

J0720-05-01
July 12, 2018

**Asbestos Assessment and
Lead Paint Screening
77 Maple Street
Springfield, Massachusetts**

PREPARED FOR:
Jablonski DeVriese Architects
29 Elliot Street
Springfield, Massachusetts 01105

PREPARED BY:
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street, Suite 500
Springfield, MA 01103

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Table 1	Asbestos Testing Results
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July 12, 2018
J0720-05-01

Mr. Stephen Jablonski, AIA
Jablonski DeVriese Architects
29 Elliot Street
Springfield, Massachusetts 01105

Re: Asbestos Assessment and Lead Paint Screening
Vacant Building
77 Maple Street
Springfield, Massachusetts

Dear Mr. Jablonski:

O'Reilly, Talbot & Okun Associates, Inc. is pleased to provide this Asbestos Assessment and Lead Paint Screening for the building associated with the above-referenced address in Springfield, Massachusetts.

We appreciate the opportunity to assist you on this project. Should you have any questions regarding the report, please do not hesitate to call. Thank you.

Very truly yours,
O'Reilly, Talbot & Okun Associates, Inc.

A handwritten signature in blue ink, appearing to read "Andrew P. Rolinger".

Andrew P. Rolinger
Senior Project Manager

A handwritten signature in blue ink, appearing to read "Robert F. Kirchherr".

Robert F. Kirchherr
Principal

**ASBESTOS ASSESSMENT AND LEAD PAINT SCREENING
77 MAPLE STREET
SPRINGFIELD, MASSACHUSETTS**

1.0 INTRODUCTION

O'Reilly Talbot & Okun Associates, Inc. (OTO) has conducted an asbestos and hazardous materials assessment of the former residential/office located at 77 Maple Street in Springfield, Massachusetts. This assessment was performed in general accordance with the Environmental Protection Agency's (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations to prepare the building for interior renovations. Assessment activities were conducted to generally identify locations where asbestos containing materials (ACMs) and Presumed Asbestos Containing Materials (PACMs) may be present within the building.

The information provided in this report is subject to the attached Limitations.

2.0 BUILDING DESCRIPTION

According to Springfield Assessor's records, the building (currently owned by Develop Springfield Corporation) is a two story wood framed building with an attic. Assessor's records do not indicate a construction date, but previous assessment activities conducted by OTO at the Site indicate an approximate construction date of 1830. The building has an approximate 3,000 square feet footprint, and has a full basement foundation. The building has a pitched gable roof covered with asphaltic shingles. Window are a mix of aluminum/vinyl replacement units and original wooden units containing fibrous glazing compounds.

The building is connected to the municipal water and sewer services, and to underground electrical service. Interior portions of the building have been almost completely gutted to the exterior walls of the structure, but some interior finishes (areas of wall plaster, gypsum wallboard systems, and resilient flooring) were observed. The building's heating system has been stripped and removed from the structure, but it appears that the building was formerly heated with a natural gas boiler formerly located in the basement. Heating system distribution lines have also been cut/removed from the building. Remnants of thermal system insulation (TSI) was observed in the basement of the structure located in a subgrade conduit which presumably runs to an associated garage located approximately 100 feet to the north of the building. The associated garage structure was not included as part of this assessment.

3.0 SUMMARY OF ASBESTOS ASSESSMENT

Representative bulk samples were collected of accessible homogeneous materials. Samples were packaged according to appropriate chain of custody procedures, and forwarded to EMSL Analytical Services, Inc. of Cinnaminson, New Jersey for analysis

of asbestos fibers by the polarized light microscopy (PLM) method, EPA 600/R-93/116. EMSL is an American Industrial Hygiene Association/National Voluntary Laboratory Accreditation Program (AIHA/NVLAP) accredited asbestos laboratory, and is licensed by the Massachusetts Department of Labor Standards (DLS). Samples were collected by Mr. Andrew P. Rolinger (MA DLS Asbestos Inspectors AI 000025) Materials identified by laboratory analysis as containing asbestos fibers are classified as asbestos containing materials (ACM).

