

# Limited Hazardous Building Materials Inspection Report

20 Privilege Street  
Woonsocket, Rhode Island

**City of Woonsocket**  
Woonsocket, Rhode Island

December 2020



**FUSS & O'NEILL**

Fuss & O'Neill, Inc.  
317 Iron Horse Way, Suite 204  
Providence, RI 02908



FUSS & O'NEILL

December 22, 2020

Scott A. Gibbs  
City of Woonsocket  
169 Main Street  
Woonsocket, RI 02895

**RE: Limited Hazardous Building Materials Inspection  
20 Privilege Street, Woonsocket, RI**

Dear Mr. Gibbs:

Enclosed is the limited hazardous building materials inspection summary report for the inspection conducted at 20 Privilege Street in Woonsocket, Rhode Island.

On October 16 and 17, 2020, a Fuss & O'Neill, Inc. state-certified Asbestos Inspector performed a limited asbestos inspection, a lead-based paint screening, and a fluorescent light ballast and mercury-containing equipment inventory as part of a feasibility study.

The information summarized in this report is solely for the abovementioned materials only. The work was performed in accordance with our written scope of services dated June 3, 2020.

If you should have any questions regarding the contents of the enclosed report, please do not hesitate to contact me at 401-861-3070, extension 4703. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Dustin A. Diedricksen  
Associate/Department Manager

DD/rs

Enclosure

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# Table of Contents

## Limited Hazardous Building Materials Inspection Report 20 Privilege Street City of Woonsocket

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<b>1</b>	<b>Introduction .....</b>	<b>1</b>
	1.1 Scope of Work.....	1
<b>2</b>	<b>Limited Asbestos Inspection .....</b>	<b>1</b>
	2.1 Methodology .....	1
	2.2 Results .....	3
	2.3 Conclusions & Recommendations.....	3
<b>3</b>	<b>Lead-Based Paint Screening.....</b>	<b>4</b>
	3.1 Methodology .....	4
	3.2 XRF Screening Results.....	4
	3.3 Discussion .....	5
	3.4 Conclusions & Recommendations.....	5
<b>4</b>	<b>Fluorescent Light Ballasts &amp; Mercury-Containing Equipment .....</b>	<b>5</b>
	4.1 Fluorescent Light Ballasts.....	5
	4.2 Mercury-Containing Equipment.....	6
	4.3 Results .....	6
	4.4 Conclusions & Recommendations.....	6

### Tables

**End of Report**

1. Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary
2. Asbestos-Containing Materials Inventory Summary

### Appendices

**End of Report**

APPENDIX A	LIMITATIONS
APPENDIX B	FUSS & O'NEILL ASBESTOS INSPECTOR STATE CERTIFICATION & EPA ACCREDITATION
APPENDIX C	ASBESTOS LABORATORY ANALYTICAL REPORT & CHAIN-OF- CUSTODY FORM
APPENDIX D	XRF LEAD-BASED PAINT SCREENING FIELD DATA SHEETS

# 1 Introduction

On October 16 and 17, 2020, Fuss & O'Neill, Inc. (Fuss & O'Neill) representative, Mr. Robert Mallett, performed a limited hazardous building materials inspection prior to proposed renovation activities to occur at 20 Privilege Street in Woonsocket, Rhode Island (the "Site"). Sampling and laboratory analyses were conducted in accordance with the Standard Operating Procedures for field and laboratory activities as detailed in the United States Environmental Protection Agency and Rhode Island Department of Environmental Management approved Site Specific Quality Assurance Project Revision 0.0 for the project, dated August, 2020.

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## 1.1 Scope of Work

The work was performed for City of Woonsocket (the "Client") in accordance with our written scope of services dated June 3, 2020. This report is subject to the limitations presented in *Appendix A*. The scope of work included the following:

- Limited Asbestos-Containing Materials (ACM) Inspection;
- Lead-Based Paint (LBP) Screening; and
- Fluorescent Light Ballast and Mercury-Containing Equipment Inventory.

Fuss & O'Neill did not conduct subsurface investigations to identify concealed suspect materials throughout the subject property.

We did not conduct collection and analysis of suspect building materials for polychlorinated biphenyls (PCBs) during this inspection. Sampling for PCBs is presently not mandated by the United States Environmental Protection Agency (EPA); however, liability risk for disposing of PCB-containing wastes exists. Recent knowledge of PCBs within these matrices has become more prevalent, especially with remediation contractors, waste haulers, and disposal facilities. Some property owners have become subject to changes in schedule, scope, and costs as a result of failure to identify PCBs prior to renovation or demolition activities.

## 2 Limited Asbestos Inspection

A property owner or operator must ensure that a thorough asbestos inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the United States Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On October 16 and 17, 2020, Mr. Mallett of Fuss & O'Neill conducted the limited inspection of visible and accessible areas. Mr. Mallett is a Rhode Island Department of Health (RIDOH)-licensed Asbestos Inspector. Refer to *Appendix B* for copies of the Asbestos Inspector's state license and EPA accreditation.

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## 2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect ACM. The suspect ACM were grouped into three EPA NESHAP categories: Friable; Category I Non-Friable, and Category II Non-Friable.

- Friable is defined as material that contains greater than one percent (> 1%) asbestos that, when dry, **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I Non-Friable refers to material that contains > 1% asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- Category II Non-Friable refers to any non-friable material excluding Category I materials that contain > 1% asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including: Thermal System Insulation (TSI), Surfacing ACM, and Miscellaneous ACM. TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI include, but are not limited to, pipe insulation, boiler insulation, duct insulation, mudded pipe fitting insulation, etc. Surfacing ACM includes those ACM that are sprayed-on, troweled-on, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous ACM include those not listed as TSI or Surfacing ACM, such as sheet flooring, floor tiles, ceiling tiles, caulking, mastics, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content, and separating suspect ACM into homogenous material types (similar in color, texture, and date of application). The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols included in EPA Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the material type and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (e.g., plaster, spray-applied fireproofing, etc.) shall be collected in a randomly-distributed manner representing each homogenous area based on the overall quantity as follows:
  - a. At least three (3) bulk samples collected from each homogenous area that is less than or equal to 1,000 square feet.
  - b. At least five (5) bulk samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
  - c. At least seven (7) bulk samples collected from each homogenous area that is greater than 5,000 square feet.
2. Thermal System Insulation (e.g., pipe insulation, tank insulation, etc.) shall be collected in a randomly-distributed manner representing each homogenous area. At least three (3) bulk samples shall be collected of each homogenous material type. Also, at least one (1) bulk sample of any patching material applied to TSI, presuming the patched area is less than six linear or square feet, shall be collected.
3. Miscellaneous Materials (e.g., floor tile, mastic, cement board, caulking, glazing, etc.) should have at least two (2) bulk samples collected of each homogenous material type. Sample collection shall be conducted in a manner sufficient to determine the asbestos content of the homogenous material type as determined by the inspector.

Suspect ACM samples were collected, and proper chain-of-custody forms were prepared for transmission of collected samples to EMSL Analytical, Inc. (EMSL), for analysis. EMSL is a Rhode Island-licensed and American Industrial Hygiene Association (AIHA)-accredited Asbestos Analytical Laboratory. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

The EPA recommends that non-friable, organically-bound (NOB) materials (e.g., asphaltic-based materials, adhesives, caulking, etc.) undergo further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). None of the collected NOB samples were analyzed for TEM.

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## 2.2 Results

The EPA, the Occupational Safety and Health Administration (OSHA), and RIDOH define a material that contains > 1% asbestos (by PLM/DS analysis) as an ACM.

Refer to **Table 1**, attached, for the complete list of ACM and non-ACM identified by sample identification, material type, sample location, and asbestos content as part of this inspection. Refer to **Table 2**, attached, for the identified ACM inventory.

Refer to *Appendix C* for the asbestos laboratory analytical report and chain-of-custody form.

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## 2.3 Conclusions & Recommendations

Based on visual observations, sample collection, and laboratory analysis, ACM were identified at the Site.

Prior to disturbance, ACM that would likely be impacted by the proposed renovation activities must first be abated by a RIDOH-licensed Asbestos Contractor. This is a requirement of RIDOH and EPA NESHAP regulations governing asbestos abatement.

Due to the inability to effectively separate some types of multi-layered ACM from non-ACM, these materials are considered asbestos-contaminated and must be managed as ACM for removal and disposal purposes.

If suspect materials are encountered during renovation activities that are not identified in this report as being non-ACM, they shall be assumed to be ACM until laboratory analysis indicates otherwise.

If ACM are to remain at the Site following renovation/demolition activities, Fuss & O'Neill recommends the development of a written Operations and Maintenance Program (to manage ACM in place) in accordance with OSHA regulations.

