | | | | Amosite | | R | | | |
| | | | | Crocidolite | | Fiberglass | | | |
| | | | | Tremolite | | Mineral Wool | | | |
| | | | | Anthophyllite | | Cellulose | | | |
| | | | | Actinolite | | Hair | | | |
| | | | | Chrysotile | | Synthetic | | | |
| | | | | Amosite | | Other | | | |
| | | | | Crocidolite | | Non-Fibrous | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | Tremolite | | | | | |
| | | | | Anthophyllite | | | | | |
| | | | | Actinolite | | | | | |
| | | | | Chrysotile | | | | | |
| | | | | Amosite | | | | | |
| | | | | Crocidolite | | | | | |
| | | | | | | | | | |

Due Tuesday

**GREEN ▲
ENVIRONMENTAL
Bulk Sampling Chain-of-Custody**

Client: VHB Date: 12/12/2019 Page: 1 of 5

Project Address: 10 South Broadway, Salem, NH Project #: 19039 Inspector: Luke Krzyzewski

Contact: Luke K Analysis: PLM - Positive Stop TAT: 3 days

Email: lkrzyzewski@greenenvironmental.com 58

| Building | Floor | Room | Description | Field # | Comments | Fri / Non-Fri |
|-------------------|-------|---------|-----------------------------|---------|------------------------|---------------|
| 10 South Broadway | 1st | Lobby | Yellow carpet mastic | 1A | | / - |
| | 2nd | Room 14 | ↓ | 1B | | / - |
| | 1st | Lobby | Black Floor paper | 2A | Top | / - |
| | | | ↓ | 2B | ↓ | / - |
| | | | Black floor paper | 3A | middle | / - |
| | | | ↓ | 3B | ↓ | / - |
| | | | Gray floor paper | 4A | Bottom | / - |
| | | | ↓ | 4B | ↓ | / - |
| | 1st | Room 3 | Beige Sheet Floor | 5A | Below wood subfloor | / - |
| | | ↓ | ↓ | 5B | L | / - |
| | | Room 2 | Rock Pattern Sheet floor | 6A | | / - |
| | | ↓ | ↓ | 6B | | / - |

| Relinquish By | Date | #Samples | Received By | Date | Time | # Samples |
|---------------|-----------------|-----------|--------------|-----------------|------|-----------|
| <u>2</u> | <u>12/16/19</u> | <u>58</u> | <u>David</u> | <u>12/23/19</u> | | |
| | | | | | | |

GREEN
ENVIRONMENTAL
Bulk Sampling Chain-of-Custody

Client: VHB Date: 12/12/2019 Page: 2 of 5
 Project Address: 10 South Broadway, Salem, NH Project #: 19039 Inspector: Luke Krzyzewski
 Contact: Luke K Analysis: PLM - Positive Stop TAT: 3 days
 Email: lkrzyzewski@greenenvironmental.com

| Building | Floor | Room | Description | Field # | Comments | Fri / Non-Fri |
|-------------------|-------|--------|--------------------------------------|---------|----------|---------------|
| 10 South Broadway | 1st | Room 2 | Rock pattern Sheet Floor Adhesive | 7A | | / |
| | | ↓ | ↓ | 7B | | / |
| | | Bath 2 | Square pattern Sheet floor | 8A | | / |
| | | | ↓ | 8B | | / |
| | | | Square pattern Sheet floor Adhesive | 9A | | / |
| | | | ↓ | 9B | | / |
| | 2nd | Bath 3 | Diamond pattern Sheet floor | 10A | | / |
| | | Bath 4 | ↓ | 10B | | / |
| | | Bath 3 | Diamond pattern Sheet floor Adhesive | 11A | | / |
| | | Bath 4 | ↓ | 11B | | / |
| | 1st | Lobby | Ceramic floor tile Adhesive | 12A | | / |
| | ↓ | ↓ | ↓ | 12B | | / |

| Relinquish By | Date | #Samples | Received By | Date | Time | # Samples |
|---------------|------|----------|-------------|------|------|-----------|
| | | | | | | |
| | | | | | | |

