



Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut 06340

www.mysticair.com

maq2@aol.com

800 247-7746

September 21, 2022

Tracey Hanson
Voluntown Town Hall
115 Main Street
PO Box 96
Voluntown, CT 06384

Re: Pre-Demolition Asbestos Survey and Lead TCLP Analysis (9/13/22)
2 Church Street; Voluntown, CT

Dear Tracey:

As requested, Mystic Air Quality Consultants, Inc. conducted a pre-demolition survey of accessible materials at the locations noted above on September 13th, 2022. This survey was conducted by a State of Connecticut licensed asbestos inspector, Deirdre Wells (license #001039) to determine the presence of asbestos-containing materials. The samples were analyzed at Environmental Hazards Services (NVLAP # 101882-0) in Virginia.

In addition to the asbestos survey, a composite or TCLP sample was collected and analyzed for lead to determine if the demolition materials would have to be considered lead waste. The sample analysis was also performed by Environmental Hazards Services.

Summary of the findings-

Upon testing by polarized light microscopy, the following materials were found to be asbestos containing:

<u>Sample #s</u>	<u>Material/Location</u>	<u>Estimated Affected Area</u>
20-23	Transite Siding / Exterior Siding of Old Church	5,000 sq. ft.

Non-asbestos containing materials-

The roster of suspect materials (Enclosure 3), lists the materials tested. Those that are not already referred to as asbestos containing or assumed asbestos, can be categorized as non-asbestos containing materials.

Implications of the findings-

As required by state and federal regulations prior to demolition, all of the asbestos-containing materials will need to be removed by a licensed asbestos abatement contractor employing trained and certified personnel who follow all pertinent asbestos abatement regulations.



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Limitations of the survey-

The survey included destructive testing of floors, wall cavities, and exterior brick and foundation mastics, above ceilings, and roofing core samples. There may be other materials that become evident during your demolition activity. Should the requisite EPA/OSHA competent person working for the contractor discover such materials they will need to be tested for asbestos content so determinations of their abatement and disposal (if required) can be made.

Lead TCLP Analysis results-

The results of the TCLP analysis indicate that the building materials do not need to be disposed of as lead waste. The result of this sample was below the EPA's TCLP standard of 5 mg/L for lead.

Please do not hesitate to contact us with questions relating to the sample results and any subsequent work that may be performed for your company. We thank you for the opportunity to conduct this survey.

Sincerely,

A handwritten signature in cursive script, appearing to read "C. Eident".

Christopher J. Eident CIH, CSP, RS
CEO

- Enclosure 1: Asbestos Lab Results
- Enclosure 2: Chain of Custody
- Enclosure 3: Roster of Suspect Materials
- Enclosure 4: TCLP Analysis & Chain of Custody



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 22-09-02413

Client: Mystic Air Quality Consultants
 1204 North Road Rt.117
 Groton, CT 06340

Received Date: 09/14/2022
Analyzed Date: 09/16/2022
Reported Date: 09/19/2022

Project/Test Address: 2 Church St; Voluntown, CT

Client Number:
 07-2564

Laboratory Results

Fax Number:
 860-449-8860

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-001	1		Off-White Cementitious; Homogenous	NAD	100% Non-Fibrous
22-09-02413-002	2		Off-White Cementitious; Homogenous	NAD	100% Non-Fibrous
22-09-02413-003	3		Off-White Cementitious; Homogenous	NAD	100% Non-Fibrous
22-09-02413-004	4		Off-White Cementitious; Homogenous	NAD	100% Non-Fibrous
22-09-02413-005	5		Off-White Cementitious; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: 2 Church St; Voluntown, CT

Report Number: 22-09-02413

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-006	6		Off-White Brittle to Pliable; Homogenous	NAD	100% Non-Fibrous
22-09-02413-007	7		Off-White Brittle to Pliable; Homogenous	NAD	100% Non-Fibrous
22-09-02413-008	8		Off-White Brittle to Pliable; Homogenous	NAD	100% Non-Fibrous
22-09-02413-009A	9	Linoleum	Red Vinyl-Like; Black Fibrous; Inhomogenous	NAD	30% Cellulose 70% Non-Fibrous
22-09-02413-009B	9	Mastic	Beige Brittle; Homogenous	NAD	3% Cellulose 97% Non-Fibrous
22-09-02413-010A	10	Linoleum	Red Vinyl-Like; Black Fibrous; Inhomogenous	NAD	30% Cellulose 70% Non-Fibrous
22-09-02413-010B	10	Mastic	Beige Brittle; Homogenous	NAD	3% Cellulose 97% Non-Fibrous
22-09-02413-011A	11	Linoleum	Red Vinyl-Like; Black Fibrous; Inhomogenous	NAD	30% Cellulose 70% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: 2 Church St; Voluntown, CT

Report Number: 22-09-02413

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-011B	11	Mastic	Beige Brittle; Homogenous	NAD	3% Cellulose 97% Non-Fibrous
22-09-02413-012	12		Light Gray Cementitious; Homogenous	NAD	5% Cellulose 95% Non-Fibrous
22-09-02413-013	13		Light Gray Cementitious; Homogenous	NAD	5% Cellulose 95% Non-Fibrous
22-09-02413-014	14		Light Gray Cementitious; Homogenous	NAD	5% Cellulose 95% Non-Fibrous
22-09-02413-015	16		Gray Granular; Homogenous	NAD	2% Cellulose 98% Non-Fibrous
22-09-02413-016	17		Dark Brown Brittle; Homogenous	NAD	100% Non-Fibrous
22-09-02413-017	18		Dark Brown Brittle; Homogenous	NAD	100% Non-Fibrous
22-09-02413-018	19		Dark Brown Brittle; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: 2 Church St; Voluntown, CT