Homogenous building components were visually classified based on color, texture, application and the age of the building component. The building is currently unoccupied and the majority of interior finishes have been removed. As such, limited destructive sampling techniques were used during our survey, where necessary. ACMs may be located in areas not accessible during our survey, such as beneath floors, in hidden wall cavities, in inaccessible areas, and in other enclosed spaces. ACMs in these areas may only become evident during renovation or demolition.

In accordance with state and federal regulations, materials that are tested to contain 1% and greater of asbestos will be classified as ACM. Additionally, the Massachusetts Department of Environmental Protection defines materials containing any amount of asbestos (less than 1%) be handled as an asbestos containing waste.

4.0 ASBESTOS TESTING RESULTS

Laboratory analytical results are attached and summarized in Table 1. As indicated, laboratory analysis has identified asbestos fibers in the following materials:

- Chimney Flue Packing Materials, located in Basement
- Thermal System Insulation located in conduit in northern corner of Basement

Materials containing less than 1 percent asbestos include:

- Plaster materials located on first floor Fireplace/Chimney (central fireplace, not associated with an exterior wall)

Presumed asbestos containing materials (PACM) include:

- Roofing materials (felts/flashings/adhesives) which may be present beneath existing materials (roofing materials were not tested as part of this assessment)

Asbestos was **not** detected in gypsum wallboard or associated joint compound wall/ceiling materials, in linoleum flooring or 9x9 floor tiles, in adhesive skim materials located on interior walls, in window glazing materials, in residual mastic/paper present on hardwood floors, or in gauze materials located beneath/between hardwood floors.

Note that other asbestos containing materials may be present in the building hidden in walls or chases, or underneath flooring or ceiling finishes not disturbed as part of our assessment.

5.0 LEAD PAINT SCREENING

The lead paint screening was conducted by randomly analyzing interior painted surfaces of the structure with a portable x-ray fluorescence (XRF) analyzer. In general, although all paint may contain some quantity of lead, concentrations of lead in paint that exceed 1.0 mg/cm² are classified as classified by the EPA as "lead based paint". Our screening provides a general determination if lead is present on painted surfaces which is useful for contractor bidding and work practice purposes, and necessary for compliance with the OSHA Lead in Construction Standard (29 CFR 1926.62).

The lead paint assessment was not conducted by a licensed Massachusetts Lead Inspector, nor was the lead paint screening performed in accordance with the Massachusetts Lead Regulations with the intent of obtaining a Massachusetts Lead Regulation Certification of Compliance.

Painted surfaces in finished areas were screened with the XRF. In general, painted surfaces exhibited lead concentrations ranging from 9.2 to 49.8 milligrams of lead per square centimeter (mg/cm²).

We recommend that regardless of lead paint concentration, contractors disturbing painted surfaces should comply and utilize the work practices and engineering controls identified in the Occupational Safety and Health Administration (OSHA) lead in construction standard (29 CFR 1926.62).

6.0 CONCLUSIONS

Based on sampling and analytical results, we have identified Asbestos Containing Materials (ACM) and Presumed ACM (PACM). These materials must be removed according to federal and state abatement/removal regulations by a licensed Massachusetts Asbestos Abatement Contractor prior to renovation or demolition activities if they are likely to be disturbed as part of these activities. Asbestos Containing Materials that will not be disturbed does not require removal according to current asbestos regulations.

**Table 1
 Asbestos Testing Results
 77 Maple Street
 Springfield, MA**

Sample	Description	Location	Asbestos Content
Sampled July 3, 2018			
77-Map-01	Chimney Flue Packing Material	Basement	4% Chrysotile
77-Map-02	Black Adhesive Material	First Floor, DA ¹ Corner Room Wall Over Fireplace	None Detected
77-Map-03 Skim Coat	Skim Coat Plaster	First Floor, DA Corner Room Wall Over Fireplace	None Detected
77-Map-03 Plaster	Associated Base Plaster	First Floor, DA Corner Room Wall Over Fireplace	None Detected
77-Map-04 Skim Coat	Skim Coat Plaster	First Floor, DA Corner Room Wall Over Fireplace	None Detected
77-Map-04 Plaster	Associated Base Plaster	First Floor, DA Corner Room Wall Over Fireplace	None Detected
77-Map-05 Skim Coat	Skim Coat Plaster	First Floor, D-Side Central Room	None Detected
77-Map-05 Plaster	Associated Base Plaster	First Floor, D-Side Central Room	None Detected
77-Map-06 Skim Coat	Skim Coat Plaster	First Floor, D-Side Central Room (Over Fireplace)	None Detected
77-Map-06 Plaster	Associated Base Plaster	First Floor, D-Side Central Room (Over Fireplace)	<1% Chrysotile
77-Map-07 Skim Coat	Skim Coat Plaster	First Floor, CD- Corner Room	None Detected
77-Map-07 Plaster	Associated Base Plaster	First Floor, CD- Corner Room	None Detected

