



February 23, 2018

Town of Chilmark
401 Middle Road
Chilmark, MA 02535

RE: FLI Project #: 18-1165
Inspection for Asbestos Containing Materials at
Fire Station at 3 Menemsha Crossroad
Chilmark, MA

Dear Mr. Carroll:

FLI Environmental, Inc. performed an inspection for asbestos containing materials (ACMs) at the property located at the address noted above. This report outlines the initial visual survey, sample collection and summary of analytical results provided by FLI.

Inspection Summary:

A handwritten signature in black ink that reads "Matthew Pelin".

Asbestos Inspector:	Matthew Pelin
License #:	AI900735
Date of Inspection:	February 14, 2018
Total Materials Sampled:	19
Samples Analyzed At:	Asbestos Identification Laboratory, Inc.
NIST/NVLAP Certification#:	200919-0
MassDLS Lab Certification#:	AA000208

Scope and Approach:

FLI provided a state licensed and EPA AHERA accredited asbestos inspector to perform an inspection of the subject area(s). The purpose of the inspection was to identify and sample building materials suspected to contain asbestos. Suspect materials include thermal system insulation, fireproofing, soundproofing, plasters, skimcoating, spray-applied or trowel applied finishes, ceiling & floor tiles, sheet flooring, caulking, glazing, mastics, adhesives, cement board products, roofing materials and numerous other products. Materials having the same function/application, similar color, texture or other observed similar characteristics were grouped together and sampled as one homogeneous material. A minimum of 2 samples of each homogenous material were collected.

Homogeneous materials determined to be non-suspect by the inspector (if observed), include concrete floors, wood flooring/joists, concrete block, black/brown vinyl flexible duct connectors, fiberglass insulation, armaflex (neoprene) insulation, rubber, plastic, ceramic tile, glass and metal.

If present, areas within walls, drywall encased columns and above ceilings were inspected where possible in accessible representative locations. However, each individual enclosed area was not inspected. Accessible areas beneath such surfaces were examined and sampled, and material quantities were estimated based on these observations.

Bulk Sampling:

Bulk samples were collected in a random manner and submitted via chain of custody to the analytical laboratory. The samples were analyzed by Polarized Light Microscopy per EPA Method 600/R-93-116, July 1993. The detection limit of the EPA recommended method is one percent asbestos by weight. Materials containing greater than one percent asbestos are treated as asbestos-containing as required by the EPA. The laboratory is accredited by the National Institute of Standards and Technologies NIST/NVLAP Program and licensed by the Massachusetts Department of Labor Standards (DLS) for asbestos analysis in bulk materials.

Asbestos Containing Materials:

Any homogeneous material having at least one (1) sample analyzed to contain greater than one percent (1%) asbestos is categorized as an asbestos containing material. Any material analyzed to contain any asbestos fibers identified is categorized as an asbestos containing waste material. A summary of materials determined to contain asbestos is provided in Appendix A including approximate location(s) of the material and estimated quantities. Laboratory Analytical Data Sheets for each sample analyzed are included in Appendix C.

Non-Asbestos Containing Materials:

Homogeneous materials where each sample analyzed was determined not to contain asbestos are categorized as non-asbestos. A summary of non-asbestos materials is provided in Appendix B. Laboratory Analytical Data Sheets for each sample analyzed are included in Appendix C.

Remarks and Limitations:

1. Additional suspect materials may be present beneath surfaces (multiple layers) or within chases or crawlspace areas that were unknown or inaccessible at the time of the inspection but may be discovered during demolition, renovation or maintenance activities. Any additional suspect materials not identified in this report that become exposed during building renovation, maintenance or demolition should be sampled and analyzed for asbestos content prior to disturbing.