Report Number: 22-09-02413

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-019	20		White Brittle Cementitious; Fibers; Homogenous	18% Chrysotile	82% Non-Fibrous
Total Asbestos: 18%					
22-09-02413-020	21			Did Not Analyze (Positive Stop)	
22-09-02413-021	22			Did Not Analyze (Positive Stop)	
22-09-02413-022	23			Did Not Analyze (Positive Stop)	
22-09-02413-023	24		Black Fibrous; Tar-Like; Homogenous	NAD	80% Cellulose 20% Non-Fibrous
22-09-02413-024	25		Black Fibrous; Tar-Like; Homogenous	NAD	80% Cellulose 20% Non-Fibrous
22-09-02413-025	26		Black Fibrous; Tar-Like; Homogenous	NAD	80% Cellulose 20% Non-Fibrous
22-09-02413-026	27		Black Fibrous; Tar-Like; Homogenous	NAD	80% Cellulose 20% Non-Fibrous
22-09-02413-027	28		Black Tar-Like; Fibrous; Gray/Beige Aggregate; Inhomogenous	NAD	12% Fibrous Glass 88% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: 2 Church St; Voluntown, CT

Report Number: 22-09-02413

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-028	29		Black Tar-Like; Fibrous; Gray/Beige Aggregate; Inhomogenous	NAD	15% Fibrous Glass 85% Non-Fibrous
22-09-02413-029	30		Black Tar-Like; Fibrous; Gray/Beige Aggregate; Inhomogenous	NAD	15% Fibrous Glass 85% Non-Fibrous
22-09-02413-030	31		Black Fibrous; Fibrous; Gray Aggregate; Inhomogenous	NAD	15% Cellulose 85% Non-Fibrous
22-09-02413-031	32		Black Tar-Like; Fibrous; Gray Aggregate; Inhomogenous	NAD	15% Cellulose 85% Non-Fibrous
22-09-02413-032	33		Black Tar-Like; Fibrous; Gray Aggregate; Inhomogenous	NAD	15% Cellulose 85% Non-Fibrous
22-09-02413-033	34		Black Tar-Like; Fibrous; Gray Aggregate; Inhomogenous	NAD	20% Cellulose 80% Non-Fibrous
22-09-02413-034	36		Tan Fibrous; White Paint; Homogenous	NAD	95% Cellulose 5% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: 2 Church St; Voluntown, CT

Report Number: 22-09-02413

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-09-02413-035	37		Tan Fibrous; White Paint; Homogenous	NAD	95% Cellulose 5% Non-Fibrous
22-09-02413-036	38		Tan Fibrous; White Paint; Homogenous	NAD	95% Cellulose 5% Non-Fibrous

QC Sample: 52-M12010-4
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020
Analyst: Kay Harris

Reviewed By Authorized Signatory: Melissa Kanode
 Melissa Kanode
 QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected



Environmental Hazards Services, LLC
 www.ehs-lab.com 7469 Whitepine Rd
 (800)347-4010 Richmond, VA
 (804)275-4907 (fax) 23237

Asbestos Chain-of-Custody

22-09-02413



Due Date:
 09/19/2022
 (Monday)
 AE

38 PM

Company Name: Mystic Air Quality Consultants Address: 1204 North Rd., Groton, CT 06340

Phone: 860 449 8903 Fax: 860 449 8903 E-mail: maq2@aol.com

City/State/zip: Groton, Ct. 06340
 Acct. Number: 07-2564
 City/State (required): Vermont, CT
 Mystic Air Client: Town of Vermont

Collected by: Dwell Signature: [Signature]
 Turn around time: Standard One day (will call ahead)

No.	Client's Sample No.	Date Collected	PLM Analysis	Other Analysis Specify	Material Description	Sample Location	Comments
1	1-5	9-13-22	✓	BULK	Plaster	walls	H. Pass. SWP
2	4-8				windows glaze	windows	
3	9-11				red linoleum	entryway floor	
4	*13-15*				Plaster	Ceilings / entryway	
5	14				five cement	Boiler Area	
6	17-19				give doobs	Entryway walls	
7	20-23				wall panels	Ext. Exterior (exerior siding)	
8	24-27				vapor barrier	(under siding)	
9	28-31				Roofing	Churc	
10	32-34				Roofing	Steeple	
11	36-38				Ceiling tiles	Ceilings in church	
12							
13							
14							
15							

Released by: Dwell Signature: [Signature] date: 9/13/22
 Received by: A. Walker Signature: [Signature] date: 9/14/22
 * Samples labeled 12, 13, 14 No 15 rec'd. KMH 9/14/22 1:04pm



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SUSPECT ASBESTOS CONTAINING MATERIALS ROSTER

SITE: 2 Church St.
Voluntown, Ct

DATE: 9-13-22

Demo Pre-Reno Limited&Directed

Sample Numbers	Type of Material	Quantity	Condition	Location of Materials
1-5	plaster	all	D	walls
6-8	Window glaze	≈ 10		windows
9-11	Red linenum	≈ 200ft ²		entryway
13-15	plaster	all		Ceilings
16	fire cement	1 area		Boyer Area
17-19	glue dobs.	entryway		entryway walls
20-23	wall panels	500ft ²		Building Exterior & Back of Bld
24-27	vapor barrier	↓		under Bld exterior wall panels
28-31	Church Roofing materials	↓		Roof on Church
32-34	Roofing materials	300ft ²	↓	Roof on steeple

COMMENTS: (old church)

Inspector: Dwells Page 1 of 1