This report is not intended to be utilized as a bidding or a project specification document. This report is designed to aid the building owner, architect, construction manager, general contractor(s), and asbestos abatement contractor(s) in locating ACM.

## 3 Lead-Based Paint Screening

On October 16 and 17, 2020, Mr. Mallett of Fuss & O'Neill performed a LBP screening associated with painted building components at the Site that may be disturbed during renovation activities. Fuss & O'Neill used an X-ray fluorescence (XRF) spectrum analyzer to perform the LBP screening. The screening was conducted in accordance with generally-accepted industry standards for non-residential (i.e., not child-occupied) buildings.

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### 3.1 Methodology

A Radiation Monitoring Device Model LPA-1 (Serial Number 1395) was utilized for the LBP screening. The instrument was calibrated according to the manufacturer's Performance Characteristic Sheet (PCS) prior to each use.

For the purpose of this LBP screening, representative, coated building components were tested for LBP. Individual repainting efforts are not always discernable in such a limited program. LBP issues involving properties that are not residential are only regulated to a limited degree for worker protection relating to LBP-disturbing work activities and waste disposal.

Worker protection is regulated by OSHA regulations, as well as RIDOH regulations. These regulations include air monitoring of workers to determine exposure levels when disturbing lead-containing paint. A LBP screening cannot determine a safe level of lead, but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may better determine worker exposure to airborne lead by understanding the different concentrations of LBP on representative components and surfaces. Air monitoring can then be performed during activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA) and RIDOH regulate lead-containing waste disposal. If lead is determined to be present, representative composite samples of the anticipated waste stream must be collected and analyzed using the Toxicity Characteristic Leaching Procedure (TCLP). The results are compared to a threshold value of 5.0 milligrams per liter (mg/L). If TCLP sample analytical results exceed this value, the waste is characterized as hazardous lead waste. If the result is below the threshold value, the waste material is not considered hazardous and may be disposed as construction and demolition debris.

A level of paint exceeding 1.0 milligram of lead per square centimeter ( $\text{mg}/\text{cm}^2$ ) of surface area is considered toxic or dangerous by EPA and RIDOH. For the purpose of this screening, the level of  $1.0 \text{ mg}/\text{cm}^2$  has been utilized as a guide to segregate coated building materials from general demolition debris for disposal purposes.

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### 3.2 XRF Screening Results

The LBP screening indicated consistent painting trends associated with representative building components that may be impacted by potential renovation activities. Refer to *Appendix D* for the complete list of building components determined to contain levels of lead  $\geq 1.0 \text{ mg}/\text{cm}^2$ .

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### 3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May of 1993. This Standard sets no limit for the content of lead in paint below which the OSHA standards do not apply. The OSHA Lead Standards are task-based and are also based on airborne exposures and blood lead levels.

The results of this LBP screening are intended to provide guidance to contractors for occupational lead exposure controls. Building components coated with lead levels above industry standards may cause exposures to lead above OSHA standards during proposed demolition/renovation activities. The results of this screening are also intended to provide insight into waste disposal requirements, in accordance with EPA RCRA regulations. Anticipated waste streams to be generated from any proposed specific building renovation or demolition projects should undergo further sampling and analysis for lead using the Toxicity Characterization Leaching Procedure (TCLP) to adequately characterize the waste stream for disposal planning purposes.

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### 3.4 Conclusions & Recommendations

Based on our LBP screening results, LBP was identified on coated building components located at the Site.

Contractors must be made aware that OSHA has not established a level of lead in a material below which OSHA Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any renovation and/or demolition activities that will impact LBP.

If disturbed by renovation activities, LBP-coated building components should be segregated from the general demolition waste stream for sample collection and analysis by TCLP to determine proper off-site waste disposal. If disturbed and managed off-site, non-porous LBP-coated building materials (i.e., metals) may be segregated and recycled as scrap metal. Metal LBP-coated building components cannot be subject to grinding, sawing, drilling, sanding, or torch cutting.

## 4 Fluorescent Light Ballasts & Mercury-Containing Equipment

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### 4.1 Fluorescent Light Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as “No PCBs” must be assumed to contain PCBs unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under RCRA and the Superfund Law as a hazardous waste. Therefore, Superfund liability exists for landfilling both PCB- and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA and require special handling and disposal considerations.



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## 4.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of liquid mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by EPA RCRA regulations.

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## 4.3 Results

On October 16 and 17, 2020, Mr. Mallett of Fuss & O'Neill performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts at the Site. The inspection involved visually inspecting labels on representative light ballasts to identify manufacture dates and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB- or DEHP-containing ballasts and were not quantified for disposal. An in-place inventory of the fluorescent lamps/tubes and other mercury-containing equipment was completed concurrently.

During this inspection, 1,234 DEHP-containing fluorescent light ballasts, 138 four-foot and 548 eight-foot mercury-containing light tubes were identified at the Site.

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## 4.4 Conclusions & Recommendations

DEHP-containing fluorescent light ballasts and mercury-containing equipment were identified at the Site during this inspection.

Fluorescent light ballasts marked as "No PCBs" with date labels indicating manufacture prior to 1991 are presumed to contain DEHP. DEHP-containing ballasts must be segregated for proper packaging, transporting, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less, when compared to PCB-containing light ballasts.

According to the EPA, mercury-containing equipment is characterized as a hazardous waste and mercury lamps/tubes are characterized as a Universal Waste. The mercury-containing equipment and fluorescent lamps/tubes identified in the proposed renovation areas must be recycled, reclaimed, or disposed as hazardous waste or Universal Waste prior to disturbance.

Report prepared by Environmental Analyst, Madelyn Sampson.

Reviewed by:



Dustin A. Diedricksen  
Associate/Department Manager

## Tables

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**Table 1**  
**Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary**

**20 Privilege Street**  
**Woonsocket, Rhode Island**

City of Woonsocket  
December 2020  
Fuss & O'Neill Reference No. 20181545.B10

Sample Number	Material Type	NESHAP Category	Sample Location	Result
01A-RCM-1016	12" x 12" Tan/Brown Mottled Floor Tile	Non-ACM	Main Lobby	ND
01B-RCM-1016	12" x 12" Tan/Brown Mottled Floor Tile	Non-ACM	Lobby Corridor	ND
<b>02A-RCM-1016</b>	<b>Black Mastic Associated with 12" x 12" Tan/Brown Mottled Floor Tile</b>	<b>Cat 1 NF</b>	<b>Main Lobby</b>	<b>5% Chrysotile</b>
<b>02B-RCM-1016</b>	<b>Black Mastic Associated with 12" x 12" Tan/Brown Mottled Floor Tile</b>	<b>Cat 1 NF</b>	<b>Lobby Corridor</b>	<b>Pos Stop</b>
<b>03A-RCM-1016</b>	<b>12" x 12" Gray Floor Tile</b>	<b>Cat 1 NF</b>	<b>Beneath Carpet in Conference Room</b>	<b>5% Chrysotile</b>
<b>03B-RCM-1016</b>	<b>12" x 12" Gray Floor Tile</b>	<b>Cat 1 NF</b>	<b>Beneath Carpet in Conference Room</b>	<b>Pos Stop</b>
04A-RCM-1016	Yellow Mastic Associated with 12" x 12" Gray Floor Tile	Non-ACM	Beneath Carpet in Conference Room	ND
04B-RCM-1016	Yellow Mastic Associated with 12" x 12" Gray Floor Tile	Non-ACM	Beneath Carpet in Conference Room	ND
05A-RCM-1016	Dark Yellow Carpet Adhesive	Non-ACM	Conference Room	ND
05B-RCM-1016	Dark Yellow Carpet Adhesive	Non-ACM	Room Across From Conference Room	ND
<b>06A-RCM-1016</b>	<b>12" x 12" Tan with Multi-Color Splotch Floor Tile</b>	<b>Cat 1 NF</b>	<b>Break Room</b>	<b>5% Chrysotile</b>
<b>06B-RCM-1016</b>	<b>12" x 12" Tan with Multi-Color Splotch Floor Tile</b>	<b>Cat 1 NF</b>	<b>Break Room Storage</b>	<b>Pos Stop</b>
07A-RCM-1016	Brown Mastic Associated with 12" x 12" Tan with Multi-Color Splotch Floor Tile	Non-ACM	Break Room	ND
07B-RCM-1016	Brown Mastic Associated with 12" x 12" Tan with Multi-Color Splotch Floor Tile	Non-ACM	Break Room Storage	ND
08A-RCM-1016	2' x 4' White Fissure & Dot Suspended Ceiling Tile	Non-ACM	Kitchen	ND
08B-RCM-1016	2' x 4' White Fissure & Dot Suspended Ceiling Tile	Non-ACM	Break Room Storage	ND
09A-RCM-1016	White Joint Compound	Non-ACM	Rooms Across from Conference Room	ND
09B-RCM-1016	White Joint Compound	Non-ACM	Rooms Across from Conference Room	ND
10A-RCM-1016	Gray Gypsum Wallboard	Non-ACM	Rooms Across from Conference Room	ND
10B-RCM-1016	Gray Gypsum Wallboard	Non-ACM	Rooms Across from Conference Room	ND
11A-RCM-1016	12" x 12" Gray Mottled Floor Tile	Non-ACM	Lab Space	ND
11B-RCM-1016	12" x 12" Gray Mottled Floor Tile	Non-ACM	Lab Space	ND
12A-RCM-1016	Black Mastic Associated with 12" x 12" Gray Mottled Floor Tile	Non-ACM	Lab Space	ND
12B-RCM-1016	Black Mastic Associated with 12" x 12" Gray Mottled Floor Tile	Non-ACM	Lab Space	ND
13A-RCM-1016	Brown Lab Countertop Laminate Adhesive	Non-ACM	Lab Space	ND