¹ Walls are labeled A through D in a clockwise manner, with A wall parallel to the main road or street (in this case, Maple Street)

77-Map-08 Skim Coat	Skim Coat Plaster	First Floor, BC Corner Area	None Detected
77-Map-08 Plaster	Associated Base Plaster	First Floor, BC Corner Area	None Detected
77-Map-09 Skim Coat	Skim Coat Plaster	First Floor, Bathroom (C-Side)	None Detected
77-Map-09 Plaster	Associated Base Plaster	First Floor, Bathroom (C-Side)	None Detected
77-Map-10	Brown Skim Adhesive	First Floor Central Room, Top of Basement Stairs	None Detected
77-Map-11	Window Glazing	First Floor, C-Side Window	None Detected
77-Map-12 Gypsum Wallboard	Gypsum Wallboard	First Floor Central Hallway (Rear)	None Detected
77-Map-12 Joint Compound	Associated Joint Compound	First Floor Central Hallway (Rear)	None Detected
77-Map-13	Linoleum Flooring (Beige Square, Red Flower)	First Floor, CD-Corner Room	None Detected
77-Map-14 Paper	Residual Floor Paper or Mastic on Hardwood Floors	First Floor AB Corner Room	None Detected
77-Map-14 Mastic	Residual Floor Paper or Mastic on Hardwood Floors	First Floor AB Corner Room	None Detected
77-Map-15	White Blown-In Insulation	First Floor, D-Side Central Room (Collected above Ceiling)	None Detected
77-Map-16 Skim Coat	Skim Coat Plaster	Second Floor, A-Side Bathroom	None Detected
77-Map-16 Plaster	Associated Base Plaster	Second Floor, A-Side Bathroom	None Detected
77-Map-17 Tile	Wall Tile	Second Floor, A-Side Bathroom	None Detected
77-Map-17 Adhesive	Wall Tile Adhesive	Second Floor, A-Side Bathroom	None Detected
77-Map-18 Gypsum Wallboard	Gypsum Wallboard	Second Floor, A-Side Bathroom	None Detected
77-Map-18 Joint Compound	Associated Joint Compound	Second Floor, A-Side Bathroom	None Detected
77-Map-19	Gauze Material under Hardwood	Second Floor, AB Corner Room	None Detected

	Floors		
77-Map-20	Residual Floor Paper or Mastic on Hardwood Floors	Second Floor, AB Corner Room	None Detected
77-Map-21 Skim Coat	Skim Coat Plaster	Second Floor, Rear Area	None Detected
77-Map-21 Plaster	Associated Base Plaster	Second Floor, Rear Area	None Detected
77-Map-22 Skim Coat	Skim Coat Plaster	Second Floor, Central Hallway	None Detected
77-Map-22 Plaster	Associated Base Plaster	Second Floor, Central Hallway	None Detected
77-Map-23 Floor Tile	9x9 Black Floor Tile	Second Floor, Top of Rear Stairwell	None Detected
77-Map-23 Mastic	Associated Mastic	Second Floor, Top of Rear Stairwell	None Detected
77-Map-24	Wall Plaster	Third Floor, DA Corner Room	None Detected
77-Map-25 Gypsum Wallboard	Gypsum Wallboard	Third Floor, DA Corner Room	None Detected
77-Map-25 Joint Compound	Associated Joint Compound	Third Floor, DA Corner Room	None Detected
77-Map-26 Plaster	Wall Plaster	Third Floor, Central Hallway	None Detected
77-Map-26 Joint Compound	Associated Joint Compound	Third Floor, Central Hallway	None Detected
77-Map-27	Wall Plaster	Third Floor, Rear Area	None Detected
77-Map-28	Thermal System Insulation Debris	Basement, BC Corner	50% Chrysotile

