



Department of Economic and  
Community Development

Connecticut  
still revolutionary

2243 CF

April 21, 2013

Hermia M. Delaire  
Program Manager  
CDBG - Sandy Disaster Recovery Program  
Department of Housing  
505 Hudson Street  
Hartford, CT 06106

received  
4-23-14

Subject: CDBG-DR Review  
Proposed Rehabilitation of  
32 Field Court, Milford, CT

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted for the above-named pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966.

Based on the information provided, the property is not a contributing resource to the proposed Bayshore National Register District. Therefore, the proposed action results in *no historic properties affected*.

For further information please contact me, at (860) 256-2766 or [stacey.vairo@ct.gov](mailto:stacey.vairo@ct.gov).

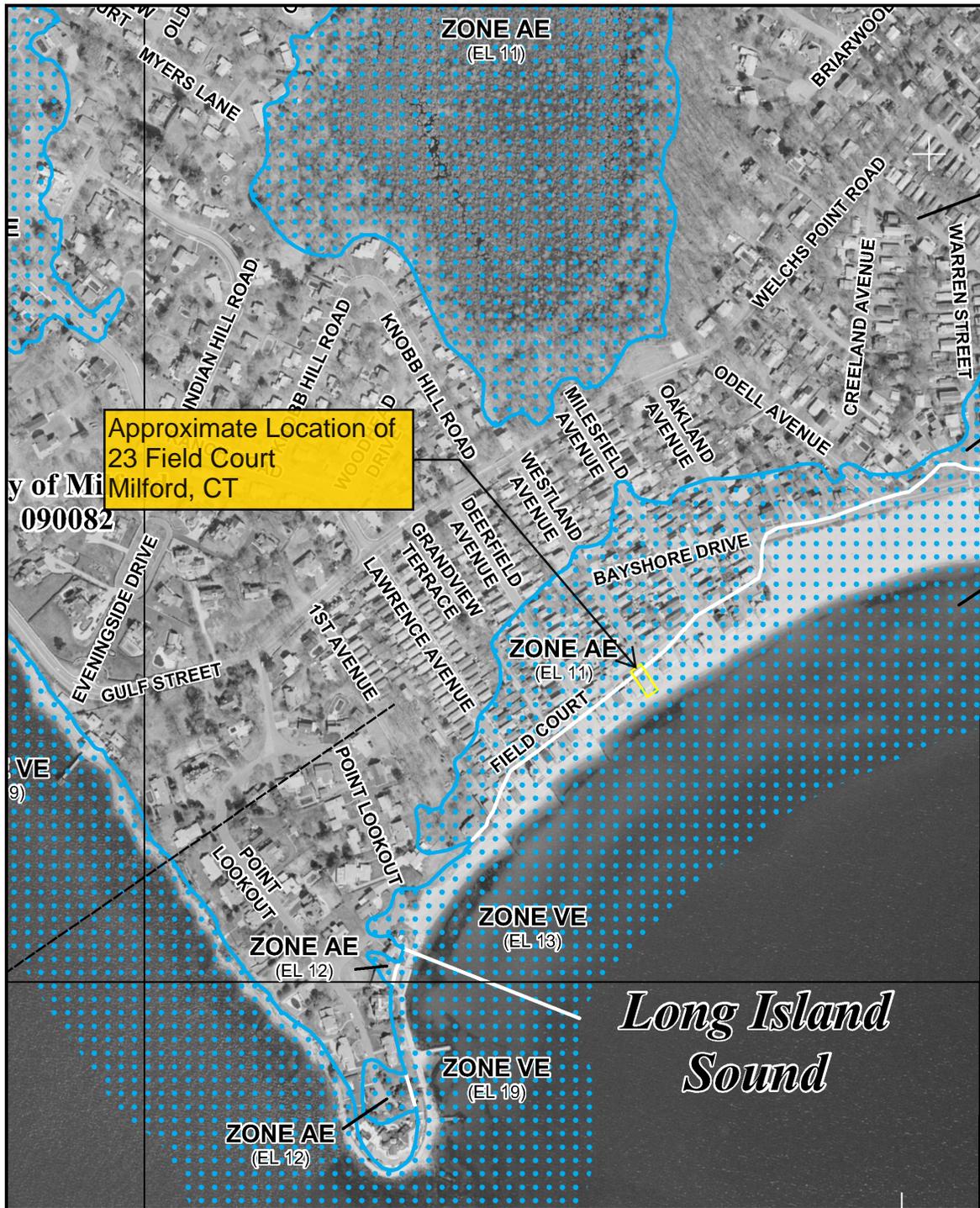
Sincerely,

Stacey Vairo  
Deputy State Historic Preservation Officer

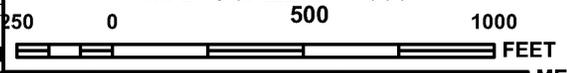
State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | [Cultureandtourism.org](http://Cultureandtourism.org)

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MAP SCALE 1" = 500'



PANEL 0533J

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**NEW HAVEN COUNTY,**  
**CONNECTICUT**  
 (ALL JURISDICTIONS)

PANEL 533 OF 635  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	090082	0533	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



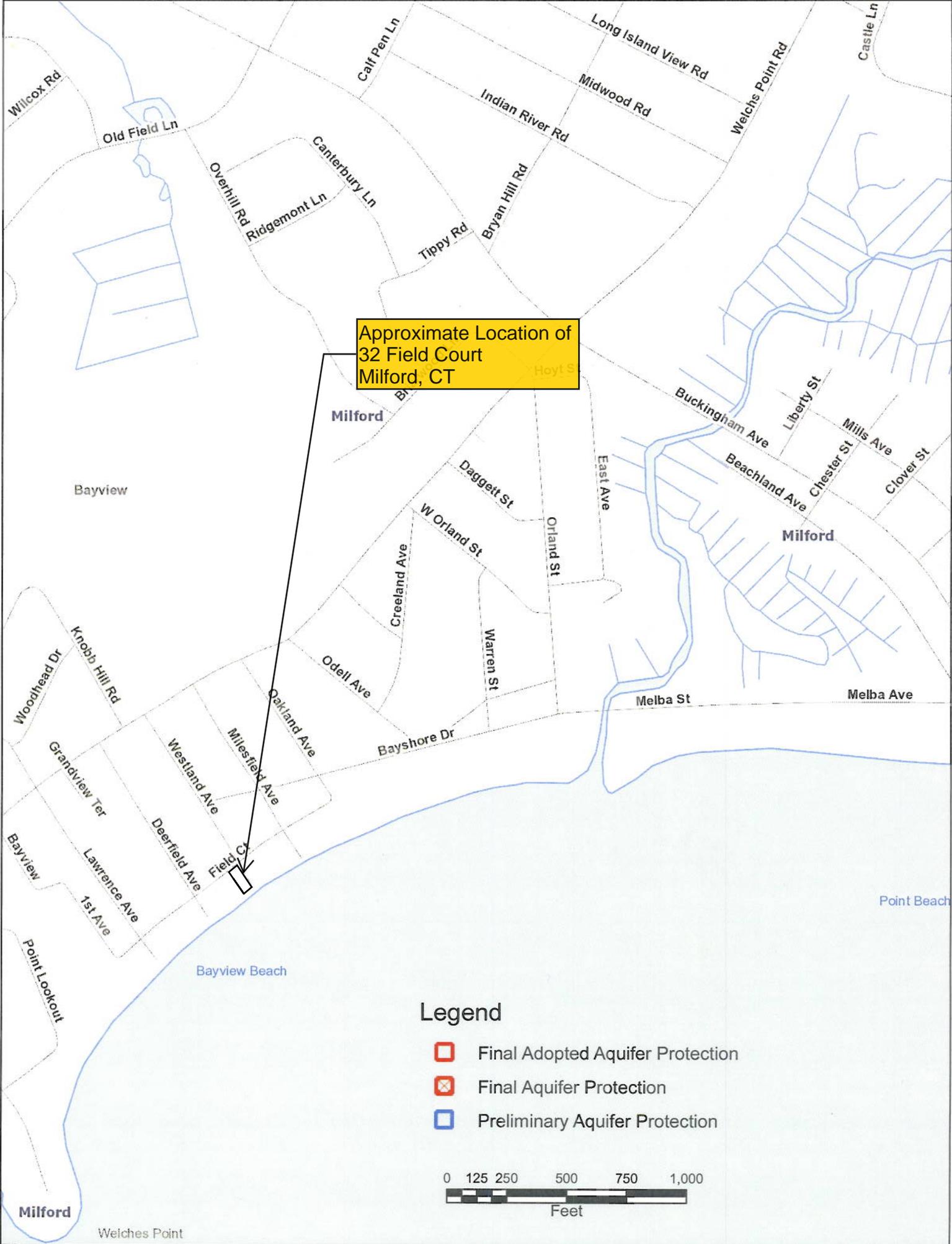
**MAP NUMBER**  
 09009C0533J  
**MAP REVISED**  
 JULY 8, 2013

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

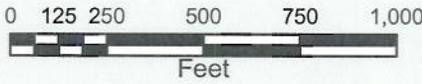
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

Approximate Location of  
32 Field Court  
Milford, CT



### Legend

-  Final Adopted Aquifer Protection
-  Final Aquifer Protection
-  Preliminary Aquifer Protection





# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 COMMERCIAL STREET, SUITE 300  
CONCORD, NH 03301  
PHONE: (603)223-2541 FAX: (603)223-0104  
URL: [www.fws.gov/newengland](http://www.fws.gov/newengland)

Consultation Code: 05E1NE00-2015-SLI-1946

September 08, 2015

Event Code: 05E1NE00-2015-E-02439

Project Name: Englander Residence

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

## To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior  
Fish and Wildlife Service

Project name: Englander Residence

## Official Species List

**Provided by:**

New England Ecological Services Field Office  
70 COMMERCIAL STREET, SUITE 300  
CONCORD, NH 03301  
(603) 223-2541  
<http://www.fws.gov/newengland>