**Table 1**  
**Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary**

Sample Number	Material Type	NESHAP Category	Sample Location	Result
13B-RCM-1016	Brown Lab Countertop Laminate Adhesive	Non-ACM	Lab Space	ND
14A-RCM-1016	4" Black Vinyl Baseboard	Non-ACM	Lab Space	ND
14B-RCM-1016	4" Black Vinyl Baseboard	Non-ACM	Lab Space	ND
15A-RCM-1016	Yellow Adhesive Associated with 4" Black Vinyl Baseboard	Non-ACM	Lab Space	ND
15B-RCM-1016	Yellow Adhesive Associated with 4" Black Vinyl Baseboard	Non-ACM	Lab Space	ND
16A-RCM-1016	White Joint Compound	Non-ACM	Lab Space	ND
16B-RCM-1016	White Joint Compound	Non-ACM	Lab Space	ND
<b>17-RCM-1016</b>	<b>Black Composite Lab Countertop</b>	<b>Cat 2 NF</b>	<b>Rear Lab Space</b>	<b>18% Chrysotile</b>
<b>18-RCM-1016</b>	<b>Black Fume Hood Countertop</b>	<b>Cat 2 NF</b>	<b>Rear Lab Space</b>	<b>10% Chrysotile</b>
<b>19-RCM-1016</b>	<b>White Fume Hood Panel</b>	<b>Cat 2 NF</b>	<b>Rear Lab Space</b>	<b>15% Chrysotile</b>
<b>20A-RCM-1016</b>	<b>12" x 12" Tan with Splotch Floor Tile</b>	<b>Cat 1 NF</b>	<b>Lab Sales Office</b>	<b>3% Chrysotile</b>
<b>20B-RCM-1016</b>	<b>12" x 12" Tan with Splotch Floor Tile</b>	<b>Cat 1 NF</b>	<b>Lab Sales Office</b>	<b>Pos Stop</b>
21A-RCM-1016	Brown Mastic Associated with 12" x 12" Tan with Splotch Floor Tile	Non-ACM	Lab Sales Office	ND
21B-RCM-1016	Brown Mastic Associated with 12" x 12" Tan with Splotch Floor Tile	Non-ACM	Lab Sales Office	ND
22A-RCM-1016	12" x 12" Tan Mottled Floor Tile	Non-ACM	Left Lab Sales Office	ND
22B-RCM-1016	12" x 12" Tan Mottled Floor Tile	Non-ACM	Left Lab Sales Office	ND
23A-RCM-1016	Brown Adhesive Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	Left Lab Sales Office	ND
23B-RCM-1016	Brown Adhesive Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	Left Lab Sales Office	ND
24A-RCM-1016	Yellow Carpet Adhesive	Non-ACM	Executive Offices	ND
24B-RCM-1016	Yellow Carpet Adhesive	Non-ACM	Executive Offices	ND
25A-RCM-1016	Brown Flooring Beneath Carpet	Non-ACM	Executive Offices (Far Back Office)	ND
25B-RCM-1016	Brown Flooring Beneath Carpet	Non-ACM	Executive Offices (Far Back Office)	ND
26A-RCM-1016	Black Mastic Associated with Brown Flooring Beneath Carpet	Non-ACM	Executive Offices (Far Back Office)	ND
26B-RCM-1016	Black Mastic Associated with Brown Flooring Beneath Carpet	Non-ACM	Executive Offices (Far Back Office)	ND
27A-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
27B-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
27C-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
27D-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
27E-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND

**Table 1**  
**Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary**

Sample Number	Material Type	NESHAP Category	Sample Location	Result
27F-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
27G-RCM-1016	White Skim Coat Plaster	Non-ACM	Executive Offices	ND
28A-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28B-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28C-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28D-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28E-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28F-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
28G-RCM-1016	Gray Rough Coat Plaster	Non-ACM	Executive Offices	ND
<b>29A-RCM-1016</b>	<b>Brown Boiler Gasket</b>	<b>Cat 1 NF</b>	<b>Warehouse Boiler Room</b>	<b>10% Chrysotile</b>
<b>29B-RCM-1016</b>	<b>Brown Boiler Gasket</b>	<b>Cat 1 NF</b>	<b>Warehouse Boiler Room</b>	<b>Pos Stop</b>
<b>30A-RCM-1016</b>	<b>12" x 12" Tan Mottled Floor Tile</b>	<b>Cat 1 NF</b>	<b>Warehouse Office</b>	<b>5% Chrysotile</b>
<b>30B-RCM-1016</b>	<b>12" x 12" Tan Mottled Floor Tile</b>	<b>Cat 1 NF</b>	<b>Warehouse Office</b>	<b>Pos Stop</b>
31A-RCM-1016	Brown Mastic Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	Warehouse Office	ND
31B-RCM-1016	Brown Mastic Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	Warehouse Office	ND
32A-RCM-1016	2' x 4' White Suspended Ceiling Tile	Non-ACM	Warehouse Office	ND
32B-RCM-1016	2' x 4' White Suspended Ceiling Tile	Non-ACM	Warehouse Office	ND
<b>33A-RCM-1016</b>	<b>12" x 12" Tan Floor Tile</b>	<b>Cat 1 NF</b>	<b>Warehouse Chemical Storage Shelf Area</b>	<b>5% Chrysotile</b>
<b>33B-RCM-1016</b>	<b>12" x 12" Tan Floor Tile</b>	<b>Cat 1 NF</b>	<b>Machinist Room</b>	<b>Pos Stop</b>
34A-RCM-1016	Black Mastic Associated with 12" x 12" Tan Floor Tile	Non-ACM	Warehouse Chemical Storage Shelf Area	ND
34B-RCM-1016	Black Mastic Associated with 12" x 12" Tan Floor Tile	Non-ACM	Machinist Room	ND
35A-RCM-1016	Brown Floor Paper	Non-ACM	2nd Floor	ND
35B-RCM-1016	Brown Floor Paper	Non-ACM	3rd Floor	ND
36A-RCM-1016	Gray Floor Paper	Non-ACM	2nd Floor	ND
36B-RCM-1016	Gray Floor Paper	Non-ACM	3rd Floor	ND
37A-RCM-1016	Gray Stair Tread & Landing Adhesive	Non-ACM	Front Stairs	ND
37A1-RCM-1016	Gray Stair Tread & Landing Adhesive	Non-ACM	Rear Stairs	ND
37B1-RCM-1016	Stair Tread & Landing Flooring	Non-ACM	Front Stairs	ND
37B-RCM-1016	Stair Tread & Landing Flooring	Not Analyzed	Rear Stairs	Not Analyzed