LIMITATIONS

1. The observations presented in this report were made under the conditions described herein. The conclusions presented in this report were based solely upon the services described in the report and not on scientific tasks or procedures beyond the scope of the project or the time and budgetary constraints imposed by the client. The work described in this report was carried out in accordance with the contract Terms and Conditions.
2. In preparing the report O'Reilly, Talbot, Okun & Associates, Inc. relied on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state or local regulatory agencies at the time of the file review. Although there may have been some degree of overlap in the information provided by these sources, O'Reilly, Talbot, Okun & Associates, Inc. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this assessment.
3. Observations were made of the site and of the structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, we render no opinion as to the presence of asbestos containing materials, lead based paint, or hazardous, or to the presence of indirect information relating to asbestos containing, lead based paint, or hazardous materials in that portion of the site. In addition, we render no opinion as to the presence of asbestos containing, lead based paint, or hazardous materials, where direct observations of portions of the site were obstructed by objects or coverings on or over these surfaces.
4. Unless otherwise specified in the Report, we did not perform testing or analyses to determine the presence or concentration of additional potential hazardous materials, oil, or polychlorinated biphenyls (PCBs) at the site or in the environment at the site.
5. Our report was prepared for the exclusive benefit of our client. Reliance upon the report and its conclusions is not made to third parties or future property owners.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041820077

Customer ID: ENVI07

Customer PO:

Project ID:

Attention: Andy Rolinger
O'Reilly, Talbot & Okun Associates, Inc.
293 Bridge Street
Springfield, MA 01103

Phone: (978) 500-0515

Fax: (413) 788-8830

Received Date: 07/05/2018 9:25 AM

Analysis Date: 07/08/2018 - 07/09/2018

Collected Date:

Project: 720-05-01 Maple Street

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
77-Map-01 <small>041820077-0001</small>	Basement - Flue Packing Material	Gray/Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
77-Map-02 <small>041820077-0002</small>	DA Corner Room - Fireplace 1F - Black Adhesive Material	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-03-Skim Coat <small>041820077-0003</small>	Above Fireplace - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-03-Plaster <small>041820077-0003A</small>	Above Fireplace - Wall - Plaster	Gray Fibrous Homogeneous	8% Synthetic	92% Non-fibrous (Other)	None Detected
77-Map-04-Skim Coat <small>041820077-0004</small>	Above Fireplace - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-04-Plaster <small>041820077-0004A</small>	Above Fireplace - Wall - Plaster	Gray Fibrous Homogeneous	8% Synthetic	92% Non-fibrous (Other)	None Detected
77-Map-05-Skim Coat <small>041820077-0005</small>	1F - Central Room - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-05-Plaster <small>041820077-0005A</small>	1F - Central Room - Wall - Plaster	Gray Fibrous Homogeneous	8% Synthetic	92% Non-fibrous (Other)	None Detected
77-Map-06-Skim Coat <small>041820077-0006</small>	1F - Rear Fireplace - Wall - Skim Coat	White/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-06-Plaster <small>041820077-0006A</small>	1F - Rear Fireplace - Wall - Plaster	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	<1% Chrysotile
77-Map-07-Skim Coat <small>041820077-0007</small>	1F - CD Corner Room - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-07-Plaster <small>041820077-0007A</small>	1F - CD Corner Room - Wall - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-08-Skim Coat <small>041820077-0008</small>	1F - BD Corner Area - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-08-Plaster <small>041820077-0008A</small>	1F - BD Corner Area - Wall - Plaster	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
77-Map-09-Skim Coat <small>041820077-0009</small>	1F - Bathroom - C-Side - Wall - Skim Coat	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-09-Plaster <small>041820077-0009A</small>	1F - Bathroom - C-Side - Wall - Plaster	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected

Initial report from: 07/09/2018 14:37:50



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EMSL Order: 041820077
Customer ID: ENVI07
Customer PO:
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
77-Map-10 <small>041820077-0010</small>	1F - Central - Wall - Skim Adhesive - Brown on Plaster	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-11 <small>041820077-0011</small>	C-Side - Window - Window Glazing	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-12-Gypsum Wallboard <small>041820077-0012</small>	1F - Central Hall Rear - Gypsum Wallboard	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
77-Map-12-Joint Compound <small>041820077-0012A</small>	1F - Central Hall Rear - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-13 <small>041820077-0013</small>	CD Corner Room 1F - Linoleum - Beige Square - Red Flower	Brown/White Fibrous Homogeneous	15% Cellulose 15% Synthetic	70% Non-fibrous (Other)	None Detected
77-Map-14-Paper <small>041820077-0014</small>	1F - On Hardwood Floor - Residual Paper	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
77-Map-14-Mastic <small>041820077-0014A</small>	1F - On Hardwood Floor - Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-15 <small>041820077-0015</small>	White Insulation on Pipes - Fiberglass or Wool	Gray/White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	None Detected
77-Map-16-Skim Coat <small>041820077-0016</small>	2F - Bathroom - A-Side - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-16-Plaster <small>041820077-0016A</small>	2F - Bathroom - A-Side - Wall - Plaster	Gray Fibrous Homogeneous	4% Synthetic	96% Non-fibrous (Other)	None Detected
77-Map-17-Tile <small>041820077-0017</small>	2F - Bathroom - A-Side - Wall Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-17-Adhesive <small>041820077-0017A</small>	2F - Bathroom - A-Side - Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-18-Gypsum Wallboard <small>041820077-0018</small>	2F - Bathroom - A-Side - Gypsum Wallboard	Brown/White Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
77-Map-18-Joint Compound <small>041820077-0018A</small>	2F - Bathroom - A-Side - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-19 <small>041820077-0019</small>	2F - Hardwood Floor - Gauze Material	White Fibrous Homogeneous	95% Synthetic	5% Non-fibrous (Other)	None Detected
77-Map-20 <small>041820077-0020</small>	2F - Floors - Residual Floor Mastic	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
77-Map-21-Skim Coat <small>041820077-0021</small>	2F - Rear Area - Wall - Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-21-Plaster <small>041820077-0021A</small>	2F - Rear Area - Wall - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 07/09/2018 14:37:50



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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
77-Map-22-Skim Coat <small>041820077-0022</small>	2F - Central Hallway - Wall - Skim Coat				Not Submitted
77-Map-22-Plaster <small>041820077-0022A</small>	2F - Central Hallway - Wall - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-23-Floor Tile <small>041820077-0023</small>	2F - Rear Stair - 9x9 Black Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-23-Mastic <small>041820077-0023A</small>	2F - Rear Stair - Black Mastic	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-24 <small>041820077-0024</small>	3F - DA Corner Room - Wall Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-25-Gypsum Wallboard <small>041820077-0025</small>	3F - DA Corner Room - Gypsum Wallboard				Not Submitted
77-Map-25-Joint Compound <small>041820077-0025A</small>	3F - DA Corner Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-26-Plaster <small>041820077-0026</small>	3F - Central Hallway - Wall - Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-26-Joint Compound <small>041820077-0026A</small>	3F - Central Hallway - Wall - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Map-27 <small>041820077-0027</small>	3R - Rear Area - Wall - Plaster	Gray Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
77-Map-28 <small>041820077-0028</small>	Basement - TSI Debris	Gray Fibrous Homogeneous		50% Non-fibrous (Other)	50% Chrysotile

Analyst(s) _____

Frank Dicrescenzo (21)

Matthew Hermann (22)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. 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 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. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 07/09/2018 14:37:50



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041820077

PHONE:
FAX:

Company Name: O'Reilly Talbot & Okun Associates
 Street: 293 Bridge Street, Suite 500
 Zip/Postal Code: 01103 Country: USA
 Report To (Name): Andy Rolinger
 Email Address: rolinger@oto-env.com
 Project Name/Number: 720-05-01 Maple St
 U.S. State Samples Taken: Massachusetts

EMSL Customer ID:
 City: Springfield State/Province: MA
 Telephone #: 978-500-0515 Fax #: 413-788-8830
 Please Provide Results: Fax Email
 Purchase Order:
 EMSL Project ID (Internal Use Only):
 CT Samples: Commercial/Taxable Residential/Tax Exempt