2. Each identified asbestos containing material must be removed by a licensed asbestos abatement contractor prior to being disturbed by building maintenance, renovation or demolition activities.
3. This report is not meant to be used as an asbestos abatement plan or abatement specification. Material quantities and locations are estimates and approximations and should not be used to obtain pricing from contractors. FLI recommends contracting for abatement after an abatement specification is prepared by a licensed Asbestos Project
4. The boiler was in use during this inspection. Boiler materials should be inspected prior to demolition.
5. Joint compound in the second floor was found to contain asbestos. The quantity listed includes the estimated quantity for gypsum board and joint compound in this area. The gypsum board and joint compound cannot be separated. This requires both materials be considered positive for asbestos.
6. The floor safe and fire hose dryer in the main garage area were not accessible during the time of the inspection. These two items should be inspected prior to demolition if they will remain in the building.

Should you have any questions or need additional information, please contact our office at (781) 251-0040. Thank you for the opportunity to provide you with our services and we look forward to working together in the future.

APPENDIX A

Asbestos Containing Materials Summary Table			
Material	Location	Estimated Quantity	Sample # ('s)
Black Asphalt Roofing	Boiler House Roof	100 SF	1165-05A,B
Exterior Black Putty	Above Right Side Exterior Electrical Meter	1 SF	1165-10A,B
Gray Cement Board	Walls and Ceilings of Garage and Ambulance Bays	7,500 SF	1165-13A,B
Black Metal Sink Undercoating	Second Floor Kitchen	10 SF	1165-15A,B
Gypsum Board and Joint Compound	Second Floor Offices and Kitchen	1,550 SF	1165-19A,B

APPENDIX B

Suspect Materials Found Not to Contain Asbestos				
Sample # ('s)	Material	Sample Location A	Sample Location B	Sample Location C
1165-01A,B	Black Asphalt Roof Shingle	Main Building Roof	Main Building Roof	
1165-02A,B	Black Asphalt Roofing Paper beneath 01A,B	Main Building Roof	Main Building Roof	
1165-03A,B	Black Asphalt Roof Shingle	Ambulance Bay Roof	Ambulance Bay Roof	
1165-04A,B	Black Asphalt Roofing Paper beneath 03A,B	Ambulance Bay Roof	Ambulance Bay Roof	
1165-06A,B	Black Siding Paper	Rear Dividing Wall between Right/Middle Garage Bays	Exterior of Main Building	
1165-07A,B	Exterior Window Glazing	Replacement Windows on Right Side of Main Building	Replacement Windows on Rear Right Side of Main Building	
1165-08A,B	Exterior Window Glazing	Left Side of Ambulance Bay	Left Front Window of Main Building Facing Ambulance Bay	
1165-09A,B	Pressed Board on Ceiling	Exterior Main Building/Ambulance Bay Connector	Exterior Main Building/Ambulance Bay Connector	
1165-11A,B	White Caulking	Around Chalk Board on Front Exterior of Main Building	Around Chalk Board on Front Exterior of Main Building	
1165-12A,B	Black Chalkboard	Front Exterior of Main Building	Front Exterior of Main Building	
1165-14A,B	Gray Caulking	Left Side of Ambulance Bay between Cement Board	Left Side of Ambulance Bay between Cement Board	

APPENDIX B

Suspect Materials Found Not to Contain Asbestos				
Sample # ('s)	Material	Sample Location A	Sample Location B	Sample Location C
1165-16A,B	Gray Faux Pebble Sheet Flooring	Second Floor Office Area	Second Floor Office Area	
1165-17A,B	Faux Red Brick Sheet Flooring	Second Floor Kitchen	Second Floor Kitchen	
1165-18A,B	White Gypsum Board	Second Floor Office Area	Second Floor Office Area	

APPENDIX C

BULK SAMPLE LABORATORY DATA SHEETS



Asbestos Identification Laboratory

165 New Boston St., Ste 227

Woburn, MA 01801

781-932-9600

Web: www.asbestosidentificationlab.com

Email: mikemanning@asbestosidentificationlab.com

Batch:

29794



Lab Code: 200919-0

February 21, 2018

Matthew Pelin
FLI Environmental
69 Bridge Street
Dedham, MA 02026

Project Number: 18-1165

Project Name: Fire Station at 3 Menemsha Crossroad,
Chilmark, MA

Date Sampled: 2018-02-14

Work Received: 2018-02-16

Work Analyzed: 2018-02-20

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

Dear Matthew Pelin,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project .

