



9 Isaac Street  
Norwalk, CT  
06850  
Phone: 203-853-9792  
Fax: 203-853-0273  
[www.brooksenviro.com](http://www.brooksenviro.com)

# ASBESTOS NESHAP INSPECTION

Abandoned House  
33 Route 37  
New Fairfield, Connecticut

May 9, 2016

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Brooks Environmental Consulting was contracted by the Town of New Fairfield, Connecticut to perform an asbestos NESHAP inspection of the abandoned house at 33 Route 37, New Fairfield, CT. The inspection was carried out by Mark Granville (CT licensed asbestos inspector #000009) on April 19 & 20, 2016. Suspect materials were sampled following federal AHERA protocols. Samples were sent to EMSL Analytical, Wallingford, CT for analysis by Polarized Light Microscopy (PLM). Negative results on floor tile were confirmed by Transmission Electron Microscopy (TEM). Sample logs and laboratory reports are attached to the end of this report.

The facility is a two-level wood frame structure with no basement.

The following materials were found to be asbestos-containing materials:

1. Transite shingles on the building exterior.
2. Transite board in the furnace room.
3. Lay-in ceiling panels in the covered patio outside the kitchen.

The following materials were tested and found not to be asbestos-containing material:

1. Brown fiberboard insulation under exterior shingles.
2. Window glazing caulk.
3. Asphalt shingles on roof.
4. Sheetrock on walls and ceilings.
5. Joint compound on wall and ceiling drywall.
6. Self-stick floor tiles in front entry.
7. 12"x12" off-white floor tiles in living room.
8. Adhesive for floor tiles in living room.
9. Red rosin paper in walls.
10. Self-stick floor tiles in kitchen.
11. Tar paper under wood floor.
12. Ceramic tile grout in 2<sup>nd</sup> floor lavatory, East side.
13. Ceramic tile thinset in 2<sup>nd</sup> floor lavatory, East Side.
14. Finish coat and brown coat plaster on metal lathe.
15. Finish coat and brown coat plaster on wood lathe.
16. Self stick floor tile in 2<sup>nd</sup> floor lavatory, West side.
17. Membrane under roof shingles.
18. Tar paper under roof shingles.
19. Kraft paper on fiberglass batt insulation.

The following materials were not considered suspect because of the nature of the material or because of past asbestos abatement activity:

1. Fiberglass batting insulation.

### **LIMITATIONS**

This inspection was limited to building materials associated with the structure. Materials outside the building were not inspected.

Attempts have been made to perform selective and limited demolition to anticipate materials that may be uncovered during renovation work. However, it is not possible to have complete knowledge without complete demolition. Contractors should be instructed to stop work and notify the building owner/operator if a suspect material not listed above is encountered during renovation or demolition work.

## **REGULATORY IMPLICATIONS**

Connecticut *Standards for Asbestos Abatement* require the removal of all asbestos-containing materials before demolition of a structure. The interior materials must be removed by a licensed asbestos contractor using negative pressure containment methods. Requirements for removal of the exterior materials should be determined by a licensed asbestos project designer in consultation with the demolition contractor and the Connecticut Department of Public Health.

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

May 9, 2016

Abandoned House  
33 Route 37  
New Fairfield, Connecticut

Material	Locations/Areas	Type	Amount
Transite shingles	Exterior	II	2160 SF
Transite board	Walls of furnace room on 1 <sup>st</sup> floor	II	179 SF
Lay-in ceiling panels	Ceiling of covered porch outside kitchen	II	100 SF

notes: **Type** refers to friable (F), category I non-friable (I), and category II non-friable (II).  
**Amount** is an estimate of linear feet (LF), square feet (SF), or cubic feet (CF).  
Estimate for exterior shingles is based on wall area and does not include overlap of shingles.