**Consultation Code:** 05E1NE00-2015-SLI-1946

**Event Code:** 05E1NE00-2015-E-02439

**Project Type:** \*\* OTHER \*\*

**Project Name:** Englander Residence

**Project Description:** Raise existing home above the BFE and repair storm damage

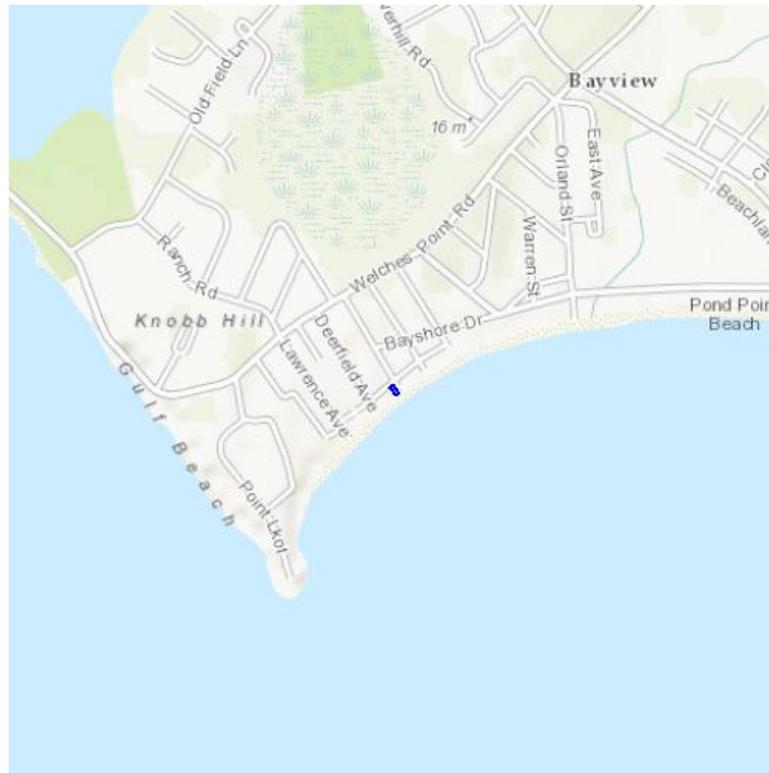
**Please Note:** The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior  
Fish and Wildlife Service

Project name: Englander Residence

### Project Location Map:



**Project Coordinates:** MULTIPOLYGON (((-73.03506553173065 41.205934282868114, -73.03497433662415 41.20597867777626, -73.03513795137405 41.206164328883915, -73.03522109985352 41.20610984437431, -73.03506553173065 41.205934282868114)))

**Project Counties:** New Haven, CT



United States Department of Interior  
Fish and Wildlife Service

Project name: Englander Residence

## Endangered Species Act Species List

There are a total of 3 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	Status	Has Critical Habitat	Condition(s)
Red Knot ( <i>Calidris canutus rufa</i> )	Threatened		
Roseate tern ( <i>Sterna dougallii dougallii</i> ) Population: northeast U.S. nesting pop.	Endangered		
<b>Mammals</b>			
Northern long-eared Bat ( <i>Myotis septentrionalis</i> )	Threatened		



United States Department of Interior  
Fish and Wildlife Service

Project name: Englander Residence

## **Critical habitats that lie within your project area**

There are no critical habitats within your project area.



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

New England Field Office  
70 Commercial Street, Suite 300  
Concord, NH 03301-5087  
<http://www.fws.gov/newengland>

January 7, 2015

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

<http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm> (accessed January 2015)

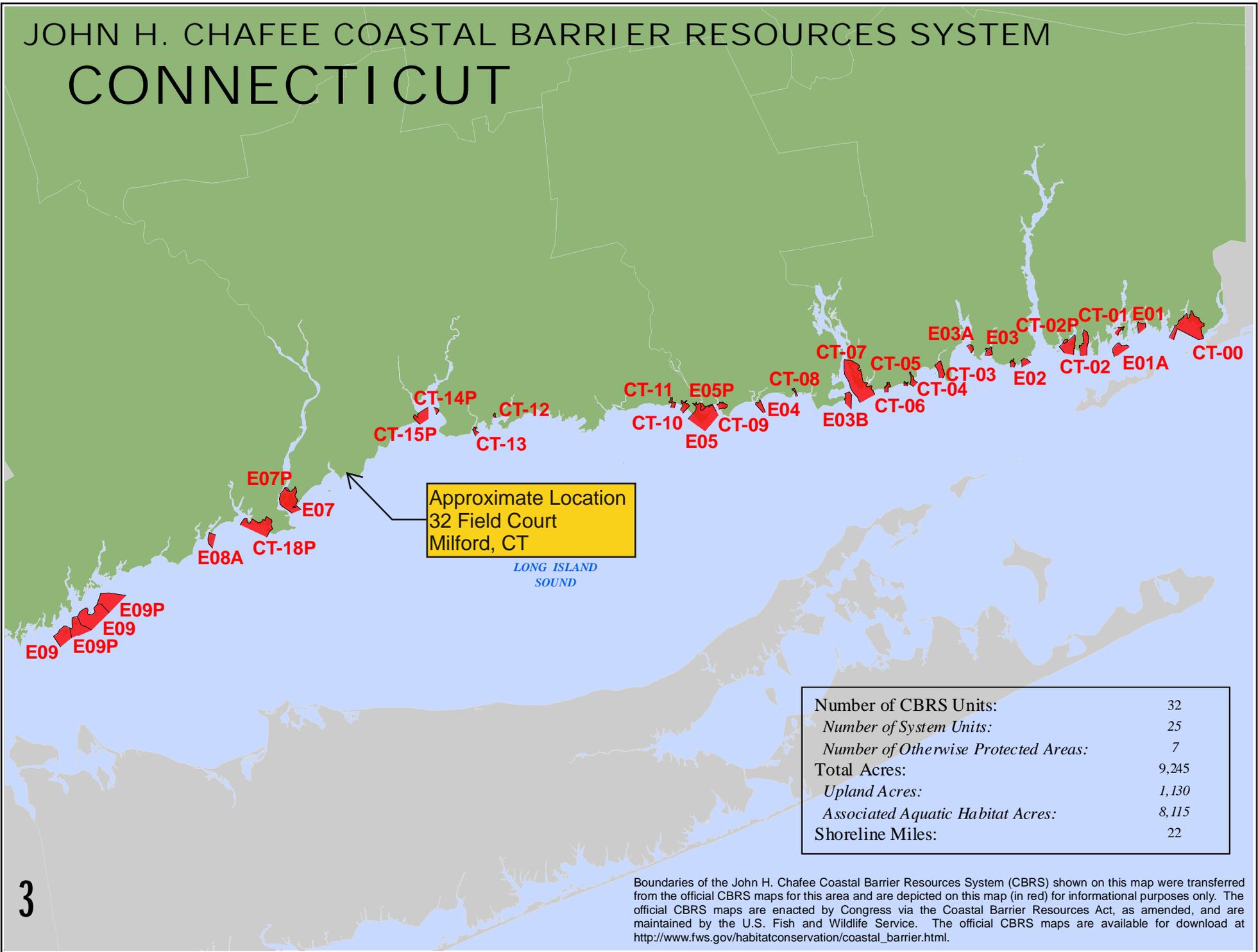
Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman  
Supervisor  
New England Field Office

# JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM CONNECTICUT



Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at [http://www.fws.gov/habitatconservation/coastal\\_barrier.html](http://www.fws.gov/habitatconservation/coastal_barrier.html).



November 5, 2014

Amaya Architects  
284 Racebrook Rd  
Orange, CT 06477

Attn: Rafael Amaya

RE: Hazardous Building Materials Survey for Proposed Renovations  
Location: 32 Field Ct, Milford, CT  
LEA Comm. No. 01MH4.21

Dear Mr. Amaya:

In accordance with our proposal, Loureiro Engineering Associates, Inc (Loureiro) conducted bulk material sampling and analysis of accessible suspect asbestos-containing materials (ACM's), lead-based paint testing and mold inspection in the dwelling located at 32 Field Court, Milford, Connecticut. The purpose of the bulk sampling and analysis was to sample suspect materials prior to the proposed renovation of the site structure.

Please refer to Appendix A through C for analytical results and chain of custody forms.

If you have any questions as you review the report, please contact me at 860-410-2945.

Sincerely,

**LOUREIRO ENGINEERING ASSOCIATES, INC.**

Jamie Roche  
Director, Environmental Services

Enclosures:

- Appendix A Asbestos Laboratory Analysis Data
- Appendix B Lead Paint Results
- Appendix C Mold Laboratory Results
- Appendix D Staff and Laboratory Certifications

## **1.00 INTRODUCTION**

### *1.1 Purpose*

Loureiro was retained by the Amaya Architects to conduct bulk material sampling and analysis of accessible suspect asbestos-containing materials (ACM's), test painted surfaces for lead-based paint and conduct mold testing in the dwelling as needed that may be impacted by the proposed renovation of said dwelling. The Asbestos inspection was completed in accordance with the Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPS) 40 CFR part 61.

### *1.2 Special Terms and Conditions*

Estimated quantities and approximate locations of ACM's as presented were based on the visual observations at the time of the survey. Visual observations were made to determine ACM quantities. Every attempt was made to locate all suspect materials. However, additional materials may be discovered above hard ceilings or behind walls during demolition or renovation. Loureiro performed limited destructive investigation for verification of any additional suspect materials.

Asbestos HVAC seam tape was not applied to all joints and not all ductwork was visible. Additional quantities and locations should be assumed to exist within the ceiling or walls

## **2.0 ASBESTOS INVESTIGATIVE SURVEY**

### *2.1 General Summary*

The site residential structure is a four bedroom, two story house with an apartment unit above the attached garage. The following asbestos survey section presents the survey results, methods, and conclusions based on the survey findings. A summary of material descriptions, locations and quantities are presented in Table 1, below. Laboratory results are found in Appendix A.

### *2.2 Methodology*

As required by the U.S. Occupational Safety & Health Administration (OSHA), the U.S. Environmental Protection Agency (EPA), and the State of Connecticut Department of Public Health (DPH), sampling was performed by an EPA AHERA-accredited and DPH-certified asbestos inspector (see Attachment D). Sampling was done in a manner to prevent airborne fiber release. Samples were placed in appropriately labeled containers that were sealed and submitted to the laboratory for analysis. The samples were submitted for petrographic analysis using the EPA-endorsed Polarized Light Microscopy with Dispersion Staining (PLM/DS) method. The percentage of asbestos present in each sample was determined by the visual area estimation technique.