The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

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

Thank you Matthew Pelin for your business.

Michael Manning
Owner/Director

Matthew Pelin
 FLI Environmental
 69 Bridge Street
 Dedham, MA 02026

Project Number: 18-1165

Project Name: Fire Station at 3 Menemsha Crossroad,
 Chilmark, MA

Date Sampled: 2018-02-14

Work Received: 2018-02-16

Work Analyzed: 2018-02-20

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

FieldID	Material	Location	Color	Non-Asbestos %	Asbestos %
LabID					
1165-01A	Black Asphalt Roof Shingle	Main Building Roof	black	Cellulose 20	None Detected
336536				Non-Fibrous 80	
1165-01B	Black Asphalt Roof Shingle	Main Building Roof	black	Cellulose 20	None Detected
336537				Non-Fibrous 80	
1165-02A	Black Asphalt Roofing Paper Beneath 01A,B	Main Building Roof	black	Cellulose 40	None Detected
336538				Non-Fibrous 60	
1165-02B	Black Asphalt Roofing Paper Beneath 01A,B	Main Building Roof	black	Cellulose 40	None Detected
336539				Non-Fibrous 60	
1165-03A	Black Asphalt Roof Shingle	Ambulance Bay Roof	black	Fiberglass 20	None Detected
336540				Cellulose 10 Non-Fibrous 70	
1165-03B	Black Asphalt Roof Shingle	Ambulance Bay Roof	black	Fiberglass 20	None Detected
336541				Cellulose 10 Non-Fibrous 70	
1165-04A	Black Asphalt Roofing Paper Beneath 03A,B	Ambulance Bay Roof	black	Cellulose 40	None Detected
336542				Non-Fibrous 60	
1165-04B	Black Asphalt Roofing Paper Beneath 03A,B	Ambulance Bay Roof	black	Cellulose 40	None Detected
336543				Non-Fibrous 60	
1165-05A	Black Asphalt Roofing	Boiler House Roof	black	Cellulose 20	Detected Chrysotile 10
336544				Non-Fibrous 70	
1165-05B	Black Asphalt Roofing	Boiler House Roof			Not Analyzed
336545					
1165-06A	Black Siding Paper	Rear Dividing Wall Between Right/Middle Garage Bays	black	Cellulose 40	None Detected
336546				Non-Fibrous 60	
1165-06B	Black Siding Paper	Exterior of Main Building	black	Cellulose 40	None Detected
336547				Non-Fibrous 60	
1165-07A	Exterior Window Glazing	Replacement Windows on Right Side of Main Building	gray	Non-Fibrous 100	None Detected
336548					
1165-07B	Exterior Window Glazing	Replacement Windows on Rear Right Side of Main Building	gray	Non-Fibrous 100	None Detected
336549					