**Table 1**  
**Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary**

Sample Number	Material Type	NESHAP Category	Sample Location	Result
38A-RCM-1016	12" x 12" Tan Floor Tile	Cat 1 NF	2nd Floor Bathroom	5% Chrysotile
38B-RCM-1016	12" x 12" Tan Floor Tile	Cat 1 NF	2nd Floor Bathroom	Pos Stop
39A-RCM-1016	Black Mastic Associated with 12" x 12" Tan Floor Tile	Cat 1 NF	2nd Floor Bathroom	3% Chrysotile
39B-RCM-1016	Black Mastic Associated with 12" x 12" Tan Floor Tile	Cat 1 NF	2nd Floor Bathroom	Pos Stop
40A-RCM-1016	4" Black Vinyl Baseboard	Non-ACM	2nd Floor Bathroom	ND
40B-RCM-1016	4" Black Vinyl Baseboard	Non-ACM	2nd Floor Bathroom	ND
41A-RCM-1016	Brown Adhesive Associated with 4" Black Vinyl Baseboard	Non-ACM	2nd Floor Bathroom	ND
41B-RCM-1016	Brown Adhesive Associated with 4" Black Vinyl Baseboard	Non-ACM	2nd Floor Bathroom	ND
42A-RCM-1016	Yellow Adhesive Associated with Masonite	Non-ACM	2nd Floor Bathroom	ND
42B-RCM-1016	Yellow Adhesive Associated with Masonite	Non-ACM	2nd Floor Bathroom	ND
43A-RCM-1016	12" x 12" Light Brown Floor Tile	Cat 1 NF	3rd Floor Bathroom	5% Chrysotile
43B-RCM-1016	12" x 12" Light Brown Floor Tile	Cat 1 NF	3rd Floor Bathroom	Pos Stop
44A-RCM-1016	Black Mastic Associated with 12" x 12" Light Brown Floor Tile	Not Analyzed	3rd Floor Bathroom	Not Analyzed
44B-RCM-1016	Black Mastic Associated with 12" x 12" Light Brown Floor Tile	Not Analyzed	3rd Floor Bathroom	Not Analyzed
45A-RCM-1016	White Glazing Compound	Non-ACM	Exterior Windows	ND
45B-RCM-1016	White Glazing Compound	Non-ACM	Exterior Windows	ND
46A-RCM-1016	White Door Lite Glazing Compound	Cat 2 NF	Women's Bathroom Doors	3% Chrysotile
46B-RCM-1016	White Door Lite Glazing Compound	Cat 2 NF	Women's Bathroom Doors	Pos Stop
47A-RCM-1016	Black Glue on Masonite	Cat 2 NF	3rd Floor Bathrooms	3% Chrysotile
47B-RCM-1016	Black Glue on Masonite	Cat 2 NF	3rd Floor Bathrooms	Pos Stop
48A-RCM-1016	Brown Adhesive Associated with 4" Baseboard	Non-ACM	3rd Floor Bathrooms	ND
48B-RCM-1016	Brown Adhesive Associated with 4" Baseboard	Non-ACM	3rd Floor Bathrooms	ND
49A-RCM-1016	12" x 12" Brown with Streak Floor Tile	Cat 1 NF	4th Floor Flammable Room	2% Chrysotile
49B-RCM-1016	12" x 12" Brown with Streak Floor Tile	Cat 1 NF	4th Floor Flammable Room	Pos Stop
50A-RCM-1016	Tan Adhesive Associated with 12" x 12" Brown with Streak Floor Tile	Non-ACM	4th Floor Flammable Room	ND
50B-RCM-1016	Tan Adhesive Associated with 12" x 12" Brown with Streak Floor Tile	Non-ACM	4th Floor Flammable Room	ND
51A-RCM-1016	Tan/Gray Glue on Masonite	Cat 2 NF	4th Floor Women's Room	3% Chrysotile
51B-RCM-1016	Tan/Gray Glue on Masonite	Cat 2 NF	4th Floor Men's Room	Pos Stop
52A-RCM-1016	Gray Exterior Window Caulking	Cat 2 NF	Exterior Windows	5% Chrysotile

**Table 1**  
**Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary**

Sample Number	Material Type	NESHAP Category	Sample Location	Result
52B-RCM-1016	Gray Exterior Window Caulking	Cat 2 NF	Exterior Windows	Pos Stop
53A-RCM-1016	Black Built-Up Roofing - Felt	Non-ACM	Main Roof	ND
53B-RCM-1016	Black Built-Up Roofing - Felt	Non-ACM	Lower Roof	ND
54A-RCM-1016	Black Built-Up Roofing - Tar	Non-ACM	Main Roof	ND
54B-RCM-1016	Black Built-Up Roofing - Tar	Non-ACM	Lower Roof	ND
55A-RCM-1016	Black Built-Up Roofing Base Sheet	Non-ACM	Main Roof	ND
55B-RCM-1016	Black Built-Up Roofing Base Sheet	Non-ACM	Lower Roof	ND
56-RCM-1016	White Boiler Insulation Debris	Friable	Basement	10% Chrysotile
57-RCM-1016	Black Pipe Gasket Associated with Disassembled Pipe	Cat 1 NF	Basement	30% Chrysotile
58A-RCM-1016	Black Built-Up Roofing - Felt	Non-ACM	Exterior Shed	ND
58B-RCM-1016	Black Built-Up Roofing - Felt	Non-ACM	Exterior Shed	ND
59A-RCM-1016	Black Built-Up Roofing - Asphalt	Cat 1 NF	Exterior Shed	5% Chrysotile
59B-RCM-1016	Black Built-Up Roofing - Asphalt	Cat 1 NF	Exterior Shed	Pos Stop
60A-RCM-1016	Red Floor Paper	Non-ACM	3-Story Building	ND
60B-RCM-1016	Red Floor Paper	Non-ACM	3-Story Building	ND
61A-RCM-1016	White Glazing Compound	Non-ACM	3-Story Building, Exterior Windows	ND
61B-RCM-1016	White Glazing Compound	Non-ACM	3-Story Building, Exterior Windows	ND
62A-RCM-1016	Gray Exterior Window Caulking	Cat 2 NF	3-Story Building, Exterior Windows	5% Chrysotile
62B-RCM-1016	Gray Exterior Window Caulking	Cat 2 NF	3-Story Building, Exterior Windows	Pos Stop

Pos Stop = Positive Stop

Cat 1 NF = Category I Non-Friable

Cat 2 NF = Category II Non-Friable

ND = None Detected

ACM = Asbestos-Containing Material

**Table 2**  
**Asbestos-Containing Materials Summary**

**20 Privilege Street**  
**Woonsocket, Rhode Island**

City of Woonsocket  
December 2020  
Fuss & O'Neill Reference No. 20181545.B10

Asbestos-Containing Material Type	Locations(s)	Asbestos Content	Estimated Total Quantity
Black Mastic Associated with 12" by 12" Tan/Brown Mottled Floor Tile	Main Lobby	5% Chrysotile	500 SF
12" x 12" Gray Floor Tile	Beneath Carpet in Conference Rooms/Offices across from Conference Room	5% Chrysotile	750 SF
12" x 12" Tan with Multi-Color Splotch Floor Tile	Break Room, Kitchen, & Breakroom Storage	5% Chrysotile	300 SF
12" x 12" Tan with Splotch Floor Tile	Lab Sales Offices	3% Chrysotile	500 SF
12" x 12" Tan Mottled Floor Tile	Warehouse Office	5% Chrysotile	500 SF
12" x 12" Tan Floor Tile	Warehouse Chemical Storage Shelf Area & Machinist Room	5% Chrysotile	150 SF
12" x 12" Brown with Streak Floor Tile	4th Floor Flammable Room	2% Chrysotile	50 SF
12" x 12" Tan Floor Tile	2nd, 3rd, & 4th Floor Bathrooms	5% Chrysotile	750 SF
Black Mastic Associated with 12" x 12" Tan Floor Tile		3% Chrysotile	
12" x 12" Light Brown Floor Tile		5% Chrysotile	
Black Composite Lab Countertop	Rear Lab Space	18% Chrysotile	25 SF
Black Fume Hood Countertop	Rear Lab Space	10% Chrysotile	1 EA
White Fume Hood Panel	Rear Lab Space	15% Chrysotile	
Brown Boiler Gasket	Warehouse Boiler Room	10% Chrysotile	3 EA
White Door Lite Glazing Compound	2nd, 3rd, & 4th Floor Bathroom Doors	3% Chrysotile	6 EA
Black Glue on Masonite	2nd, 3rd, & 4th Floor Bathrooms	3% Chrysotile	2,250 SF
Tan/Gray Glue on Masonite		3% Chrysotile	
Gray Exterior Window Caulking	Exterior Windows	5% Chrysotile	330 EA
White Boiler Insulation Debris	Basement	10% Chrysotile	5 CY
Black Pipe Gasket Associated with Disassembled Pipe	Basement	30% Chrysotile	15 EA
Black Built-Up Roofing - Asphalt	Exterior Shed	5% Chrysotile	50 SF
Gray Exterior Window Caulking	3-Story Building, Exterior Windows	5% Chrysotile	90 EA
Roofing Materials	3-Story Building	Assumed ACM	10,250 SF



## Appendix A

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### Limitations

## **APPENDIX A**

### **20 Privilege Street Woonsocket, Rhode Island**

1. This environmental report has been prepared for the exclusive use of the Client, and is subject to, and is issued in connection with, the general terms and conditions of the original Agreement (June 3, 2020) and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill, shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. Fuss & O'Neill has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM that must be managed prior to renovation or demolition activities that may disturb these materials at the subject property. Fuss & O'Neill has not performed an independent review of the reliability of this laboratory data.
3. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surfaces that were not included in the scope of work of this inspection. Fuss & O'Neill cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
4. The findings, observations, and conclusions presented in this report are limited by the scope of services outlined in our original Agreement, which reflects schedule and budgetary constraints imposed by the Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
5. The conclusions presented in this report are based solely upon information gathered by Fuss & O'Neill to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to Fuss & O'Neill's attention. Based upon an evaluation and assessment of relevant information, Fuss & O'Neill may modify the report and its conclusions.