GREEN 
ENVIRONMENTAL
Bulk Sampling Chain-of-Custody

Client: VHB Date: 12/12/2019 Page: 3 of 5
Project Address: 10 South Broadway, Salem, NH Project #: 19039 Inspector: Luke Krzyzewski
Contact: Luke K Analysis: PLM - Positive Stop TAT: 3 days
Email: lkrzyzewski@greenenvironmental.com

| Building | Floor | Room | Description | Field # | Comments | Fri / Non-Fri |
|-------------------|--------|----------------------------|-----------------------------|---------|----------|---------------|
| 10 South Broadway | 1st | Lobby | Ceramic floor tile grout | 13A | | / |
| | | ↓ | ↓ | 13B | | / |
| | Bath 2 | Gray Cove Base | | 14A | | / |
| | | ↓ | ↓ | 14B | | / |
| | | Gray Cove Base Adhesive | | 15A | | / |
| | | ↓ | ↓ | 15B | | / |
| | Room 4 | Drywall | | 16A | | / |
| | 2nd | Room 9 | ↓ | 16B | | / |
| | 1st | Room 1 | Joint Compound | 17A | | / |
| | | Lobby | ↓ | 17B | | / |
| | | Room 5 | ↓ | 17C | | / |
| | 2nd | Room 8 | ↓ | 17D | | / |

| Relinquish By | Date | #Samples | Received By | Date | Time | # Samples |
|---------------|------|----------|-------------|------|------|-----------|
| | | | | | | |
| | | | | | | |

GREEN
ENVIRONMENTAL
Bulk Sampling Chain-of-Custody

Client: VHB Date: 12/12/2019 Page: 4 of 5
 Project Address: 10 South Broadway, Salem, NH Project #: 19039 Inspector: Luke Krzyzewski
 Contact: Luke K Analysis: PLM - Positive Stop TAT: 3 days
 Email: lkrzyzewski@greenenvironmental.com

| Building | Floor | Room | Description | Field # | Comments | Fri / Non-Fri |
|-------------------|-------|---------|-------------------------|---------|----------|---------------|
| 10 South Broadway | 2nd | Room 11 | Joint Compound | 17E | | / |
| | 2nd | Room 8 | Textured Ceiling | 18A | | / |
| | 1st | Room 11 | | 18B | | / |
| | 1st | Room 15 | | 18C | | / |
| | 1st | Lobby | Plaster Base Coat | 19A | | / |
| | 1st | Room 1 | | 19B | | / |
| | 1st | Room 2 | | 19C | | / |
| | 1st | Room 1 | 1x1 Smooth Ceiling Tile | 20A | | / |
| | 1st | Room 1 | | 20B | | / |
| | 1st | Room 1 | 2x2 Rough Ceiling Tile | 21A | | / |
| | 1st | Room 5 | | 21B | | / |
| | 1st | Room 4 | white Sinu mastic | 22A | | / |

| Relinquish By | Date | #Samples | Received By | Date | Time | # Samples |
|---------------|------|----------|-------------|------|------|-----------|
| | | | | | | |
| | | | | | | |

GREEN
ENVIRONMENTAL
Bulk Sampling Chain-of-Custody

Client:

VHB

Date: 12/12/2019

Page: 5 of 5

Project Address:

10 South Broadway, Salem, NH

Project #: 19039

Inspector: Luke Krzyzewski

Contact:

Luke K

Analysis:

PLM - Positive Stop

TAT: 3 days

Email: lkrzyzewski@greenenvironmental.com

| Building | Floor | Room | Description | Field # | Comments | Fri / Non-Fri |
|-------------------|----------|----------------|--|---------|----------|---------------|
| 10 South Broadway | 1st | Room 4 | white Snn mastic | 22B | | / - |
| | B | Front Basement | Corrugate Cardboard pipe Insulation | 23A | | / - |
| | | | | 23B | | / - |
| | | | | 23C | | / - |
| | Exterior | North side | Siding paper | 24A | | / - |
| | | South side | | 24B | | / - |
| | | Roof | Roof paper | 25A | | / - |
| | | | | 25B | | / - |
| | | | Asphalt Shingle | 26A | | / - |
| | | | | 26B | | / - |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Relinquish By | Date | #Samples | Received By | Date | Time | # Samples |
|---------------|------|----------|-------------|------|------|-----------|
| | | | | | | |
| | | | | | | |