FieldID	Material	Location	Color	Non-Asbestos %	Asbestos %
LabID					
1165-08A	Exterior Window Glazing	Left Side of Ambulance Bay	gray	Non-Fibrous 100	None Detected
336550					
1165-08B	Exterior Window Glazing	Left Front Window of Main Building Facing Ambulance Bay	gray	Non-Fibrous 100	None Detected
336551					
1165-09A	Pressed Board on Ceiling	Exterior Main Building/Ambulance Bay Connector	gray	Cellulose 90 Non-Fibrous 10	None Detected
336552					
1165-09B	Pressed Board on Ceiling	Exterior Main Building/Ambulance Bay Connector	gray	Cellulose 90 Non-Fibrous 10	None Detected
336553					
1165-10A	Exterior Black Putty	Right Side Main Building Above Electrical Meter	gray	Non-Fibrous 70	Detected Chrysotile 30
336554					
1165-10B	Exterior Black Putty	Right Side Main Building Above Electrical Meter			Not Analyzed
336555					
1165-11A	White Caulking	Around Chalkboard on Front Exterior of Main Building	gray	Non-Fibrous 100	None Detected
336556					
1165-11B	White Caulking	Around Chalkboard on Front Exterior of Main Building	gray	Non-Fibrous 100	None Detected
336557					
1165-12A	Black Chalkboard	Front Exterior of Main Building	gray	Non-Fibrous 100	None Detected
336558					
1165-12B	Black Chalkboard	Front Exterior of Main Building	gray	Non-Fibrous 100	None Detected
336559					
1165-13A	Gray Cement Board	Right Garage Bay in Main Building	gray	Non-Fibrous 90	Detected Chrysotile 10
336560					
1165-13B	Gray Cement Board	Left Garage Bay in Main Building			Not Analyzed
336561					
1165-14A	Gray Caulking	Left Side of Ambulance Bay Between Cement Board	gray	Non-Fibrous 100	None Detected
336562					
1165-14B	Gray Caulking	Left Side of Ambulance Bay Between Cement Board	gray	Non-Fibrous 100	None Detected
336563					
1165-15A	Black Metal Sink Undercoating	Second Floor Kitchen	black	Non-Fibrous 95	Detected Chrysotile 5
336564					
1165-15B	Black Metal Sink Undercoating	Second Floor Kitchen			Not Analyzed
336565					
1165-16A	Gray Faux Pebble Sheet Flooring	Second Floor Office Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
336566					
1165-16B	Gray Faux Pebble Sheet Flooring	Second Floor Office Area	multi	Cellulose 20 Non-Fibrous 80	None Detected
336567					

FieldID	Material	Location	Color	Non-Asbestos %		Asbestos %
LabID						
1165-17A	Faux Red Brick Sheet Flooring	Second Floor Kitchen	multi	Cellulose	20	None Detected
336568				Non-Fibrous	80	
1165-17B	Faux Red Brick Sheet Flooring	Second Floor Kitchen	multi	Cellulose	20	None Detected
336569				Non-Fibrous	80	
1165-18A	White Gypsum Board	Second Floor Office Area	multi	Cellulose	10	None Detected
336570				Non-Fibrous	90	
1165-18B	White Gypsum Board	Second Floor Office Area	multi	Cellulose	10	None Detected
336571				Non-Fibrous	90	
1165-19A	White Joint Compound	Second Floor Office Area	gray	Non-Fibrous	98	Detected Chrysotile 2
336572						
1165-19B	White Joint Compound	Second Floor Office Area				Not Analyzed
336573						



FLI Environmental

69 Bridge Street • Dedham • MA • 02026 (781) 251-0040 fax (781) 251-0901

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY RECORD

FLI Project #: 18-1165

Client: Town of Chilmark

Date: 2/14/2018

Site: Fire Station at 3 Menemsha Crossroad

Sampled by: Matthew Pelin

Stop on 1st Positive #

Chilmark, MA

License #: A1900735

Sample # (s)	Material	Location A	Location B	Location C	Asbestos Analysis			Positive (y/n)
					PLM	TEM	Point Count	
1165-01A,B	Black Asphalt Roof Shingle	Main Building Roof	Main Building Roof		x			
1165-02A,B	Black Asphalt Roofing Paper beneath 01A,B	Main Building Roof	Main Building Roof		x			
1165-03A,B	Black Asphalt Roof Shingle	Ambulance Bay Roof	Ambulance Bay Roof		x			
1165-04A,B	Black Asphalt Roofing Paper beneath 03A,B	Ambulance Bay Roof	Ambulance Bay Roof		x			
1165-05A,B	Black Asphalt Roofing	Boiler House Roof	Boiler House Roof		x			
1165-06A,B	Black Siding Paper	Rear Dividing Wall between Right/Middle Garage Bays	Exterior of Main Building		x			
1165-07A,B	Exterior Window Glazing	Replacement Windows on Right Side of Main Building	Replacement Windows on Rear Right Side of Main Building		x			
1165-08A,B	Exterior Window Glazing	Left Side of Ambulance Bay	Left Front Window of Main Building Facing Ambulance Bay		x			
1165-09A,B	Pressed Board on Ceiling	Exterior Main Building/Ambulance Bay Connector	Exterior Main Building/Ambulance Bay Connector		x			
1165-10A,B	Exterior Black Putty	Right Side Main Building above Electrical Meter	Right Side Main Building above Electrical Meter		x			
1165-11A,B	White Caulking	Around Chalk Board on Front Exterior of Main Building	Around Chalk Board on Front Exterior of Main Building		x			
1165-12A,B	Black Chalkboard	Front Exterior of Main Building	Front Exterior of Main Building		x			
1165-13A,B	Gray Cement Board	Right Garage Bay in Main Building	Left Garage Bay in Main Building		x			