## **Appendix B**

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### Fuss & O'Neill Asbestos Inspector State Certification & EPA Accreditation

Rhode Island Department of Health

Asbestos Program

Asbestos Inspector

**ROBERT C MALLET**

Exp. Date: 04/30/2021

License #: A100978

Member of C.O.N.E.S.





*State of Rhode Island and Providence Plantations*  
**DEPARTMENT OF HEALTH**  
**CENTER FOR HEALTHY HOMES & ENVIRONMENT – ASBESTOS PROGRAM**

**ASBESTOS CONSULTANT CERTIFICATION**

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the Rhode Island General Laws, and Regulation 216-RICR-50-15-1 – Asbestos Control, this license is hereby issued as designated below. This license is subject to all applicable rules, regulations, orders and notices of the Department of Health now or hereafter in effect and to any conditions delineated below.

**Certificate Holder: ROBERT C MALLETT**  
**Address: FUSS AND ONEILL ENVIROSCIENCE LLC**  
**108 MYRTLE ST STE 502**  
**QUINCY MA 02171**

**Certification Number: AI00978**  
**Type of Certification: Asbestos Inspector**  
**Expiration Date: 04/30/2021**

Except as specifically provided otherwise in this Certificate, Certificate holders shall conduct their program in accordance with statements, procedures and representations contained in their application, including any attachments. Regulation 216-RICR-50-15-1 - Asbestos Control shall govern unless the statements, representations and procedures in the Certificate Holder's application and documentation are more restrictive than the regulations.

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**Raquel Barrera**  
**Sr. Community Program Liaison Worker**  
**Healthy Homes and Environment**

## **Appendix C**

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### Asbestos Laboratory Analytical Report & Chain-of-Custody Form



108 Myrtle Street, Suite 502, Quincy, MA 02171

Phone (617) 282-4675 Fax (617) 282-8253

**Asbestos Bulk Sample Chain-of-Custody Form**Sheet 1 of 1Project Name: 20 Privilege Street Project No.: 20181545.B10 Task: 3, 110Building Name/Number: 20 Privilege Street Project Manager: DowningSite Address: 20 Privilege Street, Woonsocket, RI Total # of Samples: 131

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
01A-RCM-1016	12" x 12" Tan/Brown Mottled Floor Tile	Main Lobby	
01B-RCM-1016	12" x 12" Tan/Brown Mottled Floor Tile	Lobby Corridor	
02A-RCM-1016	Black Mastic Associated with 01A	Main Lobby	
02B-RCM-1016	Black Mastic Associated with 01B	Lobby Corridor	
03A-RCM-1016	12" x 12" Gray Floor Tile	Beneath Carpet in Conference Room	
03B-RCM-1016	12" x 12" Gray Floor Tile	Beneath Carpet in Conference Room	
04A-RCM-1016	Yellow Mastic Associated with 03	Beneath Carpet in Conference Room	
04B-RCM-1016	Yellow Mastic Associated with 03	Beneath Carpet in Conference Room	
05A-RCM-1016	Dark Yellow Carpet Adhesive	Conference Room	
05B-RCM-1016	Dark Yellow Carpet Adhesive	Room across from Conference Room	
06A-RCM-1016	12" x 12" Tan with Multi-Color Splotch	Break Room	
06B-RCM-1016	12" x 12" Tan with Multi-Color Splotch	Break Room Storage	
07A-RCM-1016	Brown Mastic Associated with 06	Break Room	
07B-RCM-1016	Brown Mastic Associated with 06	Break Room Storage	
08A-RCM-1016	2' x 4' White Fissure & Dot Suspended Ceiling Tile	Kitchen	
08B-RCM-1016	2' x 4' White Fissure & Dot Suspended Ceiling Tile	Break Room Storage	
09A-RCM-1016	White Joint Compound	Rooms across from Conference Room	
09B-RCM-1016	White Joint Compound	Rooms across from Conference Room	
10A-RCM-1016	Gray Gypsum Wallboard	Rooms across from Conference Room	
10B-RCM-1016	Gray Gypsum Wallboard	Rooms across from Conference Room	
11A-RCM-1016	12" x 12" Gray Mottled Floor Tile	Lab Space	
11B-RCM-1016	12" x 12" Gray Mottled Floor Tile	Lab Space	
12A-RCM-1016	Black Mastic Associated with 11	Lab Space	
12B-RCM-1016	Black Mastic Associated with 11	Lab Space	

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EFX: 7958 5258 4656



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Phone (617) 282-4675 Fax (617) 282-8253

13A-RCM-1016	Brown Lab Counter Top Laminate Adhesive	Lab Space	
13B-RCM-1016	Brown Lab Counter Top Laminate Adhesive	Lab Space	
14A-RCM-1016	4" Black Vinyl Baseboard	Lab Space	
14B-RCM-1016	4" Black Vinyl Baseboard	Lab Space	
15A-RCM-1016	Yellow Adhesive associated with 14	Lab Space	
15B-RCM-1016	Yellow Adhesive associated with 14	Lab Space	
16A-RCM-1016	White Joint Compound	Lab Space	
16B-RCM-1016	White Joint Compound	Lab Space	
17-RCM-1016	Black Composite Lab Counter Top	Rear Lab Space	1 EA
18-RCM-1016	Black Fume Hood Counter Top	Rear Lab Space	
19-RCM-1016	White Fume Hood Panel	Rear Lab Space	
20A-RCM-1016	12" x 12" Tan with Splotch Floor Tile	Lab Sales Office	
20B-RCM-1016	12" x 12" Tan with Splotch Floor Tile	Lab Sales Office	
21A-RCM-1016	Brown Mastic associated with 20	Lab Sales Office	
21B-RCM-1016	Brown Mastic associated with 20	Lab Sales Office	
22A-RCM-1016	12" x 12" Tan Mottled Floor Tile	Left Lab Sales Office	
22B-RCM-1016	12" x 12" Tan Mottled Floor Tile	Left Lab Sales Office	
23A-RCM-1016	Brown Adhesive Associated with 22	Left Lab Sales Office	
23B-RCM-1016	Brown Adhesive Associated with 22	Left Lab Sales Office	
24A-RCM-1016	Yellow Carpet Adhesive	Executive Offices	
24B-RCM-1016	Yellow Carpet Adhesive	Executive Offices	
25A-RCM-1016	Brown Flooring beneath Carpet	Executive Offices (far back office)	
25B-RCM-1016	Brown Flooring beneath Carpet	Executive Offices (far back office)	
26A-RCM-1016	Black Mastic associated with 25	Executive Offices (far back office)	
26B-RCM-1016	Black Mastic associated with 25	Executive Offices (far back office)	
27A-RCM-1016	White Skim Coat Plaster	Executive Offices	
27B-RCM-1016	White Skim Coat Plaster	Executive Offices	
27C-RCM-1016	White Skim Coat Plaster	Executive Offices	
27D-RCM-1016	White Skim Coat Plaster	Executive Offices	

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Phone (617) 282-4675 Fax (617) 282-8253