Appendix E



Appendix E
Locations of the Identified Asbestos-Containing Materials
10 South Broadway
Salem, NH

| Location | Material Description | Estimated Quantity |
|------------------------------------|---|---------------------------|
| <i>1st Floor</i> | | |
| Room 3 | Beige Sheet Floor (below wood subfloor) | 228 SF |
| <i>Basement</i> | | |
| Front Basement | Corrugated Cardboard Pipe Insulation (stored on shelf) | 5 LF |
| Notes: | 1. SF = Square Feet 2. LF = Linear Feet | |



Appendix F





Titan Lead Testing, LLC
PO Box 760709
Melrose, MA 02176

Tel: 781-799-8763
Fax: 781-662-3300

December 31, 2019
Luke Krzyzewski
Green Environmental
296 Weymouth St., Unit C
Rockland, MA 02370

RE: Lead Paint Testing Results
10 South Broadway
Salem, New Hampshire

Dear Mr. Krzyzewski:

This report presents the results of testing for the presence of lead paint on interior painted at 10 South Broadway, Salem, New Hampshire. Representative of Titan Lead Testing (Titan), Mr. David Pesce performed the testing on December 12, 2019 and December 13, 2019. Mr. Pesce is manufacturer's-trained in the proper use and interpretation of results of the XRF Spectrum Analyzer. Mr. Pesce is also a New Hampshire Department of Health and Human Services licensed Lead Inspector and Risk Assessor (Lic # RA-00059).

Scope of Work

The purpose of the lead testing was to determine the lead content of various painted building substrates prior to renovation and demolition activities. Selected relevant accessible painted surfaces were tested by Titan. Concentrations of lead in paint were measured on site by portable XRF analysis.

Sampling Protocol

The lead content of painted surfaces was determined using a portable X-ray Fluorescence (XRF) Spectrum Analyzer (HEURESIS Pb200i; Serial # 1645). The XRF Spectrum Analyzer uses a radioactive source to excite the electrons of lead atoms (if present) in paints. As the lead atom electrons return to their normal state, they emit X-rays, which are counted by the XRF Spectrum Analyzer. This data is processed and the results are converted to milligrams of lead per square centimeter (mg/cm^2) of sampled surface area.

Results

The XRF testing results indicate that levels of lead on surfaces tested range from less than $0.1 \text{ mg}/\text{cm}^2$ (lower limit of quantification of the XRF) to $27.6 \text{ mg}/\text{cm}^2$. Renovation and demolition activities that impact surfaces where lead may be present require specific work practices and disposal requirements. A summary of the lead testing results is attached.

Recommendations

The employer of workers who disturb or remove lead paint must comply with OSHA Standard 29 CFR 1926.62 - Lead. This applies to all construction work, alteration, or repair, including painting, where an employee may be occupationally exposed to lead. This standard does not establish a minimum threshold for the lead content, below which an initial exposure assessment is not required. An initial exposure assessment is required for each renovation or demolition activity that will disturb lead. This standard also contains additional requirements concerning the disturbance or removal of lead.

Limitations

Lead paint testing was performed on representative building substrates in selected building areas. Additional lead-containing building substrates and components may be present in other building areas or hidden by floor, wall and ceiling finishes or otherwise may be inaccessible.

Lead paint testing was performed to determine the lead content of painted building components that may be impacted by renovation activities and should not be used to determine compliance with the New Hampshire Lead Paint Poisoning Prevention and Control Act (RSA 130-A)

Please call if you have any questions or require additional information.