Samples were collected using a wet technique to prevent airborne fiber release. Each suspect material was sampled using a knife to cut through its entire thickness to ensure that a complete cross section was obtained. The sample was then placed in an appropriately labeled container, which was sealed and submitted to the laboratory for analysis.

Samples were submitted for petrography analysis using the EPA-endorsed Polarized Light Microscopy with Dispersion Staining (PLM/DS) method. The percentage of asbestos present in each sample was determined by the visual area estimation technique.

### 2.3 Results of Sampling and Analysis for Asbestos

The table below illustrates each type of suspect asbestos-containing material identified, whether the materials are classified as ACM or not ACM based upon the analytical results and the bulk sample chain of custody forms:

**Table 1 – ACM Summary**

<b>Sample</b>	<b>Description</b>	<b>Location</b>	<b>Quantity</b>	<b>Results</b>
1a,b,c	<b>White Seam Tape</b>	<b>HVAC Ducts</b>	6 LF/Seam	<b>50% Chrysotile</b>
3a,b,c	Grey Cove Base	Main House		Non-Detect
4a,b,c	Grey Cove Base Mastic	Main House		Non-Detect
5a,b,c	Joint Compound	Main House		Non-Detect
6a,b,c	Sheetrock	Main House		Non-Detect
7a,b,c	Wallpaper	Stairwell		Non-Detect
8a,b,c	Linoleum	Apt above Garage		Non-Detect
9a,b,c	Leveling Compound	Apt above Garage		Non-Detect
10 a,b,c	Linoleum Mastic	Apt above Garage		Non-Detect
11 a,b,c	Brown Cove Base	Apt above Garage		Non-Detect
12a,b,c	Brown Cove Base Mastic	Apt above Garage		Non-Detect
13a,b,c	Tar Paper - Subfloor	Apt above Garage		Non-Detect
14a,b,c	Joint Compound	Apt above Garage		Non-Detect
15a,b,c	Sheetrock	Apt above Garage		Non-Detect
16a,b,c	Wallpaper - Bathroom	Apt above Garage		Non-Detect
17a,b,c	Exterior Window Glazing	Apt above Garage		Non-Detect
18a,b,c	Exterior Window Caulk	Apt above Garage		Non-Detect
19 a,b,c	Shower Caulk	Apt above Garage		Non-Detect
20a,b,c	Shower Tile Grout	Apt above Garage		Non-Detect
21a,b,c	Shower Tile Mastic	Apt above Garage		Non-Detect
22a,b,c	Bathroom Panel Mastic	Apt above Garage		Non-Detect
23a,b,c	Kitchen Wallpaper 1	Main House		Non-Detect
24a,b,c	Kitchen Wallpaper 2	Main House		Non-Detect
25a,b,c	Kitchen Wallpaper 3	Main House		Non-Detect
26a,b,c	Kitchen Linoleum	Main House		Non-Detect
27 a,b,c	Kitchen Linoleum	Main House		Non-Detect

Sample	Description	Location	Quantity	Results
28a,b,c	Cabinet White Tiles	Main House		Non-Detect
29a,b,c	Cabinet White Tiles Mastic	Main House		Non-Detect
30a,b,c	Textured Bathroom Ceiling	Main House		Non-Detect
31a,b,c	Shower Caulking	Main House		Non-Detect
32a,b,c	Shower Tile Grout	Main House		Non-Detect
33a,b,c	Shower Tile Mastic	Main House		Non-Detect
34a,b,c	Kitchen Backsplash Mastic	Main House		Non-Detect
35a,b,c	Kitchen Backsplash Caulk	Main House		Non-Detect
36a,b,c	Joint Compound 2	Main House		Non-Detect
37a,b,c	Sheetrock 2	Main House		Non-Detect
38a,b,c	Textured Ceiling 2	Main House		Non-Detect
41,b,c	Wallpaper Bedroom 4	Main House		Non-Detect
42a	Wall Paper Bedroom1	Main House		Non-Detect
43a	Wall Paper - Stairwell	Main House		Non-Detect
44a,b,c	Bathroom 2 Linoleum	Main House		Non-Detect
45a,b,c	<b>Bathroom 2 Linoleum Bottom Layer</b>	Main House	<b>70 SF</b>	<b>50% Chrysotile</b>
46a,b,c	Bathroom 2 Tile Grout	Main House		Non-Detect
47a,b,c	Bathroom 2 White Cove Base	Main House		Non-Detect
48a,b,c	Bathroom 2 Brown Cove Base	Main House		Non-Detect
49a,b,c	Bathroom 2 Cove Base Mastic	Main House		Non-Detect
50a,b,c	Shower Surround Mastic	Main House		Non-Detect
51a,b,c	Wall Paper Bedroom 2	Main House		Non-Detect
52a,b,c	Hall Wallpaper 2	Main House		Non-Detect
53a,b,c	Exterior Door Caulk	Main House		Non-Detect
54a,b,c	Exterior Window Caulk	Main House		Non-Detect
58a,b,c	Exterior Slider Caulk	Main House		Non-Detect
59a,b,c	Exterior Window Glazing 2	Main House		Non-Detect
60a,b,c	Exterior Siding Caulk	Main House		Non-Detect
61a,b,c	Grey Shingles	Main House		Non-Detect
62a,b,c	Roof Tar Paper	Main House		Non-Detect
63a,b,c	<b>Flashing</b>	<b>Chimney &amp; Skylights</b>	<b>35 SF</b>	<b>10% Chrysotile</b>
64a,b,c	<b>Tar Sealant</b>	<b>Chimney</b>	<b>15 LF</b>	<b>12% Chrysotile</b>



Please refer to the Appendices specific to the building on the site. Laboratory results and chain of custody forms are included.

### 3.0 LEAD-BASED PAINT SURVEY

The Lead-based paint survey was conducted with an XRF direct reading instrument in accordance with the Department of Housing & Urban Development (HUD) testing guidelines. These protocols were developed for residential or day care facilities and were adopted by the Connecticut Childhood Lead Poisoning Prevention Regulations (CLPPR). The Lead-paint report is prepared using the CLPPR threshold of 1 mg/cm<sup>2</sup>. Although most surface paints are reported as below the threshold of 1.0 mg/cm<sup>2</sup>, the instrument recorded a result that indicates lead was present above the CLPPR toxic level of 1.0. mg/cm<sup>2</sup>. Confirmatory paint chip samples were collected. Sample results are found in Appendix B.

The State of Connecticut and the U.S. Department of Housing and Urban Development (HUD) have developed technical guidelines for testing, abatement, cleanup, and disposal of lead-based paint in specific types of buildings such as public and Indian housing, and locations where children below the age of six years old reside. These guidelines define the regulated level of lead paint (Toxic Level of Lead) as paint containing greater than 1.0 milligrams lead per square centimeter (mg/cm<sup>2</sup>) of surface as measured on-site by an X-ray fluorescent analyzer or more than 0.50 percent lead by dry weight as measured by Atomic Absorption Spectrometry (AAS).

For the purposes of this report, all paints containing detectable amounts of lead are considered lead-based paints. This action is taken because OSHA regulates lead in construction based on airborne exposures and it cannot be ensured that lead paint with concentrations of lead less than 1.0 mg/cm<sup>2</sup> or 0.50% mass will not result in exposures exceeding the OSHA standard.

The table 2 illustrates confirmed locations with detectable amounts of lead:

**Table 2 – Lead Paint Results**

Room	Component	Side	Paint Color	Substrate (Condition)	Results
Exterior	House Siding	All	Yellow	Wood/Intact	<0.010%
Exterior	<b>Garage Doors &amp; Shutters</b>	<b>A</b>	<b>Dark Green</b>	Wood/Intact	<b>0.81%</b>
Exterior	Deck & Porch	C	Red	Wood/Intact	<0.012%
All	Baseboards Doors Frames Window Frames	All	White	Wood	<0.011%
Main Floor	Walls Ceilings	All	White	Sheetrock	<0.010%

2 Bedrooms	Walls	All	Yellow	Sheetrock	0.048%
1 Bedroom	Walls	All	Lime Green	Sheetrock	0.041%
Hall	Railings	NA	Blue	Wood	<0.010%
Exterior	Foundation	B,C,D	Grey	Cement	0.020%

#### 4.0 MOLD

Loureiro observed water damage and staining or mold growths on finish materials in the Kitchen, Bathroom and hallway of the dwelling. The impacted surfaces were sampled with a sterile swab and analyzed via direct microscopic examination in order to determine mold type and relative concentration of the mold. The samples were labeled and delivered with a Chain of Custody to EMSL, which is located in Wallingford, CT. The samples were analyzed by direct examination optical microscopy for mold species identification and quantification. EMSL is an AIHA approved Laboratory.

Laboratory testing confirmed the presence of *Alternaria*, *Aspergillus/Penicillium*, *Cladosporium*, and *Ulocladium* molds ranging from low to high concentrations on surfaces. Hyphal or fruiting structures were also present indicating active mold colonies. These mold types along with the presence of hyphal structures, indicates that continued mold growth is likely. *Aspergillus/Penicillium* type mold is often associated with buildings having water or moisture problems. Microbiological growth can produce offensive odors and can produce upper respiratory allergy-like symptoms if it is disturbed and the spores inhaled.

**Table 3 – Mold Summary Results**

Sample No. / Location	Fungi Detected	Fungi Concentration	Comments
Sample 1 Kitchen Pantry Closet	<i>Aspergillus/Penicillium</i> <i>Cladosporium</i> <i>Ulocladium</i>	High High High	Active Colonies Active Colonies Active Colonies
Sample 2 Floor 1 Bathroom	<i>Aspergillus/Penicillium</i> <i>Cladosporium</i>	Medium High	Active Colonies Active Colonies
Sample 3 Floor 2 Hall	<i>Alternaria</i> <i>Aspergillus/Penicillium</i>	High Low	Active Colonies Active Colonies



## 5.0 CONCLUSIONS / RECOMMENDATIONS

In accordance with EPA NESHAPS regulations (40 CFR Part 61), building owners must remove all ACM from a facility (or area of a facility) before any activity begins that would break up, dislodge, or similarly disturb the ACM.

In accordance with the OSHA regulations (29 CFR Part 1926.1101 and 1910.1001), all potential contractors bidding on work must first be informed of the results of this survey. In addition, notification regarding the presence of the ACM must be provided to all employees and tenants who occupy an area containing ACM.

Radon testing was not completed as the structure was open and exposed to general air currents.