27E-RCM-1016	White Skim Coat Plaster	Executive Offices	
27F-RCM-1016	White Skim Coat Plaster	Executive Offices	
27G-RCM-1016	White Skim Coat Plaster	Executive Offices	
28A-RCM-1016	White Skim Coat Plaster	Executive Offices	
28B-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
28C-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
28D-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
28E-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
28F-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
28G-RCM-1016	Gray Rough Coat Plaster	Executive Offices	
29A-RCM-1016	Brown Boiler Gasket	Warehouse Boiler Room	
29B-RCM-1016	Brown Boiler Gasket	Warehouse Boiler Room	
30A-RCM-1016	12" x 12" Tan Mottled Floor Tile	Warehouse Office	
30B-RCM-1016	12" x 12" Tan Mottled Floor Tile	Warehouse Office	
31A-RCM-1016	Brown Mastic associated with 30	Warehouse Office	
31B-RCM-1016	Brown Mastic associated with 30	Warehouse Office	
32A-RCM-1016	2' x 4' White Suspended Ceiling Tile	Warehouse Office	
32B-RCM-1016	2' x 4' White Suspended Ceiling Tile	Warehouse Office	
33A-RCM-1016	12" x 12" Tan Floor Tile	Warehouse Chemical Storage Shelf Area	
33B-RCM-1016	12" x 12" Tan Floor Tile	Machinist Room	
34A-RCM-1016	Black Mastic Associated with 33	Warehouse Chemical Storage Shelf Area	
34B-RCM-1016	Black Mastic Associated with 33	Machinist Room	
35A-RCM-1016	Brown Floor Paper	2 <sup>nd</sup> Floor	
35B-RCM-1016	Brown Floor Paper	3 <sup>rd</sup> Floor	
36A-RCM-1016	Gray Floor Paper	2 <sup>nd</sup> Floor	
36B-RCM-1016	Gray Floor Paper	3 <sup>rd</sup> Floor	
37A-RCM-1016	Gray Stair Tread & Landing Adhesive	Front Stairs	
37A1-RCM-1016	Gray Stair Tread & Landing Adhesive	Rear Stairs	
37B1-RCM-1016	Stair Tread & Landing Flooring	Front Stairs	

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Phone (617) 282-4675 Fax (617) 282-8253

37B-RCM-1016	Stair Tread & Landing Flooring	Rear Stairs	
38A-RCM-1016	12" x 12" Tan Floor Tile	2nd Floor Bathroom	
38B-RCM-1016	12" x 12" Tan Floor Tile	2nd Floor Bathroom	
39A-RCM-1016	Black Mastic associated with 38A	2nd Floor Bathroom	
39B-RCM-1016	Black Mastic associated with 38B	2nd Floor Bathroom	
40A-RCM-1016	4" Black Vinyl Baseboard	2nd Floor Bathroom	
40B-RCM-1016	4" Black Vinyl Baseboard	2nd Floor Bathroom	
41A-RCM-1016	Brown Adhesive Assocaited with 40	2nd Floor Bathroom	
41B-RCM-1016	Brown Adhesive Assocaited with 40	2nd Floor Bathroom	
42A-RCM-1016	Yellow Adhesive Associated with Masonite	2nd Floor Bathroom	
42B-RCM-1016	Yellow Adhesive Associated with Masonite	2nd Floor Bathroom	
43A-RCM-1016	12" x 12" Light Brown Floor Tile		
43B-RCM-1016	12" x 12" Light Brown Floor Tile		
44A-RCM-1016	Black Mastic Associated with 43		
44B-RCM-1016	Black Mastic Associated with 43		
45A-RCM-1016	White Window Glazing Compound	Exterior Windows	
45B-RCM-1016	White Window Glazing Compound	Exterior Windows	
46A-RCM-1016	White Door Lite Glazing Compound	Women's Bathroom Doors	
46B-RCM-1016	White Door Lite Glazing Compound	Women's Bathroom Doors	
47A-RCM-1016	Black Glue on Masonite	3rd Floor Bathrooms	
47B-RCM-1016	Black Glue on Masonite	3rd Floor Bathrooms	
48A-RCM-1016	Brown Adhesive Assocaited with 4" Vinyl Baseboard	3rd Floor Bathrooms	
48B-RCM-1016	Brown Adhesive Assocaited with 4" Vinyl Baseboard	3rd Floor Bathrooms	
49A-RCM-1016	12" x 12" Brown with Streak Floor Tile	4th Floor Flammable Room	
49B-RCM-1016	12" x 12" Brown with Streak Floor Tile	4th Floor Flammable Room	
50A-RCM-1016	Tan Adhesive Associated with 49	4th Floor Flammable Room	
50B-RCM-1016	Tan Adhesive Associated with 49	4th Floor Flammable Room	
51A-RCM-1016	Tan/Gray Glue on Masonite	4th Floor Women's Room	
51B-RCM-1016	Tan/Gray Glue on Masonite	4th Floor men's room	

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Phone (617) 282-4675 Fax (617) 282-8253

52A-RCM-1016	Gray Exterior Window Caulking	Exterior Windows	
52B-RCM-1016	Gray Exterior Window Caulking	Exterior Windows	
53A-RCM-1016	Black Built-up Roofing - Felt	Main Roof	Coal Tar
53B-RCM-1016	Black Built-up Roofing - Felt	Lower Roof	Coal Tar
54A-RCM-1016	Black Built-up Roofing - Tar	Main Roof	Coal Tar
54B-RCM-1016	Black Built-up Roofing - Tar	Lower Roof	Coal Tar
55A-RCM-1016	Black Built-Up Roofing Base Sheet	Main Roof	Coal Tar
55B-RCM-1016	Black Built-Up Roofing Base Sheet	Lower Roof	Coal Tar
56-RCM-1016	White Boiler Insulation Debris	Basement	
57-RCM-1016	Black Pipe Gasket Associated with Disassembled Pipe	Basement	
58A-RCM-1016	Black Built-Up Roofing - Felt	Exterior Shed	
58B-RCM-1016	Black Built-Up Roofing - Felt	Exterior Shed	
59A-RCM-1016	Black Built-Up Roofing - Asphalt	Exterior Shed	
59B-RCM-1016	Black Built-Up Roofing - Asphalt	Exterior Shed	
60A-RCM-1016	Red Floor Paper	3-Story Building	
60B-RCM-1016	Red Floor Paper	3-Story Building	
61A-RCM-1016	White Glazing Compound	3-Story Building, Exterior Windows	
61B-RCM-1016	White Glazing Compound	3-Story Building, Exterior Windows	
62A-RCM-1016	Gray Exterior Window Caulking	3-Story Building, Exterior Windows	
62B-RCM-1016	Gray Exterior Window Caulking	3-Story Building, Exterior Windows	

Analysis Method:  PLM  TEM  Other \_\_\_\_\_ Turnaround Time: 72-hour

Please call Fuss & O'Neill at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: rmallett @fando.com Do Not Mail Hard Copy Report FAX Results to: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count.

Samples Collected by: [Signature] Date: 10/16/2020

Samples Sent by: [Signature] Date: 10/16/2020 Time: PM

Shipped To:  EMSL  Other \_\_\_\_\_

Method of Shipment:  Fed Ex  Lab Drop Off  Other \_\_\_\_\_

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# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com/bostonlab@emsl.com>

EMSL Order: 132007504

Customer ID: ENVI54

Customer PO: 20181545.B10

Project ID:

**Attention:** R Mallett  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

**Phone:** (860) 646-2469

**Fax:**

**Received Date:** 10/19/2020 8:30 AM

**Analysis Date:** 10/22/2020

**Collected Date:** 10/16/2020

**Project:** 20181545.B10/ 20 Privilege Street; Woonsocket, RI

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01A-RCM-1016 <small>132007504-0001</small>	Main Lobby - 12"x12" Tan/Brown Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01B-RCM-1016 <small>132007504-0002</small>	Lobby Corridor - 12"x12" Tan/Brown Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A-RCM-1016 <small>132007504-0003</small>	Main Lobby - Black Mastic Assoc. w/ 01A	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
02B-RCM-1016 <small>132007504-0004</small>	Lobby Corridor - Black Mastic Assoc. w/ 01B				Positive Stop (Not Analyzed)
03A-RCM-1016 <small>132007504-0005</small>	Beneath Carpet in Conference Room - 12"x12" Gray Floor Tile	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
03B-RCM-1016 <small>132007504-0006</small>	Beneath Carpet in Conference Room - 12"x12" Gray Floor Tile				Positive Stop (Not Analyzed)
04A-RCM-1016 <small>132007504-0007</small>	Beneath Carpet in Conference Room - Yellow Mastic Assoc. w/ 03	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B-RCM-1016 <small>132007504-0008</small>	Beneath Carpet in Conference Room - Yellow Mastic Assoc. w/ 03	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A-RCM-1016 <small>132007504-0009</small>	Conference Room - Dark Yellow Carpet Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05B-RCM-1016 <small>132007504-0010</small>	Room Across from Conference Room - Dark Yellow Carpet Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06A-RCM-1016 <small>132007504-0011</small>	Break Room - 12"x12" Tan w/ Multi-Color Splotch	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
06B-RCM-1016 <small>132007504-0012</small>	Break Room Storage - 12"x12" Tan w/ Multi-Color Splotch				Positive Stop (Not Analyzed)
07A-RCM-1016 <small>132007504-0013</small>	Break Room - Brown Mastic Assoc. w/ 06	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B-RCM-1016 <small>132007504-0014</small>	Break Room Storage - Brown Mastic Assoc. w/ 06	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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**EMSL Order:** 132007504  
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**Customer PO:** 20181545.B10  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
08A-RCM-1016 <small>132007504-0015</small>	Kitchen - 2'x4' White Fissure & Dot Suspended Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
08B-RCM-1016 <small>132007504-0016</small>	Break Room Storage - 2'x4' White Fissure & Dot Suspended Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
09A-RCM-1016 <small>132007504-0017</small>	Rooms Across from Conference Room - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09B-RCM-1016 <small>132007504-0018</small>	Rooms Across from Conference Room - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A-RCM-1016 <small>132007504-0019</small>	Rooms Across from Conference Room - Gray Gypsum Wallboard	Gray/Tan Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
10B-RCM-1016 <small>132007504-0020</small>	Rooms Across from Conference Room - Gray Gypsum Wallboard	Gray/Tan Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
11A-RCM-1016 <small>132007504-0021</small>	Lab Space - 12"x12" Gray Mottled Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11B-RCM-1016 <small>132007504-0022</small>	Lab Space - 12"x12" Gray Mottled Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12A-RCM-1016 <small>132007504-0023</small>	Lab Space - Black Mastic Assoc. w/ 11	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12B-RCM-1016 <small>132007504-0024</small>	Lab Space - Black Mastic Assoc. w/ 11	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13A-RCM-1016 <small>132007504-0025</small>	Lab Space - Brown Lab Countertop Laminate Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B-RCM-1016 <small>132007504-0026</small>	Lab Space - Brown Lab Countertop Laminate Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14A-RCM-1016 <small>132007504-0027</small>	Lab Space - 4" Black Vinyl Baseboard	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14B-RCM-1016 <small>132007504-0028</small>	Lab Space - 4" Black Vinyl Baseboard	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15A-RCM-1016 <small>132007504-0029</small>	Lab Space - Yellow Adhesive Assoc. w/ 14	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15B-RCM-1016 <small>132007504-0030</small>	Lab Space - Yellow Adhesive Assoc. w/ 14	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16A-RCM-1016 <small>132007504-0031</small>	Lab Space - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16B-RCM-1016 <small>132007504-0032</small>	Lab Space - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-RCM-1016 <small>132007504-0033</small>	Rear Lab Space - Black Composite Lab Countertop	Gray/Black Fibrous Homogeneous		82% Non-fibrous (Other)	18% Chrysotile
18-RCM-1016 <small>132007504-0034</small>	Rear Lab Space - Black Fume Hood Countertop	Gray/Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
19-RCM-1016 <small>132007504-0035</small>	Rear Lab Space - White Fume Hood Panel	Gray Non-Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
20A-RCM-1016 <small>132007504-0036</small>	Lab Sales Office - 12"x12" Tan w/ Splotch Floor Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
20B-RCM-1016 <small>132007504-0037</small>	Lab Sales Office - 12"x12" Tan w/ Splotch Floor Tile				Positive Stop (Not Analyzed)
21A-RCM-1016 <small>132007504-0038</small>	Lab Sales Office - Brown Mastic Assoc. w/ 20	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21B-RCM-1016 <small>132007504-0039</small>	Lab Sales Office - Brown Mastic Assoc. w/ 20	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22A-RCM-1016 <small>132007504-0040</small>	Left Lab Sales Office - 12"x12" Tan Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22B-RCM-1016 <small>132007504-0041</small>	Left Lab Sales Office - 12"x12" Tan Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23A-RCM-1016 <small>132007504-0042</small>	Left Lab Sales Office - Brown Adhesive Assoc. w/ 22	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23B-RCM-1016 <small>132007504-0043</small>	Left Lab Sales Office - Brown Adhesive Assoc. w/ 22	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24A-RCM-1016 <small>132007504-0044</small>	Executive Offices - Yellow Carpet Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24B-RCM-1016 <small>132007504-0045</small>	Executive Offices - Yellow Carpet Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25A-RCM-1016 <small>132007504-0046</small>	Executive Offices (Far Back Office) - Brown Flooring Beneath Carpet	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25B-RCM-1016 <small>132007504-0047</small>	Executive Offices (Far Back Office) - Brown Flooring Beneath Carpet	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26A-RCM-1016 <small>132007504-0048</small>	Executive Offices (Far Back Office) - Black Mastic Assoc. w/ 25	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
26B-RCM-1016 <small>132007504-0049</small>	Executive Offices (Far Back Office) - Black Mastic Assoc. w/ 25	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
27A-RCM-1016 <small>132007504-0050</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27B-RCM-1016 <small>132007504-0051</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27C-RCM-1016 <small>132007504-0052</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27D-RCM-1016 <small>132007504-0053</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27E-RCM-1016 <small>132007504-0054</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27F-RCM-1016 <small>132007504-0055</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27G-RCM-1016 <small>132007504-0056</small>	Executive Offices - White Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28A-RCM-1016 <small>132007504-0057</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28B-RCM-1016 <small>132007504-0058</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28C-RCM-1016 <small>132007504-0059</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28D-RCM-1016 <small>132007504-0060</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28E-RCM-1016 <small>132007504-0061</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28F-RCM-1016 <small>132007504-0062</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28G-RCM-1016 <small>132007504-0063</small>	Executive Offices - Gray Rough Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29A-RCM-1016 <small>132007504-0064</small>	Warehouse Boiler Room - Brown Boiler Gasket	Brown Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
29B-RCM-1016 <small>132007504-0065</small>	Warehouse Boiler Room - Brown Boiler Gasket				Positive Stop (Not Analyzed)
30A-RCM-1016 <small>132007504-0066</small>	Warehouse Office - 12"x12" Tan Mottled Floor Tile	Brown/Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
30B-RCM-1016 <small>132007504-0067</small>	Warehouse Office - 12"x12" Tan Mottled Floor Tile				Positive Stop (Not Analyzed)
31A-RCM-1016 <small>132007504-0068</small>	Warehouse Office - Brown Mastic Assoc. w/ 30	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
31B-RCM-1016 <small>132007504-0069</small>	Warehouse Office - Brown Mastic Assoc. w/ 30	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32A-RCM-1016 <small>132007504-0070</small>	Warehouse Office - 2'x4' White Suspended Ceiling Tile	Brown/White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
32B-RCM-1016 <small>132007504-0071</small>	Warehouse Office - 2'x4' White Suspended Ceiling Tile	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
33A-RCM-1016 <small>132007504-0072</small>	Warehouse Chemical Storage Shelf Area - 12"x12" Tan Floor Tile	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
33B-RCM-1016 <small>132007504-0073</small>	Machinist Room - 12"x12" Tan Floor Tile				Positive Stop (Not Analyzed)
34A-RCM-1016 <small>132007504-0074</small>	Warehouse Chemical Storage Shelf Area - Black Mastic Assoc. w/ 33	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34B-RCM-1016 <small>132007504-0075</small>	Machinist Room - Black Mastic Assoc. w/ 33	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35A-RCM-1016 <small>132007504-0076</small>	2nd Floor - Brown Floor Paper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
35B-RCM-1016 <small>132007504-0077</small>	3rd Floor - Brown Floor Paper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
36A-RCM-1016 <small>132007504-0078</small>	2nd Floor - Gray Floor Paper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
36B-RCM-1016 <small>132007504-0079</small>	3rd Floor - Gray Floor Paper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
37A-RCM-1016 <small>132007504-0080</small>	Front Stairs - Gray Stair Tread & Landing Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37A1-RCM-1016 <small>132007504-0081</small>	Rear Stairs - Gray Stair Tread & Landing Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37B1-RCM-1016 <small>132007504-0082</small>	Front Stairs - Stair Tread & Landing Flooring	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37B-RCM-1016 <small>132007504-0083</small>	Rear Stairs - Stair Tread & Landing Flooring				Not Submitted
38A-RCM-1016 <small>132007504-0084</small>	2nd Floor Bathroom - 12"x12" Tan Floor Tile	Gray/Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
38B-RCM-1016 <small>132007504-0085</small>	2nd Floor Bathroom - 12"x12" Tan Floor Tile				Positive Stop (Not Analyzed)
39A-RCM-1016 <small>132007504-0086</small>	2nd Floor Bathroom - Black Mastic Assoc. w/ 38A	Tan/Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
39B-RCM-1016 <small>132007504-0087</small>	2nd Floor Bathroom - Black Mastic Assoc. w/ 38B				Positive Stop (Not Analyzed)
40A-RCM-1016 <small>132007504-0088</small>	2nd Floor Bathroom - 4" Black Vinyl Baseboard	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40B-RCM-1016 <small>132007504-0089</small>	2nd Floor Bathroom - 4" Black Vinyl Baseboard	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41A-RCM-1016 <small>132007504-0090</small>	2nd Floor Bathroom - Brown Adhesive Assoc. w/ 40	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41B-RCM-1016 <small>132007504-0091</small>	2nd Floor Bathroom - Brown Adhesive Assoc. w/ 40	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42A-RCM-1016 <small>132007504-0092</small>	2nd Floor Bathroom - Yellow Adhesive Assoc. w/ Masonite	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42B-RCM-1016 <small>132007504-0093</small>	2nd Floor Bathroom - Yellow Adhesive Assoc. w/ Masonite	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43A-RCM-1016 <small>132007504-0094</small>	12"x12" Light Brown Floor Tile	Tan Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
43B-RCM-1016 <small>132007504-0095</small>	12"x12" Light Brown Floor Tile				Positive Stop (Not Analyzed)
44A-RCM-1016 <small>132007504-0096</small>	Black Mastic Assoc. w/ 43				Insufficient Material
44B-RCM-1016 <small>132007504-0097</small>	Black Mastic Assoc. w/ 43				Insufficient Material
45A-RCM-1016 <small>132007504-0098</small>	Exterior Windows - White Glazing Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45B-RCM-1016 <small>132007504-0099</small>	Exterior Windows - White Glazing Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46A-RCM-1016 <small>132007504-0100</small>	Women's Bathroom Doors - White Door Lite Glazing Compound	Tan Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
46B-RCM-1016 <small>132007504-0101</small>	Women's Bathroom Doors - White Door Lite Glazing Compound				Positive Stop (Not Analyzed)
47A-RCM-1016 <small>132007504-0102</small>	3rd Floor Bathrooms - Black Glue on Masonite	Brown Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
47B-RCM-1016 <small>132007504-0103</small>	3rd Floor Bathrooms - Black Glue on Masonite				Positive Stop (Not Analyzed)
48A-RCM-1016 <small>132007504-0104</small>	3rd Floor Bathrooms - Brown Adhesive Assoc. w/ 4" Baseboard	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
48B-RCM-1016 <small>132007504-0105</small>	3rd Floor Bathrooms - Brown Adhesive Assoc. w/ 4" Baseboard	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49A-RCM-1016 <small>132007504-0106</small>	4th Floor Flammable Room - 12"x12" Brown w/ Streak Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
49B-RCM-1016 <small>132007504-0107</small>	4th Floor Flammable Room - 12"x12" Brown w/ Streak Floor Tile				Positive Stop (Not Analyzed)
50A-RCM-1016 <small>132007504-0108</small>	4th Floor Flammable Room - Tan Adhesive Assoc. w/ 49	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50B-RCM-1016 <small>132007504-0109</small>	4th Floor Flammable Room - Tan Adhesive Assoc. w/ 49	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51A-RCM-1016 <small>132007504-0110</small>	4th Floor Women's Room - Tan/Gray Glue on Masonite	Tan Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
51B-RCM-1016 <small>132007504-0111</small>	4th Floor Men's Room - Tan/Gray Glue on Masonite				Positive Stop (Not Analyzed)
52A-RCM-1016 <small>132007504-0112</small>	Exterior Windows - Gray Exterior Window Caulking	Gray/Tan Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
52B-RCM-1016 <small>132007504-0113</small>	Exterior Windows - Gray Exterior Window Caulking				Positive Stop (Not Analyzed)
53A-RCM-1016 <small>132007504-0114</small>	Main Roof - Black Built-up Roofing - Felt	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
53B-RCM-1016 <small>132007504-0115</small>	Lower Roof - Black Built-up Roofing - Felt	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
54A-RCM-1016 <small>132007504-0116</small>	Main Roof - Black Built-up Roofing - Tar	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54B-RCM-1016 <small>132007504-0117</small>	Lower Roof - Black Built-up Roofing - Tar	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55A-RCM-1016 <small>132007504-0118</small>	Main Roof - Black Built-up Roofing Base Sheet	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
55B-RCM-1016 <small>132007504-0119</small>	Lower Roof - Black Built-up Roofing Base Sheet	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
56-RCM-1016 <small>132007504-0120</small>	Basement - White Boiler Insulation Debris	White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
57-RCM-1016 <small>132007504-0121</small>	Basement - Black Pipe Gasket Assoc. w/ Disassembled Pipe	Black Fibrous Homogeneous		70% Non-fibrous (Other)	30% Chrysotile
58A-RCM-1016 <small>132007504-0122</small>	Exterior Shed - Black Built-up Roofing - Felt	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
58B-RCM-1016 <small>132007504-0123</small>	Exterior Shed - Black Built-up Roofing - Felt	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
59A-RCM-1016 <small>132007504-0124</small>	Exterior Shed - Black Built-up Roofing - Asphalt	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
59B-RCM-1016 <small>132007504-0125</small>	Exterior Shed - Black Built-up Roofing - Asphalt				Positive Stop (Not Analyzed)
60A-RCM-1016 <small>132007504-0126</small>	3-Story Building - Red Floor Paper	Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
60B-RCM-1016 <small>132007504-0127</small>	3-Story Building - Red Floor Paper	Red Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
61A-RCM-1016 <small>132007504-0128</small>	3-Story Building, Exterior Windows - White Glazing Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61B-RCM-1016 <small>132007504-0129</small>	3-Story Building, Exterior Windows - White Glazing Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62A-RCM-1016 <small>132007504-0130</small>	3-Story Building, Exterior Windows - Gray Exterior Window Caulking	Gray/Tan Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
62B-RCM-1016 <small>132007504-0131</small>	3-Story Building, Exterior Windows - Gray Exterior Window Caulking				Positive Stop (Not Analyzed)