Sincerely,



David Pesce

Attachment

ATTACHMENT
LEAD TESTING RESULTS BY XRF

Lead Paint Testing Results by XRF
10 South Broadway
Salem, New Hampshire
December 12-13, 2019

| Room/Area | Location/Component | Color | Substrate | Results (mg/cm ²) |
|--------------------------------|--------------------|-------|-----------|-------------------------------|
| Front Room 1st Floor | Wall | Gray | Wood | 0.4 |
| Front Room 1st Floor | Wall | Beige | Gypsum | 0.4 |
| Front Room 1st Floor | Ceiling Tile | White | Wood | < 0.1 |
| Front Room 1st Floor | Ceiling | White | Plaster | < 0.1 |
| Front Room 1st Floor | Door | White | Wood | < 0.1 |
| Front Room 1st Floor | Door Casing | White | Wood | < 0.1 |
| Front Room 1st Floor | Window Sill | White | Wood | < 0.1 |
| Front Room 1st Floor | Window Sash | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Wall | Beige | Gypsum | < 0.1 |
| Main Lobby 1st Floor | Ceiling | White | Metal | < 0.1 |
| Main Lobby 1st Floor | Door | White | Metal | < 0.1 |
| Main Lobby 1st Floor | Door Casing | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Door | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Door Casing | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Window Sill | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Window Casing | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Window Sash | White | Wood | < 0.1 |
| Main Lobby 1st Floor | Baseboard | Beige | Wood | < 0.1 |
| Rear Room 1st Floor | Wall | White | Gypsum | < 0.1 |
| Rear Room 1st Floor | Ceiling | White | Gypsum | < 0.1 |
| Rear Room 1st Floor | Door | White | Wood | < 0.1 |
| Rear Room 1st Floor | Door Casig | White | Wood | < 0.1 |
| Rear Room 1st Floor | Window Sill | White | Wood | < 0.1 |
| Rear Room 1st Floor | Window Sash | White | Wood | < 0.1 |
| Rear Room 1st Floor | Cabinet | White | Wood | < 0.1 |
| Rear Bathroom 1st Floor | Wall | Beige | Gypsum | < 0.1 |
| Rear Bathroom 1st Floor | Door | White | Wood | < 0.1 |
| Rear Bathroom 1st Floor | Door Jamb | White | Wood | < 0.1 |
| Rear Bathroom 1st Floor | Cabinet | White | Wood | < 0.1 |
| Rear Bathroom 1st Floor | Ceiling | White | Metal | 1.4 |
| Front Bathroom 1st Floor | Wall | Beige | Plaster | 0.2 |
| Front Bathroom 1st Floor | Ceiling | Beige | Plaster | 0.2 |
| Front Bathroom 1st Floor | Door | White | Wood | < 0.1 |
| Front Bathroom 1st Floor | Door Casing | White | Wood | < 0.1 |
| Conference Room II - 1st Floor | Wall | Beige | Plaster | < 0.1 |
| Conference Room II - 1st Floor | Ceiling | Beige | Plaster | 0.2 |

Lead Paint Testing Results by XRF
10 South Broadway
Salem, New Hampshire
December 12-13, 2019

| Room/Area | Location/Component | Color | Substrate | Results (mg/cm ²) |
|--------------------------------|--------------------|-------|-----------|-------------------------------|
| Conference Room II - 1st Floor | Window Sill | White | Wood | < 0.1 |
| Conference Room II - 1st Floor | Window Casing | White | Wood | < 0.1 |
| Conference Room II - 1st Floor | Window Sash | White | Wood | < 0.1 |
| Conference Room II - 1st Floor | Door | White | Wood | < 0.1 |
| Conference Room II - 1st Floor | Door Jamb | White | Wood | < 0.1 |
| Front Stairs | Wall | Beige | Plaster | < 0.1 |
| Front Stairs | Baseboard | White | Plaster | < 0.1 |
| Front Stairs | Ceiling | White | Wood | < 0.1 |
| Front Room 2nd Floor | Wall | Beige | Gypsum | < 0.1 |
| Front Room 2nd Floor | Ceiling | White | Gypsum | < 0.1 |
| Front Room 2nd Floor | Baseboard | White | Wood | < 0.1 |
| Front Room 2nd Floor | Door | White | Wood | 0.2 |
| Front Room 2nd Floor | Door Casing | White | Wood | < 0.1 |
| Front Room 2nd Floor | Window Sill | White | Wood | < 0.1 |
| Front Room 2nd Floor | Window Casing | White | Wood | < 0.1 |
| Front Room 2nd Floor | Wall Top | Brown | Wood | < 0.1 |
| Front Room 2nd Floor | Threshold | Brown | Wood | < 0.1 |
| Front Room 2nd Floor | Floor | Brown | Wood | < 0.1 |
| Central Hall 2nd Floor | Wall | Beige | Gypsum | < 0.1 |
| Central Hall 2nd Floor | Ceiling | White | Gypsum | < 0.1 |
| Central Hall 2nd Floor | Door | White | Wood | < 0.1 |
| Central Hall 2nd Floor | Door Casing | White | Wood | < 0.1 |
| Central Hall 2nd Floor | Baseboard | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Wall | Beige | Gypsum | < 0.1 |
| Small Center Room 2nd Floor | Ceiling | White | Gypsum | < 0.1 |
| Small Center Room 2nd Floor | Door | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Door Casing | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Baseboard | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Window Sill | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Window Sash | White | Wood | < 0.1 |
| Small Center Room 2nd Floor | Floor | Brown | Wood | < 0.1 |
| Rear Stairs | Wall | Beige | Gypsum | < 0.1 |
| Rear Stairs | Ceiling | White | Gypsum | < 0.1 |
| Rear Stairs | Chair Rail | Brown | Wood | < 0.1 |
| Rear Stairs | Baseboard | White | Wood | < 0.1 |