In the State of Connecticut, a licensed asbestos abatement contractor must perform all asbestos-related activities, including the renovation/demolition portion of the work that includes asbestos. Disturbance of asbestos-containing material can only be done by trained and licensed individuals. It should be noted that the State of Connecticut regulations governing asbestos abatement does not distinguish between friable and non-friable material. Therefore, full containment procedures are required for any interior abatement work (removal, encapsulation, or enclosure) involving both Category I and/or Category II non-friable asbestos-containing materials.

All materials identified as negative for asbestos may be removed at will and disposed of as standard construction debris as long as they do not impact or disturb identified asbestos materials.

Asbestos containing materials that will be impacted by renovation activities, as well as estimated abatement costs, are as follows:

ACM Material	Quantity	Per unit abatement cost estimate	Total Abatement Cost
HVAC Duct Seam Tape)	Unknown (est.50+)	\$100 ea	\$ 5000.00
Exterior Flashings/Tar	35 SF.	\$25	\$ 875.00
Linoleum	70 SF	\$10	\$ 700.00
		<b>Sub-Total</b>	<b>\$6,575.00</b>
Consulting Fees at 20%			\$2,000.00
<b>TOTAL</b>		<b>\$8,575.00</b>	



Per the HUD and Connecticut regulations Toxic Levels of lead-paint (>1.0 mg/cm<sup>2</sup> or >0.5% by weight) were identified in the dwelling. Measurable levels of lead were detected in painted surfaces. OSHA regulations require personal protective equipment (PPE) or proper engineering controls for procedures such as dry scraping or sanding that may generate lead emissions. Loureiro recommends wet sanding or the use of local exhaust ventilation with High Efficiency Particulate Air (HEPA) filtration during preparation procedures prior to repainting should any lead-paint be disturbed during renovation.

During any renovation or demolition process, safe work procedures must be implemented by properly (lead-paint) trained workers employed by contractors to address worker protection, lead exposure controls, waste stream management, and ambient air quality monitoring. Specifically, contractors will be required to comply with all applicable OSHA regulations including 29 CFR 1926.62, "Lead Exposure in Construction: Interim Final Rule" and 29 CFR 1926.59, "Hazard Communication for the Construction Industry". In addition, pre-disposal lead-waste testing requirements must be complied with.

Toxic levels of lead as defined by HUD in painted components that may be impacted by renovation activities, as well as the estimated abatement costs, are as follows:

Lead-Painted Components	Quantity	Per unit abatement cost estimate	Total Abatement Cost
Exterior Garage Doors & Shutters	220 SF	\$8	\$ 1,760
		Sub-Total	\$ 1,760
Consulting Fees			\$ 600
<b>TOTAL</b>		<b>\$ 2,360</b>	

Mold was observed on the sheetrock finish materials in the living area. Most surfaces are showing mold and may become untreatable as reconstruction starts. Finish materials and components will need to be re-evaluated to determine if they need to be demolished. Removal of the walls may uncover concealed mold growths on wood studs which may also have to be treated.

Loureiro recommends contracting a qualified mold remediation contractor to remove all mold affected surfaces and treatment of structural studs, headers, etc. prior to renovations.

Mold Contaminated Walls	Quantity	Per unit demo cost estimate	Total Abatement Cost
All Walls Both Floors	10,000 SF	\$ 0.5	\$5000

Appendix A  
Asbestos Lab Results



# EMSL Analytical, Inc.

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EMSL Order: 241404234  
 CustomerID: LOUR62  
 CustomerPO:  
 ProjectID:

Attn: **Jamie Roche**  
**Loureiro Engineering Associates, Inc.**  
**100 Northwest Drive**  
**Plainville, CT 06062**

Phone: (860) 747-6181  
 Fax: (860) 747-8822  
 Received: 10/23/14 10:00 AM  
 Analysis Date: 10/27/2014  
 Collected: 10/17/2014

Project: **01MH4.21**

## 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
1a 241404234-0001	White duct tape in garage on HVAC	Gray Fibrous Homogeneous	35% Cellulose	15% Non-fibrous (other)	50% Chrysotile
1b 241404234-0002	White duct tape in garage on HVAC				Stop Positive (Not Analyzed)
1c 241404234-0003	White duct tape in garage on HVAC				Stop Positive (Not Analyzed)
3a 241404234-0004	Cove base grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3b 241404234-0005	Cove base grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3c 241404234-0006	Cove base grey	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
4a 241404234-0007	Cove base mastic	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
4b 241404234-0008	Cove base mastic	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
4c 241404234-0009	Cove base mastic	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)  
 Kristin Lopez (68) William Shedrawy (71)  
 Lauren Brennan (16)

  
 Gloria V. Oriol, Laboratory Manager  
 or other approved signatory

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Initial report from 10/27/2014 10:37:31

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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
5a 241404234-0010	Joint compound fourer/stairwell	White Non-Fibrous Homogeneous	<1% Cellulose	20% Ca Carbonate 80% Non-fibrous (other)	None Detected
5b 241404234-0011	Joint compound fourer/stairwell	White Non-Fibrous Homogeneous	<1% Cellulose	25% Ca Carbonate 75% Non-fibrous (other)	None Detected
5c 241404234-0012	Joint compound fourer/stairwell	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
6a 241404234-0013	Sheetrock fourer/stairwell	White Non-Fibrous Homogeneous	5% Cellulose	30% Gypsum 65% Non-fibrous (other)	None Detected
6b 241404234-0014	Sheetrock fourer/stairwell	White Non-Fibrous Homogeneous	7% Cellulose	35% Gypsum 58% Non-fibrous (other)	None Detected
6c 241404234-0015	Sheetrock fourer/stairwell	White Fibrous Homogeneous	5% Cellulose	35% Gypsum 60% Non-fibrous (other)	None Detected
7a 241404234-0016	Wall paper fouier/stairwell - tan w/wheat	White Fibrous Homogeneous	30% Cellulose 5% Synthetic	65% Non-fibrous (other)	None Detected
7b 241404234-0017	Wall paper fouier/stairwell - tan w/wheat	White Fibrous Homogeneous	25% Cellulose 10% Synthetic	65% Non-fibrous (other)	None Detected

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Lauren Brennan (16)

Gloria V. Oriol, Laboratory Manager  
or other approved signatory

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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
8a 241404234-0018	Linoleum floor upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
8b 241404234-0019	Linoleum floor upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
8c 241404234-0020	Linoleum floor upstairs apt	White Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
9a 241404234-0021	Leveling compound under linoleum	Tan Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
9b 241404234-0022	Leveling compound under linoleum	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
9c 241404234-0023	Leveling compound under linoleum	Tan Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
10a 241404234-0024	Mastic under linoleum upstairs apt	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
10b 241404234-0025	Mastic under linoleum upstairs apt	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10c 241404234-0026	Mastic under linoleum upstairs apt	Brown Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
11a 241404234-0027	Brown cove base in upstairs apt	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11b 241404234-0028	Brown cove base in upstairs apt	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11c 241404234-0029	Brown cove base in upstairs apt	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12a 241404234-0030	Brown cove base mastic upstairs apt	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
12b 241404234-0031	Brown cove base mastic upstairs apt	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
12c 241404234-0032	Brown cove base mastic upstairs apt	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
13a 241404234-0033	Black tar paper in subfloor of - upstairs apt	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

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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
13b 241404234-0034	Black tar paper in subfloor of - upstairs apt	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
13c 241404234-0035	Black tar paper in subfloor of - upstairs apt	Brown Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected
14a 241404234-0036	Joint compound upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
14b 241404234-0037	Joint compound upstairs apt	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
14c 241404234-0038	Joint compound upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
15a 241404234-0039	Sheetrock upstairs apt	White Fibrous Homogeneous	<1% Cellulose	35% Gypsum 65% Non-fibrous (other)	None Detected
15b 241404234-0040	Sheetrock upstairs apt	White Fibrous Homogeneous	2% Cellulose	35% Gypsum 63% Non-fibrous (other)	None Detected
15c 241404234-0041	Sheetrock upstairs apt	White Non-Fibrous Homogeneous	2% Cellulose	30% Gypsum 68% Non-fibrous (other)	None Detected

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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
16a 241404234-0042	Wall paper upstairs apt - bathroom (silver w ferns)	White Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
16b 241404234-0043	Wall paper upstairs apt - bathroom (silver w ferns)	White Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
16c 241404234-0044	Wall paper upstairs apt - bathroom (silver w ferns)	White Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
17a 241404234-0045	Exterior window glazing - upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
17b 241404234-0046	Exterior window glazing - upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
17c 241404234-0047	Exterior window glazing - upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
18a 241404234-0048	Exterior window caulk - upstairs apt	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
18b 241404234-0049	Exterior window caulk - upstairs apt	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

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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
18c 241404234-0050	Exterior window caulk - upstairs apt	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19a 241404234-0051	Shower basin caulk - upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
19b 241404234-0052	Shower basin caulk - upstairs apt	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19c 241404234-0053	Shower basin caulk - upstairs apt	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20a 241404234-0054	Upstairs apt shower tile grout - white	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20b 241404234-0055	Upstairs apt shower tile grout - white	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20c 241404234-0056	Upstairs apt shower tile grout - white	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
21a 241404234-0057	Upstairs apt shower tile mastic - brown	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
21b 241404234-0058	Upstair apt shower tile mastic - brown	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
21c 241404234-0059	Upstair apt shower tile mastic - brown	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
22a 241404234-0060	Upstair apt bathroom paneling - brown mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
22b 241404234-0061	Upstair apt bathroom paneling - brown mastic	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	<b>None Detected</b>
22c 241404234-0062	Upstair apt bathroom paneling - brown mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
23a 241404234-0063	Kitchen wallpaper brown plaid	Brown Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	<b>None Detected</b>
23b 241404234-0064	Kitchen wallpaper brown plaid	Brown Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	<b>None Detected</b>
24a 241404234-0065	Kitchen wallpaper white with - flowers	Green Non-Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	<b>None Detected</b>

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24b 241404234-0066	Kitchen wallpaper white with - flowers	White/Green Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
25a 241404234-0067	Kitchen wallpaper white with - mixed 3d patterns	White Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
25b 241404234-0068	Kitchen wallpaper white with - mixed 3d patterns	White Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
26a 241404234-0069	Kitchen linoleum brown/grey - tile look	Gray/Tan Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
26b 241404234-0070	Kitchen linoleum brown/grey - tile look	Gray/Tan Non-Fibrous Homogeneous	3% Glass	97% Non-fibrous (other)	None Detected
26c 241404234-0071	Kitchen linoleum brown/grey - tile look	Gray/Tan Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
27a 241404234-0072	Kitchen linoleum mastic	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
27b 241404234-0073	Kitchen linoleum mastic	Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