Relinquished by: *Matthew Pelin*

2/14/18

Turnaround: Rush 24-Hr 48-Hr

Received by: *Matthew Pelin* 2/14/18

3-Day 4-Day 5-Day

Relinquished by: _____ Date/Time _____

Received by: _____ Date/Time _____

Date Needed

Date/Time



fax (781) 251-0901

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY RECORD

FLI Project #: 18-1165

Date: 2/14/2018

Sampled by: Matthew Pelin

License #: A1900735

[illegible]

Turnaround: Rush 24-Hr 48-Hr

Date/Time

3-Day 4-Day 5-Day

Date/Time

Date Needed

Date/Time

APPENDIX D

LICENSES AND CERTIFICATIONS



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

William D. McKinney,
Director

Asbestos Inspector

MATTHEW PELIN

Eff. Date 04/10/17

Exp. Date 04/10/18

AI900735

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

BOSI BOS-INITIAL

18





THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS
19 STANIFORD STREET, BOSTON, MASSACHUSETTS 02114

CERTIFICATION FOR ASBESTOS ANALYTICAL SERVICES

ASBESTOS IDENTIFICATION LABORATORY
165 NEW BOSTON STREET
SUITE 227
WOBURN MA 01801

LICENSE: **AA000208**

EXPIRES: **Saturday, June 23, 2018**

IN ACCORDANCE WITH MGL CH. 149 § 6B AND 453 CMR 6.08 THIS CERTIFICATE IS ISSUED BY THE DEPARTMENT OF LABOR STANDARDS TO THE ABOVE NAMED ENTITIY TO PROVIDE THE ASBESTOS ANALYTICAL SERVICES SPECIFICALLY LISTED BELOW.

CLASS A CERTIFICATE
CLASS C CERTIFICATE

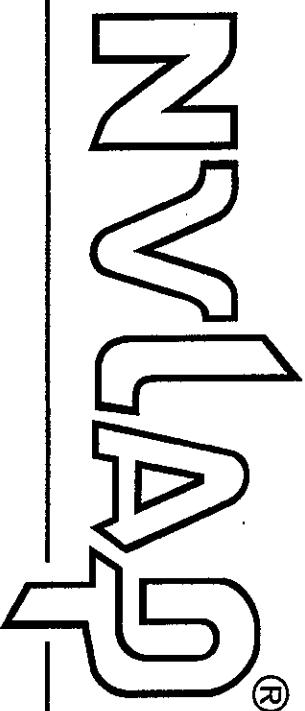
A handwritten signature in cursive script, reading "William D. McKinney".

WILLIAM D. MCKINNEY, DIRECTOR

Mailing Address:

ASBESTOS IDENTIFICATION LABORATORY
165 NEW BOSTON STREET
SUITE 227
WOBURN, MA 01801

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200919-0

Asbestos Identification Laboratory
Woburn, MA

*is accredited by the National Voluntary Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2017-07-01 through 2018-06-30

Effective Dates



[Signature]
For the National Voluntary Laboratory Accreditation Program