Analyst(s)

Elizabeth Stutts (77)

Kevin McKenzie (34)

Steve Grise, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-139, VT AL998919, ME LB-0039

Initial report from: 10/22/2020 15:04:35

## **Appendix D**

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### XRF Lead-Based Paint Screening Field Data Sheets



XRF Lead-Based Paint Screening Field Data Sheet

Inspector: Robert Mallett XRF Model: RMD - LPA-1 Serial: 1395

Project Name: 20 Privilege Street Date: 10/17/2020

Building Name/Number: Project Number: 20181545.B10

Site Address: 20 Privilege Street, Woonsocket, RI Project Manager: Robert Mallett

XRF Calibration Check - RMD (0.7 to 1.3 mg/cm² inclusive)

	First Reading	Second Reading	Third Reading	Average
Start Check	1.0	1.0	1.0	1.0
Finish Check	1.0	1.0	1.0	1.0

Room	Side	Surface/Component	Color	Substrate*	XRF Reading	Positive
First floor, office area entrance	A	Lower Wall	Blue	B	-0.1	
First floor, office area entrance	A	Upper Wall	White	B	-0.1	
First floor, office area entrance	A	Window casing	White	W	>9.9	POS
First floor, office area entrance	A	Window sash	White	W	0.2	
First floor, office area entrance	A	Window component	White	W	0.4	
First floor, office area entrance	A	Stairwell Wall	White	W	-0.2	
First floor, office area entrance	A	Door to office area	Blue	M	2.6	POS
First floor, office area entrance	A	Wall	White	B	0.1	
First floor, office area	A	Wall panel	White	W	-.02	
First floor, office area	A	Gypsum wall board	White	P	0.0	
First floor, office area	A	Column	White	M	8.1	POS
First floor, office area, street entrance	A	Wall	White	P	1.0	POS
First floor, office area, bathroom hallway	B	Wall	White	P	0.5	
First floor, warehouse	B	Beam on wall	White	M	5.7	POS
First floor, warehouse	B	Column	Blue	M	5.2	POS
First floor, warehouse	D	Upper Wall	White	B	0.0	
First floor, warehouse	D	Lower Wall	Green	B	0.0	
First floor, warehouse	D	Window Sash	White	W	>9.9	POS
First floor, warehouse	D	Window Casing	White	W	>9.9	POS
Second floor	D	Fire Door	Red	W	3.3	POS
Second floor	D	Upper Wall	White	B	0.1	
Second floor	D	Lower Wall	Green	B	1.0	POS
Second floor		Upper Column	White	M	3.2	POS



Second floor		Lower Column	Green	M	4.8	POS
Fourth floor		Structural Beam	White	M	8.2	POS
Fourth floor		Ceiling Deck	White	W	0.5	
Fourth floor		Sprinkler System Pipe	Red	M	0.1	

\* Substrate Type: M = Metal, W = Wood, P = Plaster, D = Drywall, C = Concrete, B = Brick, CMU = Concrete Masonry Unit, A = Aluminum, CT = Ceramic Tile  
N/A = Not Accessible, N/C = Not Coated, COV = Covered, VR = Vinyl Replacement, POS = Positive