Analyst(s)  
 Kristin Lopez (68)                      William Shedrawy (71)  
 Lauren Brennan (16)

  
 Gloria V. Oriol, Laboratory Manager  
 or other approved signatory

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EMSL Order:	241404234
CustomerID:	LOUR62
CustomerPO:	
ProjectID:	

Attn: **Jamie Roche**  
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 Analysis Date: 10/27/2014  
 Collected: 10/17/2014

Project: 01MH4.21

## 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
27c 241404234-0074	Kitchen linoleum mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
28a 241404234-0075	Kitchen linoleum under cabinet - white tile look	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
28b 241404234-0076	Kitchen linoleum under cabinet - white tile look	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
28c 241404234-0077	Kitchen linoleum under cabinet - white tile look	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
29a 241404234-0078	Mastic (brown) under white - linoleum in kitchen	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
29b 241404234-0079	Mastic (brown) under white - linoleum in kitchen	Brown Non-Fibrous Homogeneous	2% Cellulose <1% Synthetic	98% Non-fibrous (other)	None Detected
29c 241404234-0080	Mastic (brown) under white - linoleum in kitchen	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
30a 241404234-0081	Textured surfacing on downstairs - bathroom ceiling	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected

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 Lauren Brennan (16)

  
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Project: 01MH4.21

## 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
30b 241404234-0082	Textured surfacing on downstairs - bathroom ceiling	White Non-Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
30c 241404234-0083	Textured surfacing on downstairs - bathroom ceiling	White Non-Fibrous Homogeneous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (other)	None Detected
31a 241404234-0084	Clear silicone caulk in - downstairs shower	Clear Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
31b 241404234-0085	Clear silicone caulk in - downstairs shower	Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
31c 241404234-0086	Clear silicone caulk in - downstairs shower	Clear Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
32a 241404234-0087	Downstairs shower tile grout	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (other)	None Detected
32b 241404234-0088	Downstairs shower tile grout	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (other)	None Detected
32c 241404234-0089	Downstairs shower tile grout	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

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EMSL Order:	241404234
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Attn: <b>Jamie Roche</b> <b>Loureiro Engineering Associates, Inc.</b> <b>100 Northwest Drive</b> <b>Plainville, CT 06062</b>	Phone: (860) 747-6181 Fax: (860) 747-8822 Received: 10/23/14 10:00 AM Analysis Date: 10/27/2014 Collected: 10/17/2014
Project: <b>01MH4.21</b>	

## 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
33a 241404234-0090	Downstairs shower tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
33b 241404234-0091	Downstairs shower tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
33c 241404234-0092	Downstairs shower tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
34a 241404234-0093	Kitchen 4"x4" backsplash - tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
34b 241404234-0094	Kitchen 4"x4" backsplash - tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
34c 241404234-0095	Kitchen 4"x4" backsplash - tile mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
35a 241404234-0096	Kitchen 4"x4" backsplash - white caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
35b 241404234-0097	Kitchen 4"x4" backsplash - white caulk	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)  
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 Lauren Brennan (16)

  
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Attn: **Jamie Roche**  
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Project: 01MH4.21

## 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
35c 241404234-0098	Kitchen 4"x4" backsplash - white caulk	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
36a 241404234-0099	Kitchen (near bathroom) - joint compound	White Non-Fibrous Homogeneous	<1% Cellulose	45% Ca Carbonate 55% Non-fibrous (other)	None Detected
36b 241404234-0100	Kitchen (near bathroom) - joint compound	White Non-Fibrous Homogeneous	<1% Cellulose	40% Ca Carbonate 60% Non-fibrous (other)	None Detected
36c 241404234-0101	Kitchen (near bathroom) - joint compound	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (other)	None Detected
37a 241404234-0102	Kitchen sheetrock (near bathroom)	White Non-Fibrous Homogeneous	5% Cellulose <1% Glass	30% Gypsum 65% Non-fibrous (other)	None Detected
37b 241404234-0103	Kitchen sheetrock (near bathroom)	White Non-Fibrous Homogeneous	6% Cellulose <1% Glass	30% Gypsum 64% Non-fibrous (other)	None Detected
37c 241404234-0104	Kitchen sheetrock (near bathroom)	White Fibrous Homogeneous	3% Cellulose	35% Gypsum 62% Non-fibrous (other)	None Detected
38a 241404234-0105	Textured ceiling upstairs	White Non-Fibrous Homogeneous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (other)	None Detected

Analyst(s)  
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 Lauren Brennan (16)

Gloria V. Oriol, Laboratory Manager  
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Project: 01MH4.21

## 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
38b 241404234-0106	Textured ceiling upstairs	White Non-Fibrous Homogeneous	<1% Cellulose	60% Ca Carbonate 40% Non-fibrous (other)	None Detected
38c 241404234-0107	Textured ceiling upstairs	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (other)	None Detected
41a 241404234-0108	Wall paper in bedroom 4	White Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
41b 241404234-0109	Wall paper in bedroom 4	White Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
42 241404234-0110	Wall paper in bedroom 1	Various Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
43 241404234-0111	Wall paper in stairwell - upstairs halls	White Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
44a 241404234-0112	Bathroom linoleum upstairs white	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
44b 241404234-0113	Bathroom linoleum upstairs white	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

## Analyst(s)

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William Shedrawy (71)

Lauren Brennan (16)

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Project: **01MH4.21**

## 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
44c 241404234-0114	Bathroom linoleum upstairs white	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
45a 241404234-0115	Bathroom linoleum upstairs - under white	Various Fibrous Homogeneous	10% Cellulose	65% Non-fibrous (other)	25% Chrysotile
This is a composite result of vinyl and backing layers.					
45b 241404234-0116	Bathroom linoleum upstairs - under white				Stop Positive (Not Analyzed)
45c 241404234-0117	Bathroom linoleum upstairs - under white				Stop Positive (Not Analyzed)
46a 241404234-0118	Upstairs bathroom 1" tile grout	Gray Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (other)	None Detected
46b 241404234-0119	Upstairs bathroom 1" tile grout	Gray Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (other)	None Detected
46c 241404234-0120	Upstairs bathroom 1" tile grout	Gray Non-Fibrous Homogeneous	<1% Cellulose	25% Quartz 75% Non-fibrous (other)	None Detected
47a 241404234-0121	Upstairs bathroom white cove base	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Project: **01MH4.21**

## 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
47b 241404234-0122	Upstairs bathroom white cove base	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
47c 241404234-0123	Upstairs bathroom white cove base	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
48a 241404234-0124	Upstairs bathroom brown cove base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
48b 241404234-0125	Upstairs bathroom brown cove base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
48c 241404234-0126	Upstairs bathroom brown cove base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
49a 241404234-0127	Upstairs bathroom cove base - mastic (brown)	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
49b 241404234-0128	Upstairs bathroom cove base - mastic (brown)	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
49c 241404234-0129	Upstairs bathroom cove base - mastic (brown)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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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
50a 241404234-0130	Upstairs bathroom fiberglass - shower walls mastic (brown)	Brown Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other) <b>None Detected</b>
50b 241404234-0131	Upstairs bathroom fiberglass - shower walls mastic (brown)	Brown Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other) <b>None Detected</b>
50c 241404234-0132	Upstairs bathroom fiberglass - shower walls mastic (brown)	Brown Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other) <b>None Detected</b>
51a 241404234-0133	Bedroom #2 wallpaper - (gold with flowers)	Gold Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other) <b>None Detected</b>
51b 241404234-0134	Bedroom #2 wallpaper - (gold with flowers)	Gold Fibrous Homogeneous	98%	Cellulose	2% Non-fibrous (other) <b>None Detected</b>
52a 241404234-0135	Upstairs hallways, wallpaper - second layer (orange, yellow, brn stripes)	Orange Fibrous Homogeneous	65%	Cellulose	35% Non-fibrous (other) <b>None Detected</b>
52b 241404234-0136	Upstairs hallways, wallpaper - second layer (orange, yellow, brn stripes)	Orange Non-Fibrous Homogeneous	55%	Cellulose	45% Non-fibrous (other) <b>None Detected</b>

Analyst(s)  
 Kristin Lopez (68)                      William Shedrawy (71)  
 Lauren Brennan (16)

  
 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 10/27/2014 10:37:31

**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:	241404234
CustomerID:	LOUR62
CustomerPO:	
ProjectID:	

Attn: **Jamie Roche**  
**Loureiro Engineering Associates, Inc.**  
**100 Northwest Drive**  
**Plainville, CT 06062**

Phone: (860) 747-6181  
 Fax: (860) 747-8822  
 Received: 10/23/14 10:00 AM  
 Analysis Date: 10/27/2014  
 Collected: 10/17/2014

Project: **01MH4.21**

## 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
53a 241404234-0137	White caulk exterior door - west side	White Non-Fibrous Homogeneous	<1% Cellulose <1% Fibrous (other)	100% Non-fibrous (other)	None Detected
53b 241404234-0138	White caulk exterior door - west side	White Non-Fibrous Homogeneous	<1% Cellulose <1% Fibrous (other)	100% Non-fibrous (other)	None Detected
53c 241404234-0139	White caulk exterior door - west side	White Non-Fibrous Homogeneous	<1% Fibrous (other)	100% Non-fibrous (other)	None Detected
54a 241404234-0140	White caulk exterior windows - west side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
54b 241404234-0141	White caulk exterior windows - west side	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
54c 241404234-0142	White caulk exterior windows - west side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
58a 241404234-0143	Caulk (white) sliding door - east side	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
58b 241404234-0144	Caulk (white) sliding door - east side	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s) \_\_\_\_\_

Kristin Lopez (68)

William Shedrawy (71)

Lauren Brennan (16)

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 10/27/2014 10:37:31



# EMSL Analytical, Inc.

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

EMSL Order: 241404234  
 CustomerID: LOUR62  
 CustomerPO:  
 ProjectID:

Attn: **Jamie Roche**  
**Loureiro Engineering Associates, Inc.**  
**100 Northwest Drive**  
**Plainville, CT 06062**