BULK SAMPLE LOG

ASBESTOS ANALYSIS  
POLARIZED LIGHT MICROSCOPY

page 1 of    

**SITE INFORMATION**

name: Abandoned House

address: 33 Sherman New Fairfield Road  
New Fairfield, CT 06812

**INSPECTOR INFORMATION**

name: M. Granville

date: 4/18/16

SAMPLE ID	T	S	M	LOCATION	COMMENTS OR DESCRIPTION
MA160018-2			X	exterior	fiber board under transite
MA160018-3			X	exterior	window caulk
MA160018-4			X	roof	asphalt shingles
MA160018-5			X	walls	sheetrock
MA160018-6			X	walls	joint compound
MA160018-7			X	entry	thin floor-tiles (self stick)
MA160018-8			X	living room	12x12 off-white floor tile
MA160018-9			X	living room	adhesive for 8
MA160018-10			X	boiler room	cement board
MA160018-11			X	lower level East wall	rosin paper in wall
MA160018-12			X	kitchen floor	thin floor-tiles (self stick)
MA160018-13			X	lower level East floor	tar paper
MA160018-14			X	upper level East lavatory	ceramic tile grout
MA160018-15			X	"	ceramic tile thinset
MA160018-16	X			upper level East	plaster on metal lathe
MA160018-17	X			"	plaster on wood lathe
MA160018-18			X	upper level West lavatory	thin floor-tile (self stick)
MA160018-19			X	kitchen porch	lay-in ceiling panels
MA160018-20			X	roof	membrane under shingles
MA160018-21			X	"	tar paper under shingles
MA160018-22			X	exterior	cement board shingles
MA160018-23			X	walls	Kraft paper on FG batting

note: T = thermal system insulation  
S = surfacing material  
M = miscellaneous material



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Tel/Fax: (203) 284-5948 / (203) 284-5978  
http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order: 241601584  
Customer ID: BL50  
Customer PO:  
Project ID:

**Attention:** Mark F. Granville  
Brooks Environmental Consulting, LLC  
9 Isaac Street  
Norwalk, CT 06853  
**Project:** MG160018

**Phone:** (203) 856-3055  
**Fax:** (860) 456-3956  
**Received Date:** 04/22/2016 2:30 PM  
**Analysis Date:** 04/25/2016  
**Collected Date:** 04/18/2016

## 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
2A 241601584-0001	fiber board under shingles	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
2B 241601584-0002	fiber board under shingles	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
3A 241601584-0003	window caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3B 241601584-0004	window caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4A 241601584-0005	roof shingle	Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4B 241601584-0006	roof shingle	Black Fibrous Homogeneous	12% Glass	88% Non-fibrous (Other)	None Detected
5A 241601584-0007	sheetrock	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
5B 241601584-0008	sheetrock	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
5C 241601584-0009	sheetrock	Gray Non-Fibrous Homogeneous	3% Cellulose <1% Glass	97% Non-fibrous (Other)	None Detected
6A 241601584-0010	joint compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
6B 241601584-0011	joint compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
6C 241601584-0012	joint compound	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
7A 241601584-0013	floor tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7B 241601584-0014	floor tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8A 241601584-0015	floor tile	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
8B 241601584-0016	floor tile	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected

Initial Report From: 04/26/2016 10:34:07



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
9A 241601584-0017	adhesive for 8	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
9B 241601584-0018	adhesive for 8	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
10A 241601584-0019	cement board	Gray Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
10B 241601584-0020	cement board				Positive Stop (Not Analyzed)
11A 241601584-0021	red rosin paper	Tan Non-Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
11B 241601584-0022	red rosin paper	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
12A 241601584-0023	floor tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12B 241601584-0024	floor tile	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
13A 241601584-0025	tar paper	Black Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
13B 241601584-0026	tar paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
14A 241601584-0027	grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14B 241601584-0028	grout	White Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
15A 241601584-0029	thinset	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
15B 241601584-0030	thinset	White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
16A-Skim Coat 241601584-0031	plaster on metal lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16A-Base Coat 241601584-0031A	plaster on metal lathe	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
16B-Skim Coat 241601584-0032	plaster on metal lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B-Base Coat 241601584-0032A	plaster on metal lathe	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
16C-Skim Coat 241601584-0033	plaster on metal lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Tel/Fax: (203) 284-5948 / (203) 284-5978  
http://www.EMSL.com / wallingfordlab@emsl.com