EMSL-Bill to: Same Different - If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check
 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

PCM - Air Check if samples are from NY
 NIOSH 7400
 w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
 PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)
 Point Count
 400 (<0.25%) 1000 (<0.1%)
 Point Count w/Gravimetric
 400 (<0.25%) 1000 (<0.1%)
 NYS 198.1 (friable in NY)
 NYS 198.6 NOB (non-friable-NY)
 NYS 198.8 SOF-V
 NIOSH 9002 (<1%)

TEM - Air 4-4.5hr TAT (AHERA only)
 AHERA 40 CFR, Part 763
 NIOSH 7402
 EPA Level II
 ISO 10312

TEM - Bulk
 TEM EPA NOB
 NYS NOB 198.4 (non-friable-NY)
 Chatfield SOP
 TEM Mass Analysis-EPA 600 sec. 2.5

TEM - Water: EPA 100.2
 Fibers >10µm Waste Drinking
 All Fiber Sizes Waste Drinking

TEM- Dust
 Microvac - ASTM D 5755
 Wipe - ASTM D6480
 Carpet Sonication (EPA 600/193/16)

Soil/Rock/Vermiculite
 PLM EPA 600/R-93/116 with milling (report 0.1%)
 PLM EPA 600/R-93/116 with milling (report 0.25%)
 TEM EPA 600/R-93/116 with milling (report 0.1%)
 TEM Qualitative via Filtration/Rep
 TEM Qualitative via Drop Mount Prep
 Cincinnati Method EPA 600/2-04/004 - PLM/TEM (BC only)

Other:

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18 JUL - 5 AM '18

Check For Positive Stop - Clearly Identify Homogenous Group
 Filter Pore Size (Air Samples): 0.2µm 0.45µm

Samplers Name: Andy Rolinger
 Samplers Signature: *[Signature]*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
77-Map-01	Flue packing material / Basement		
77-Map-02	Black adhesive material, DA corner room fireplace		
77-Map-03	wall plaster/skin on above fireplace		
77-Map-04	wall plaster/skin on above fireplace		
77-Map-05	wall plaster/skin, IF central room		

Client Sample # (s): 77-Map 01 - 77 Map 05 Total # of Samples: 28
 Relinquished (Client): *[Signature]* Date: 7/3/18 Time: 1600
 Received (Lab): *[Signature]* UPS Date: 7/5/18 Time: 925

Comments/Special Instructions:
 * Please analyze plaster/skin, gypsum/joint compound, and tile

2802



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041820077

PHONE:
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
77-Map 06	wall plaster/skin, 1F rear fireplace		
77-Map 07	wall plaster/skin, 1F CDC corner room (addition?)		
77-Map 08	wall plaster/skin, 1F BC corner area		
77-Map 09	wall plaster/skin 1F Bathroom (C-side)		
77-Map 10	Skin adhesive (brown) on plaster wall (1F Central)		
77-Map 11	Window glazing, C-side window		
77-Map 12	Gypsum wallboard/joint compound, 1F Central Hall rear		
77-Map 13	Linoleum (beige square, red flower), CD corner room 1F		
77-Map 14	Residual paper or mastic, 1F on HW floors		
77-Map 15	white insulation on pipes (fiberglass or mineral wool)		
77-Map-16	wall plaster/skin, 2F Bathroom (A-side)		
77-Map-17	wall tile adhesive, 2F Bathroom (A-side)		
77-Map-18	Gypsum wallboard/joint compound, 2F Bathroom (A-side)		
77-Map-19	gauze material under 2F hardwood floors		
77-Map-20	Residual floor mastic, 2F floors		
77-Map-21	wall plaster/skin, 2F rear area		
77-Map-22	wall plaster/skin, 2F Central Hallway		
77-Map-23	9x9 Black floor tile/black mastic, 2F rear stair		
77-Map-24	wall plaster 3F DA corner room		
77-Map-25	Gypsum wallboard/joint compound, 3F DA corner room		
77-Map-26	wall plaster/joint compound, 3F Central Hallway		
77-Map-27	wall plaster, 3F rear area		
77-Map-28	TSI debris, Basement		

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*Comments/Special Instructions:

* please see note, pg. 1