Lead Paint Testing Results by XRF
10 South Broadway
Salem, New Hampshire
December 12-13, 2019

| Room/Area | Location/Component | Color | Substrate | Results (mg/cm ²) |
|----------------------|--------------------|-------|-----------|-------------------------------|
| Rear Stairs | Door | White | Wood | < 0.1 |
| Rear Stairs | Door Jamb | White | Wood | < 0.1 |
| Rear Stairs | Railing | Brown | Wood | < 0.1 |
| Rear Stairs | Floor | Brown | Wood | 0.2 |
| Bathroom 2nd Floor | Wall | Beige | Gypsum | < 0.1 |
| Bathroom 2nd Floor | Ceiling | White | Gypsum | < 0.1 |
| Bathroom 2nd Floor | Door | White | Wood | < 0.1 |
| Bathroom 2nd Floor | Door Casing | White | Wood | < 0.1 |
| Bathroom 2nd Floor | Cabinet | Brown | Wood | 0.2 |
| Rear Room 2nd Floor | Wall | Beige | Gypsum | < 0.1 |
| Rear Room 2nd Floor | Ceiling | White | Gypsum | < 0.1 |
| Rear Room 2nd Floor | Floor | Brown | Wood | < 0.1 |
| Rear Room 2nd Floor | Window Sill | White | Wood | < 0.1 |
| Rear Room 2nd Floor | Window Sash | White | Wood | < 0.1 |
| Rear Room 2nd Floor | Door | White | Wood | < 0.1 |
| Rear Room 2nd Floor | Door Casing | White | Wood | < 0.1 |
| Rear Room 2nd Floor | Cabinet | White | Wood | < 0.1 |
| Rear Room 2nd Floor | Closet Shelf | Brown | Wood | < 0.1 |
| Rear Room 2nd Floor | Closet Floor | White | Wood | < 0.1 |
| Basement | Column | Brown | Metal | 0.4 |
| Basement | Cel Win Sash | Gray | Metal | 0.3 |
| Basement | Oil Tank | Black | Metal | < 0.1 |
| Exterior Front Porch | Siding | Gray | Wood | < 0.1 |
| Exterior Front Porch | Window Sill | White | Wood | < 0.1 |
| Exterior Front Porch | Window Casing | White | Wood | < 0.1 |
| Exterior Front Porch | Window Sash | White | Wood | < 0.1 |
| Exterior Front Porch | Shutter | Green | Vinyl | < 0.1 |
| Exterior Front Porch | Column | White | Wood | 0.2 |
| Exterior Front Porch | Railing | White | Wood | < 0.1 |
| Exterior Front Porch | Baluster | White | Wood | < 0.1 |
| Exterior Front Porch | Floor | Gray | Wood | < 0.1 |
| Exterior Front Porch | Ceiling | Gray | Wood | 1.8 |
| Exterior Front Porch | Door | Brown | Wood | < 0.1 |
| Exterior Front Porch | Door Casing | White | Wood | < 0.1 |
| Exterior Front Porch | Corner Board | White | Wood | 27.6 |
| Exterior Front Porch | Joist | White | Wood | 15.0 |
| Exterior Front Porch | Upper Trim | White | Wood | 5.9 |