Phone: (860) 747-6181  
 Fax: (860) 747-8822  
 Received: 10/23/14 10:00 AM  
 Analysis Date: 10/27/2014  
 Collected: 10/17/2014

Project: **01MH4.21**

## 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
58c 241404234-0145	Caulk (white) sliding door - east side	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
59a 241404234-0146	Small windows upstairs - (glazing)	White Non-Fibrous Homogeneous	<1% Cellulose <1% Fibrous (other)	100% Non-fibrous (other)	None Detected
59b 241404234-0147	Small windows upstairs - (glazing)	White Non-Fibrous Homogeneous	<1% Cellulose <1% Fibrous (other)	100% Non-fibrous (other)	None Detected
59c 241404234-0148	Small windows upstairs - (glazing)	White Non-Fibrous Homogeneous	<1% Fibrous (other)	100% Non-fibrous (other)	None Detected
60a 241404234-0149	Caulk exterior siding/trim second floor - (grey)	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
60b 241404234-0150	Caulk exterior siding/trim second floor - (grey)	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
60c 241404234-0151	Caulk exterior siding/trim second floor - (grey)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
61a 241404234-0152	Grey shingles on roof	Gray/Black Non-Fibrous Homogeneous	10% Glass <1% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)  
 Kristin Lopez (68) William Shedrawy (71)  
 Lauren Brennan (16)

  
 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 10/27/2014 10:37:31



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EMSL Order: 241404234  
CustomerID: LOUR62  
CustomerPO:  
ProjectID:

Attn: **Jamie Roche**  
**Loureiro Engineering Associates, Inc.**  
**100 Northwest Drive**  
**Plainville, CT 06062**

Phone: (860) 747-6181  
Fax: (860) 747-8822  
Received: 10/23/14 10:00 AM  
Analysis Date: 10/27/2014  
Collected: 10/17/2014

Project: **01MH4.21**

## 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
61b 241404234-0153	Grey shingles on roof	Gray/Black Non-Fibrous Homogeneous	12% Glass <1% Cellulose	88% Non-fibrous (other)	None Detected
61c 241404234-0154	Grey shingles on roof	Gray/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
62a 241404234-0155	Tar paper on roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
62b 241404234-0156	Tar paper on roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
62c 241404234-0157	Tar paper on roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
63a 241404234-0158	Black flashing around chimney + - skylights	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
63b 241404234-0159	Black flashing around chimney + - skylights				Stop Positive (Not Analyzed)
63c 241404234-0160	Black flashing around chimney + - skylights				Stop Positive (Not Analyzed)
64a 241404234-0161	Black sealant on chimney cracks	Black Non-Fibrous Homogeneous		88% Non-fibrous (other)	12% Chrysotile

Analyst(s)  
Kristin Lopez (68) William Shedrawy (71)  
Lauren Brennan (16)

  
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 10/27/2014 10:37:31



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Received: 10/23/14 10:00 AM  
Analysis Date: 10/27/2014  
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Project: 01MH4.21

## 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
64b 241404234-0162	Black sealant on chimney cracks				Stop Positive (Not Analyzed)
64c 241404234-0163	Black sealant on chimney cracks				Stop Positive (Not Analyzed)

Analyst(s)  
\_\_\_\_\_  
Kristin Lopez (68)                      William Shedrawy (71)  
Lauren Brennan (16)

  
\_\_\_\_\_  
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 10/27/2014 10:37:31



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

241404234 *4*

EMSL ANALYTICAL, INC.  
4 FAIRFIELD BLVD  
WALLINGFORD, CT 06497  
PHONE (203) 264-5545  
FAX (203) 264-5976

Company : Loureiro Engineering		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 100 Northwest Dr		Third Party Billing requires written authorization from third party	
City: Plainville	State/Province: ct	Zip/Postal Code: 06062	Country:
Report To (Name): Jamie Roche		Telephone #: 860-747-6181	
Email Address: jaroche@loureiro.com		Fax #: 860-747-8822	Purchase Order: 1057
Project Name/Number: OLMH4,21-		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: CT		Connecticut Samples: <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential	

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.

<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
<b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water: EPA 100.2</b> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	<b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <b>Other:</b> <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples):  0.8µm  0.45µm

Samplers Name: JRoche Samplers Signature: \_\_\_\_\_

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1a	white duct tape in Garage on HVAC	6 Linear, friable	10/17/14
1b	" "		
1c	" "		
<del>2a</del>	<del>Blue Carpet in fourier/stairwell</del> NE		
<del>2b</del>	<del>" "</del> NE		
<del>2c</del>	<del>" "</del> NE		
3a	Cove base Grey		
3b	Cove base Grey		

Client Sample # (s): \_\_\_\_\_ Total # of Samples: \_\_\_\_\_

Relinquished (Client): JRoche Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received (Lab): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments/Special Instructions: \_\_\_\_\_





EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

241404234

EMSL ANALYTICAL, INC.  
4 FAIRFIELD BLVD.  
WALLINGFORD, CT 06492  
PHONE: (203) 284-5978  
FAX: (203) 284-5978

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
3c	Cove base Grey		
4a	Cove base Mastic		
4b	" "		
4c	" "		
5a	Joint Compound fourier/stairwell		
5b	" "		
5c	" "		
6a	Sheet Rock fourier/stairwell		
6b	" "		
6c	" "		
7a	Wall Paper fourier/stairwell Tan w/ wheat		
7b	" " fourier/stairwell		
8a	Linoleum floor upstairs APT	115 sq/ft	
8b	" "		
8c	" "		
9a	Leveling Compound under Linoleum	?	
9b	" "		
9c	" "		
10a	Mastic under linoleum upstairs APT	115 sqft	
10b	" "		
10c	" "		
11a	Brown Cove base in upstairs APT	40 L/ft	
11b	Brown " "		
11c	" "		

\*Comments/Special Instructions:

Page \_\_\_\_ of \_\_\_\_ pages





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# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

241404234 4

EMSL ANALYTICAL, INC.  
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WALLINGFORD, CT 06492  
PHONE: (203) 284-5978  
FAX: (203) 284-5978

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
12a	Brown Cove base Mastic upstairs APT	40 Ln/ft	
12b	" "		
12c	" "		
13a	Black Tar Paper in Subfloor of <sup>UPSTAIR</sup> APT	420 sq/ft	
13b	" "		
13c	" "		
14a	Joint Compound upstairs APT		
14b	" "		
14c	" "		
15a	Sheet Rock upstairs APT		
15b	" "		
15c	" "		
16a	Wall Paper upstairs APT Bathroom (Silver w/peins)	10 sq/ft	
16b	" "		
16c	" "		
17a	Exterior Window Glazing upstairs APT	60 Ln/ft	
17b	" "		
17c	" "		
18a	Exterior window Caulk upstairs APT	60 Ln/ft	
18b	" "		
18c	" "		
19a	Shower basin Caulk upstairs APT	36 Ln/ft	
19b	" "		
19c	" "		
*Comments/Special Instructions:			

RECEIVED  
OCT 23 2014  
By [Signature] 10:00



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# Asbestos Chain of Custody

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EMSL ANALYTICAL, INC.  
4 FAIRFIELD BLVD.  
WALLINGFORD, CT 06492  
PHONE: (203) 284-5978  
FAX: (203) 284-5978

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
20a	Upstair APT shower tile Grout <sup>white</sup>	3x3x6.5	
20b	" "		
20c	" "		
21a	Upstair APT shower tile Mastic <sup>Brown</sup>		
21b	" "		
21c	" "		
22a	UPstair APT Bathroom Paneling Mastic <sup>Brown</sup>	40 sq/ft	
22b	" "		
22c	" "		
23a	Kitchen Wallpaper Brown Plaid	25 sq/ft	
23b	" "		
24a	Kitchen wallpaper white with flowers	10 sq/ft	
24b	" "		
25a	Kitchen wallpaper white with <sup>mixed</sup> 30 patterns	100 sq/ft	
25b	" "		
26a	Kitchen Linoleum Brown/Grey tile look	300 sq/ft	
26b	" "		
26c	" "		
27a	Kitchen Linoleum Mastic		
27b	" "		
27c	" "		
28a	Kitchen Linoleum under Cabinet <sup>white</sup> tile look	5 sq/ft	
28b	" "		
28c	" "		

\*Comments/Special Instructions:

Page \_\_\_\_ of \_\_\_\_ pages





EMSL ANALYTICAL, INC.  
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### Asbestos Chain of Custody

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WALLINGFORD, CT 06492  
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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
29a	Mastic (Brown) under white Linoleum in kitchen		
29b	" "		
29c	" "		
30a	Textured Surfacing on Downstair Bathroom Ceiling	40 sq ft	
30b	" "		
30c	" "		
31a	Clear Silicone Caulk in Downstair Shower	25 Ln/ft	
31b	" "		
31c	" "		
32a	Downstair Shower tile Grout	3x4x8	
32b	" "		
32c	" "		
33a	Downstair Shower tile Mastic		
33b	" "		
33c	" "		
34a	<del>Kitch</del> Kitchen 4"x4" Backsplash tile Mastic	10 sq/ft	
34b	" "		
34c	" "		
35a	Kitchen 4"x4" Back Splash white Caulks		
35b	" "		
35c	" "		
36a	Kitchen (near Bathroom) Joint Compound		
36b	" "		
36c	" "		

\*Comments/Special Instructions:

Page \_\_\_\_ of \_\_\_\_ pages





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# Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

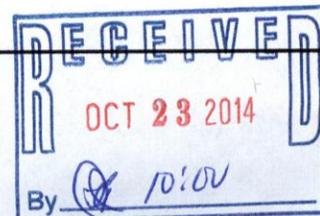
241404234 #

EMSL ANALYTICAL, INC.  
4 FAIRFIELD BLVD  
WALLINGFORD, CT 06492  
PHONE (203) 284-5978  
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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
37a	Kitchen sheet rock (near Bathroom)		
37b	" "		
37c	" "		
38a	Textured Ceiling upstairs	Entire up stairs	
38b	" "		
38c	" "		
<del>39a</del>	<del>Joint Compound upstairs Bedroom 3</del>		
<del>39b</del>	<del>" "</del>		
<del>39c</del>	<del>" "</del>		
<del>40a</del>	<del>Sheetrock upstairs Bedroom 3</del>		
<del>40b</del>	<del>" "</del>		
<del>40c</del>	<del>" "</del>		
41a	Wall Paper in Bedroom 4		
41b	" "		
42	Wall Paper in Bedroom 1		
43	Wall Paper in stairwell up stair Halls		
44a	Bathroom Linoleum upstairs white		
44b	" "		
<del>NE</del> 44c	Bathroom Linoleum upstairs white <sup>under</sup>		
45a	Bathroom Linoleum <sup>#</sup> upstairs under white		
45b	" "		
45c	" "		
46a	UPstairs Bathroom 1" Tile Grout		
46b			