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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
16C-Base Coat 241601584-0033A	plaster on metal lathe	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
17A-Skim Coat 241601584-0034	plaster on wood lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17A-Base Coat 241601584-0034A	plaster on wood lathe	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
17B-Skim Coat 241601584-0035	plaster on wood lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17B-Base Coat 241601584-0035A	plaster on wood lathe	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
17C-Skim Coat 241601584-0036	plaster on wood lathe	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17C-Base Coat 241601584-0036A	plaster on wood lathe	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
18A 241601584-0037	floor tile	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
18B 241601584-0038	floor tile	White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
19A 241601584-0039	2x4 lay-in ceiling panels	Gray/White Fibrous Homogeneous	80% Min. Wool	20% Non-fibrous (Other)	<1% Chrysotile
19B 241601584-0040	2x4 lay-in ceiling panels	Gray/White Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	<1% Chrysotile
20A 241601584-0041	roof membrane	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20B 241601584-0042	roof membrane	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21A 241601584-0043	roof tar paper	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
21B 241601584-0044	roof tar paper	Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
22A 241601584-0045	cement board	Gray Fibrous Homogeneous		82% Non-fibrous (Other)	18% Chrysotile
22B 241601584-0046	cement board				Positive Stop (Not Analyzed)
23A 241601584-0047	kraft paper	Brown/Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
23B 241601584-0048	kraft paper	Brown/Black Fibrous Homogeneous	70% Cellulose 10% Glass	20% Non-fibrous (Other)	None Detected

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<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601584

Customer ID: BL50

Customer PO:

Project ID:

Analyst(s)

*Jeremy Patino (24)*

*Kristin Lopez (15)*

*William Shedrawy (13)*

Gloria V. Oriol, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial Report From: 04/26/2016 10:34:07







**EMSL Analytical, Inc.**

29 North Plains Highway, Unit # 4, Wallingford, CT 06492  
Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.EMSL.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601763  
CustomerID: BL50  
CustomerPO:  
ProjectID:

Attn: **Mark F. Granville**  
**Brooks Environmental Consulting, LLC**  
**9 Isaac Street**  
**Norwalk, CT 06853**

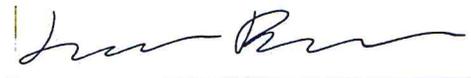
Phone: (203) 853-9792  
Fax:  
Received: 05/04/16 9:40 AM  
Analysis Date: 5/5/2016  
Collected: 4/19/2016

Project: **MG160018**

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19A 241601763-0001	2x4 lay-in ceiling panels	Gray Fibrous Homogeneous		99.00% Non-fibrous (other)	1.00% Chrysotile
19B 241601763-0002	2x4 lay-in ceiling panels	Gray Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile

Analyst(s)  
Jeremy Patino (2)

  
Lauren Brennan, Asbestos Lab Manager  
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.  
Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial report from 05/05/2016 17:11:10



**EMSL Analytical, Inc.**

29 North Plains Highway, Unit # 4, Wallingford, CT 06492  
Phone/Fax: 203-284-5948 / (203) 284-5978  
<http://www.EMSL.com> [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

EMSL Order: 241601763  
CustomerID: BL50  
CustomerPO:  
ProjectID:

Attn: **Mark F. Granville**  
**Brooks Environmental Consulting, LLC**  
**9 Isaac Street**  
**Norwalk, CT 06853**

Phone: (203) 853-9792  
Fax:  
Received: 05/04/16 9:40 AM  
Analysis Date: 5/6/2016  
Collected: 4/18/2016

Project: **MG160018**

**Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM  
via EPA/600/R-93/116 Section 2.5.5.1**

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
8A 241601763-0003	Floor tile	Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
19A 241601763-0004	2x4 lay-in ceiling panels	Non-Fibrous Heterogeneous	100	None	<0.55% Chrysotile

Analyst(s)  

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Lauren Brennan (2)

---

Lauren Brennan, Asbestos Lab Manager  
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.  
Samples analyzed by EMSL Analytical, Inc. Wallingford, CT

Initial report from 05/06/2016 09:04:25