Lead Paint Testing Results by XRF
10 South Broadway
Salem, New Hampshire
December 12-13, 2019

| Room/Area | Location/Component | Color | Substrate | Results (mg/cm ²) |
|-----------|------------------------|-------|-----------|-------------------------------|
| Exterior | Siding | Gray | Wood | < 0.1 |
| Exterior | Corner Board | White | Wood | 20.6 |
| Exterior | Upper Trim | White | Wood | 6.3 |
| Exterior | Lattice | Gray | Wood | < 0.1 |
| Exterior | Window Sill | White | Wood | < 0.1 |
| Exterior | Window Casing | White | Wood | < 0.1 |
| Exterior | Window Sash | White | Wood | < 0.1 |
| Exterior | Shutters | Blue | Vinyl | < 0.1 |
| Exterior | Foundation | Gray | Brick | < 0.1 |
| Exterior | Cel Win Sash | Gray | Metal | 0.3 |
| Exterior | Metal Bars | Brown | Metal | < 0.1 |
| Exterior | T-111 Paneling | Gray | Wood | < 0.1 |
| Exterior | Rear Entry Door | Gray | Wood | < 0.1 |
| Exterior | Rear Entry Door Casing | White | Wood | < 0.1 |
| Exterior | Oil Pipe | Gray | Metal | < 0.1 |
| Exterior | Steps | Gray | Wood | < 0.1 |
| Exterior | Side Door | Gray | Metal | < 0.1 |
| Exterior | Side Door Jamb | White | Wood | < 0.1 |
| Exterior | Railing Cap | White | Wood | < 0.1 |
| Exterior | Newel Post | White | Wood | < 0.1 |
| Exterior | Railing Cap | Black | Metal | < 0.1 |
| Exterior | Baluster | Black | Metal | < 0.1 |

- <0.1 = less than the limit of quantification of the XRF.
- mg/cm² = milligrams of lead per square centimeter of sampled surface area.



Appendix G



Appendix G
Locations of the Regulated Materials
10 South Broadway
Salem, NH

| Location | Material Description | Quantity |
|------------------------------------|-----------------------------------|-----------------|
| <i>1st Floor</i> | | |
| Room 1 | 4' Fluorescent Tubes | 8 |
| | PCB/Non-PCB Containing Ballasts | 2 |
| Room 2 | 4' Fluorescent Tubes | 4 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 3 | 4' Fluorescent Tubes | 8 |
| | PCB/Non-PCB Containing Ballasts | 2 |
| Lobby | 4' Fluorescent Tubes | 12 |
| | PCB/Non-PCB Containing Ballasts | 3 |
| | Exit Sign/Emergency Light Battery | 1 |
| | Mercury Thermostat | 1 |
| Room 4 | 4' Fluorescent Tubes | 12 |
| | PCB/Non-PCB Containing Ballasts | 6 |
| | Exit Sign/Emergency Light Battery | 1 |
| Room 5 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 6 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 7 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| <i>2nd Floor</i> | | |
| Room 8 | 4' Fluorescent Tubes | 8 |
| | PCB/Non-PCB Containing Ballasts | 4 |
| | Exit Sign/Emergency Light Battery | 1 |
| Room 9 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 10 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 11 | 4' Fluorescent Tubes | 2 |
| | PCB/Non-PCB Containing Ballasts | 1 |
| Room 12 | 4' Fluorescent Tubes | 4 |
| | PCB/Non-PCB Containing Ballasts | 2 |
| Stair Lobby | Exit Sign/Emergency Light Battery | 1 |
| Room 13 | 4' Fluorescent Tubes | 4 |
| | PCB/Non-PCB Containing Ballasts | 2 |
| Room 14 | 4' Fluorescent Tubes | 8 |
| | PCB/Non-PCB Containing Ballasts | 4 |
| | Exit Sign/Emergency Light Battery | 1 |