\*Comments/Special Instructions:





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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
46c	UPstairs Bathroom 1" tile Grout		
47a	upstairs Bathroom white Cove base	18 Ln/ft	
47b	" "		
47c	" "		
48a	upstairs Bathroom Brown Cove base	8 Ln/ft	
48b	" "		
48c	" "		
49a	upstairs Bathroom Cove base Mastic (Brown)	26 Ln/ft	
49b	" "		
49c	" "		
50a	upstairs Bathroom fiberglass shower walls Mastic (Brown)		
50b	" "		
50c	" "		
51a	Bedroom # 2 wallpaper (Gold with flowers)		
51b	" "		
52a	UPstairs hallway, Wallpaper (orange, yellow, blue stripes) second layer		
52b	" "		
53a	white Caulk exterior door west side		
53b	" "		
53c	" "		
54a	white Caulk Exterior windows west side		
54b	" "		
54c	" "		
*Comments/Special Instructions:			

RECEIVED  
OCT 23 2014  
 By:



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

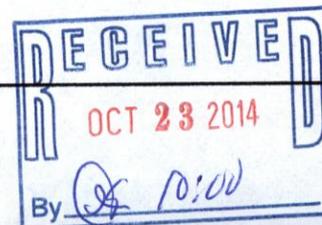
241404234

EMSL ANALYTICAL, INC.  
4 FAIRFIELD BLVD.  
WALLINGFORD, CT 06492  
PHONE (203) 284-5978  
FAX (203) 284-5978

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
<del>55a</del>	<del>Caulk (white) around siding + Trim west</del>		
<del>55b</del>	<del>" "</del>		
<del>55c</del>	<del>" "</del>		
<del>56a</del>	<del>Caulk (white) East side Porch Roof</del>		
<del>56b</del>	<del>" " NO</del>		
<del>56c</del>	<del>" "</del>		
<del>57a</del>	<del>Caulk (white) New windows exterior Caulk</del>		
<del>57b</del>	<del>" "</del>		
<del>57c</del>	<del>" "</del>		
58a	Caulk (white) Sliding door east side		
58b	" "		
58c	" "		
59a	Small windows upstairs (Glazing)		
59b	" "		
59c	" "		
60a	Caulk Exterior Siding/Trim Second floor		
60b	" " (Grey)		
60c	" "		
61a	Grey Shingles on Roof		
61b	" "		
61c	" "		
62a	Tar Paper on Roof		
62b	" "		
62c	" "		

\*Comments/Special Instructions:





Appendix B  
Lead-Paint Lab Results



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order:	201416082
CustomerID:	LOUR62
CustomerPO:	
ProjectID:	

Attn: **Jamie Roche**  
**Loureiro Engineering Associates, Inc.**  
**100 Northwest Drive**  
**Plainville, CT 06062**

Phone: (860) 747-6181  
 Fax: (860) 747-8822  
 Received: 11/03/14 9:21 AM  
 Collected: 10/23/2014

Project: **01MH4.21**

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
102314-PC-1 Site: Yellow Ext. House Paint	201416082-0001	10/23/201	11/3/2014	<0.010 % wt
102314-PC-2 Site: Dark Green Ext. House Paint	201416082-0002	10/23/201	11/3/2014	0.81 % wt
102314-PC-3 Site: Red Ext. Deck Paint	201416082-0003	10/23/201	11/3/2014	<0.012 % wt
102314-PC-4 Site: White Int. Trim Work	201416082-0004	10/23/201	11/3/2014	<0.011 % wt
102314-PC-5 Site: White Int. Walls	201416082-0005	10/23/201	11/3/2014	<0.010 % wt
102314-PC-6 Site: Yellow Int. Wall Paint	201416082-0006	10/23/201	11/3/2014	0.048 % wt
102314-PC-7 Site: Lime Green Int. Wall Paint	201416082-0007	10/23/201	11/3/2014	0.041 % wt
102314-PC-8 Site: Blue Int. Trim Work	201416082-0008	10/23/201	11/3/2014	<0.010 % wt
102314-PC-9 Site: Grey/White Ext. Foundation Paint	201416082-0009	10/23/201	11/3/2014	0.020 % wt

Julie Smith - Laboratory Director  
 NJ-NELAP Accredited:03036  
 or other approved signatory

\*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. 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. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 11/04/2014 12:13:55



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

**Lead (Pb) Chain of Custody**  
EMSL Order ID (Lab Use Only).

201416082

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: (800) 220-3675  
FAX: (856) 786-5974

Company: <u>Loureiro Eng. Assoc.</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>100 North West Dr.</u>		Third Party Billing requires written authorization from third party	
City: <u>Mainville</u>	State/Province:	Zip/Postal Code: <u>06062</u>	Country:
Report To (Name): <u>Jamie Roche</u>		Telephone #: <u>860-747-6181</u>	
Email Address: <u>ja.roche@loureiro.com</u>		Fax #: <u>860-747-8822</u>	Purchase Order:
Project Name/Number: <u>01MH4.21</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>CT</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input checked="" type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm <sup>2</sup> <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	<input type="checkbox"/>
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	<input type="checkbox"/>
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO <sub>3</sub> pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>

Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
1 102314-PC-1	Yellow Ext. House Paint	Siding	10/23/14 1000
2 102314-PC-2	Dark Green Ext. House Paint	Garage	↓
3 102314-PC-3	Red Ext. Deck Paint	& Porch	
4 102314-PC-4	White Int. Trim work	Doors	
5 102314-PC-5	Whik Int. walls	SIR	
Client Sample #'s <u>102314-1 → 102314-9</u>		Total # of Samples:	

Relinquished (Client): <u>Heley Ramin</u>	Date: <u>10/30/14</u>	Time: <u>1000</u>
Received (Lab): <u>Wdger</u>	Date: <u>11-3-14</u>	Time: <u>921st bldg</u>

Comments: Inform Jamie via voicemail of samples being relinquish for analysis  
Because lab 24 does not perform lead analysis @ 10/30/14 @ 10:15am

Note: Sample bags are marked 102314-PC-1 to PC-9. Color Distinguish or color match the samples.  
 S/W Jamie - color is correct - no h...  
 Page 1 of 2



Appendix C  
Mold Lab Results



# 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)

Order ID: 241404374  
Customer ID: LOUR62  
Customer PO:  
Project ID:

**Attn:** Jamie Roche  
Loureiro Engineering Associates, Inc.  
100 Northwest Drive  
Plainville, CT 06062

Phone: (860) 747-6181  
Fax: (860) 747-8822  
Collected: 10/23/2014  
Received: 10/31/2014  
Analyzed: 11/03/2014

**Proj:** MILFORD-STORM SANDY, 32 FIELD ST MILFORD

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method: M041)

Lab Sample Number:	241404374-0001	241404374-0002	241404374-0003		
Client Sample ID:	102314M-1	102314M-2	102314M-3		
Sample Location:	Kitchen- pantry closet	1st Fl bath wall	2nd Fl hallway		
Spore Types	Category	Category	Category		
Agrocybe/Coprinus	-	-	-		
Alternaria	-	-	*High*		
Ascospores	-	-	-		
Aspergillus/Penicillium	*High*	*Medium*	*Low*		
Basidiospores	-	-	-		
Bipolaris++	-	-	-		
Chaetomium	-	-	-		
Cladosporium	*High*	*High*	-		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Paecilomyces	-	-	-		
Rust	-	-	-		
Scopulariopsis	-	-	-		
Stachybotrys	-	-	-		
Torula	-	-	-		
Ulocladium	*Medium*	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Fibrous Particulate	-	-	-		
Hyphal Fragment	High	High	High		
Insect Fragment	-	-	-		
Pollen	-	-	-		

Category: Count/per area analyzed  
Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000  
Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut  
\* = Sample contains fruiting structures and/or hyphae associated with the spores.

Gloria V. Oriol, Laboratory Manager  
or Other Approved Signatory

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. 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 of the data contained in this report is the responsibility of the client. \*- denotes not detected. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/03/2014 11:06:50

For Information on the fungi listed in this report please visit the Resources section at [www.emsl.com](http://www.emsl.com)



EMSL ANALYTICAL, INC.  
LABORATORY-PRODUCTS-TRAINING

### Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

241404374

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077

PHONE: (800) 220-3675  
FAX: (856) 786-0262

Company: <b>Loureiro</b>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: <b>100 NW Drive</b>		<i>Third Party Billing requires written authorization from third party</i>	
City: <b>Plainville</b>	State/Province: <b>CT</b>	Zip/Postal Code:	Country:
Report To (Name): <b>Jamie Roche</b>		Telephone #: <b>860 410 2945</b>	
Email Address: <b>jaroch@loureiro.com</b>		Fax #:	Purchase Order:
Project Name/Number: <b>Milford-Storm Sandy</b>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax	
U.S. State Samples Taken: <b>CT 32 Field St Milford</b>		Connecticut Samples: <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

\*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements

**Non Culturable Air Samples (Spore Traps) – Test Codes**

- |                   |                   |                    |                     |                   |
|-------------------|-------------------|--------------------|---------------------|-------------------|
| • M001 Air-O-Cell | • M173 Allegro M2 | • M004 Allergenco  | • M032 Allergenco-D | • M172 Versa Trap |
| • M049 BioSIS     | • M003 Burkard    | • M043 Cyclex      | • M002 Cyclex-d     |                   |
| • M030 Micro 5    | • M174 MoldSnap   | • M176 Relle Smart | • M130 Via-Cell     |                   |

**Other Microbiology Test Codes**

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>• M041 Fungal Direct Examination</li> <li>• M005 Viable Fungi ID and Count</li> <li>• M006 Viable Fungi ID and Count (Speciation)</li> <li>• M007 Culturable Fungi</li> <li>• M008 Culturable Fungi (Speciation)</li> <li>• M009 Gram Stain Culturable Bacteria</li> <li>• M010 Bacterial Count and ID – 3 Most Prominent</li> <li>• M011 Bacterial Count and ID – 5 Most Prominent</li> <li>• M013 Sewage Contamination in Buildings</li> </ul> | <ul style="list-style-type: none"> <li>• M014 Endotoxin Analysis</li> <li>• M015 Heterotrophic Plate Count</li> <li>• M180 Real Time Q-PCR-ERMI 36</li> <li>• Panel</li> <li>• M018 Total Coliform (Membrane Filtration)</li> <li>• M020 Fecal <i>Streptococcus</i> (Membrane Filtration)</li> <li>• M210-215 <i>Legionella</i> Detection</li> <li>• M026 Recreational Water Screen</li> <li>• M027 Mycotoxin Analysis</li> </ul> | <ul style="list-style-type: none"> <li>• M029 <i>Enterococci</i></li> <li>• M019 Fecal Coliform</li> <li>• M133 MRSA Analysis</li> <li>• M028 <i>Cryptococcus neoformans</i> Detection</li> <li>• M120 <i>Histoplasma capsulatum</i> Detection</li> <li>• M033-39 Allergen Testing</li> <li>• M044 Group Allergen (Cat, Dog, Cockroach, Dustmites)</li> <li>• Other See Analytical Price Guide</li> </ul> |
|---|---|---|

**Preservation Method (Water):**

Name of Sampler:	Signature of Sampler:
------------------	-----------------------

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
<del>Example: A1</del>	<del>Kitchen</del>	<del>Air</del>	<del>M001</del>	<del>75L</del>	<del>1/1/12 4:00 PM</del>
102314M-1	Kitchen-pantry closet	Swab	M041		10/23/14 1105
102314M-2	1st Fl Bath wall	Swab	M041		10/23/14 1110
102314M-3	2nd Fl Hallway	Swab	M041		10/23/14 1130

Client Sample # (s):	102314-m-1 → 102314-m-3	Total # of Samples:	3
Relinquished (Client):	Helen Rumia	Date:	10/30/14
Received (Client):		Date:	
Time:	1000	Time:	

Comments:



10/31/14 84739927

Appendix D  
Staff & Lab Certifications

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSPECTOR

HELEN RIMSA

LICENSE NO.  
000764  
CURRENT THROUGH  
03/31/15  
VALIDATION NO.  
03-723328

*Helen Rimsa*

SIGNATURE

*Jewel Muller*

COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - PROJECT MONITOR

HELEN RIMSA

LICENSE NO.  
000660  
CURRENT THROUGH  
03/31/15  
VALIDATION NO.  
03-723330

*Helen Rimsa*

SIGNATURE

*Jewel Muller*

COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A

LEAD INSPECTOR

HELEN RIMSA

CERTIFICATION NO.  
002192  
CURRENT THROUGH  
03/31/15  
VALIDATION NO.  
03-723329

*Helen Rimsa*

SIGNATURE

*Jewel Muller*

COMMISSIONER

OSHA

002202352

U.S. Department of Labor  
Occupational Safety and Health Administration

Helen Rimsa

has successfully completed a 10-hour Occupational Safety and Health  
Training Course in

Construction Safety & Health

Milton Jacobs

(Trainer)

12/08  
(Date)

## Lookup Detail View

Name

**Name**

LOUREIRO ENGINEERING ASSOCIATES INC

License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Lead Consultant Contractor	2068	12/31/2014	12/22/2004	LOUREIRO ENGINEERING ASSOCIATES INC	ACTIVE	None

Generated on: 1/28/2014 2:23:49 PM

# State of Connecticut, Department of Public Health Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

## EMSL ANALYTICAL - NJ

LOCATED AT 200 Route 130 North IN Cinnaminson, NJ 08077

AND REGISTERED IN THE NAME OF Robert J. DeMalo

THIS CERTIFICATE IS ISSUED IN THE NAME OF  
Julie A. Smith - Director  
William E. Chamberlin - Co-Director  
Stephen Siegel - Co-Director  
Bin Wang - Co-Director

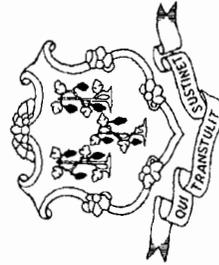
WHO HAS BEEN DESIGNATED

BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

Drinking Water, Non-Potable Water/Wastewater, Environmental Health and Housing Asbestos  
Solid Waste/Soils LEAD IN PAINT BULK - IDENTIFICATION-PLM,TEM  
MICROBIOLOGICALS LEAD IN DUST WIPES AIR - FIBER COUNTING, PCM,TEM  
ORGANIC CHEMICALS LEAD IN SOIL WATER - TEM  
INORGANIC CHEMICALS

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

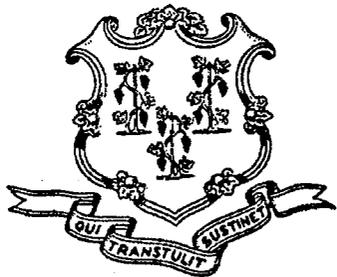
EFFECTIVE RENEWAL DATE July 1, 2014  
THIS CERTIFICATE EXPIRES June 30, 2016 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH  
DATED AT HARTFORD, CONNECTICUT, THIS 1<sup>st</sup> DAY OF July, 2014



Registration  
No.

PH - 0270

SUZANNE BLANCAFLOR, MS, MPH  
CHIEF, ENVIRONMENTAL HEALTH SECTION



STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

CERTIFIED ANALYTES REPORT  
FOR ALL MATRICES

**EMSL Analytical, Inc.- NJ**

CT-APP-NUM PH-0270

LOCATION

200 Route 130 North

Cinnaminson NJ 08077-

PHONE (800)-220-3675

REGISTERED OWNER/  
AUTHORIZED AGENT

Robert J. DeMalo

DIRECTOR

Julie Smith

CO DIRECTOR(S)

William Chamberlin

Stephen Siegel

Bin Wang

APPROVED BY

  
DERMOT T. JONES

DATE 07/01/2014 2:37:27 PM

LABORATORY APPROVAL EXPIRATION DATE

06/30/2016

LABORATORY STATUS

APPROVED

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO  
THE ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389



# Milford Fire Rescue

## EMS/Safety/Hazmat



**To: Thomas Ivers, CDBG Coordinator  
Community Development**

**From: Captain Christopher Waiksnoris**

**Date: November 17, 2014**

**Subject: Thermal/Explosive/Toxic Hazards**

Mr. Ivers,

A review of Milford Fire Department record and site review indicate there are no conditions present that would subject the above listed property to any foreseeable Thermal/Explosive/Toxic Hazard.

This information is provided only for the propose of the United Stated Department of Housing and Development to approve and fund a Community Development Block Grant application for the property listed as 32 Field St. This information may not be relied upon by any other person or organizations other than the United States Department of Housing and Urban Development.

If you have any questions please feel free to contact me.

Thank You

Captain Waiksnoris

Milford Fire Department  
EMS HAZMAT SAFETY OFFICER  
72 New Haven Ave  
Milford Ct 06460  
(203)783-3750  
(203)996-2148



November 12, 2015

Saul and Patricia Englander  
343 Beech Street, Apt. 204  
Wet Haven, CT 06516

**Subject: Approval of Registration # 201508416-SJ  
General Permit No. DEP-LIS-GP-011, Removal of Derelict Structures  
32 Field Court, Milford**

Dear Mr. and Mrs. Englander:

This letter is to acknowledge that on October 29, 2015, the Department of Energy and Environmental Protection (Department) received a complete registration application and registration fee pursuant to General Permit No. DEP-LIS-REG-011 to remove derelict pilings and beams from a beach. Such work is identified on plan sheets C-1 and C-2, attached hereto. The debris removal is hereby approved.

Please note that you are subject to the requirements for authorization and the conditions listed in Section 3 and Section 5 of the enclosed General Permit, DEP-LIS-GP-011. Any work in tidal wetlands or waterward of the coastal jurisdiction line in tidal, navigable and coastal waters of the State which has not been authorized by a valid permit or certificate of permission is a violation of state law and subject to enforcement action by this Department and the Office of the Attorney General.

Your initiation of authorized activities will be relied upon as your agreement to comply with the terms and conditions of the general permit. Please post the enclosed Permit Notice at the work area while the work is being undertaken.

If you have not already done so, you should contact your local Planning and Zoning Office to determine local permit requirements for your project. Also, your activity may be eligible for General Permit authorization from the U.S. Army Corps of Engineers. The State of Connecticut will automatically forward this Approval of Registration to the Corps for its determination of General Permit eligibility. You do not need to apply directly to the Corps unless they notify you. If you have any questions, please contact Susan Jacobson of my staff at 860-424-3693 or susan.jacobson@ct.gov.

Sincerely,

Brian P. Thompson, Director  
Office of Long Island Sound Programs  
Bureau of Water Protection & Land Reuse

BPT/slj

Enclosure – General Permit No. DEP-LIS-GP-011

cc: File # 201508416-SJ

US ACOE (PGP)

Rafael Amaya







# PERMIT NOTICE

This Certifies that Authorization to perform work below the Coastal Jurisdiction Line and/or within Tidal Wetlands of coastal, tidal, or navigable waters of Connecticut

has been issued to: Saul and Patricia Englander

at this location: 32 Field Court, Milford

to conduct the following:

remove derelict pilings and beams from a beach.

Permit #: 201508416-SJ

Issued on:

This Authorization expires on:

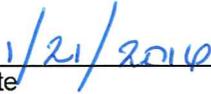
This Notice must be posted in a conspicuous place on the job during the entire project.

Department of Energy and Environmental Protection  
Office of Long Island Sound Programs  
79 Elm Street • Hartford, CT 06106-5127  
Phone: (860) 424-3034 Fax: (860) 424-4054  
[www.ct.gov/deep](http://www.ct.gov/deep)

## Appendix B

### DECD/SHPO/DOH Professional Certification Form

For all General Permit Applications submitted as part of the Flood Management Certification for Disaster Recovery Activities, the following certification must be signed and sealed by a professional engineer licensed to practice in Connecticut.

Property:	
Application Number:	
"I certify that in my professional judgment, the above referenced project has been designed consistent with the Flood Management Certification for Disaster Recovery Activities as approved by DEEP and that the information is true, accurate and complete to the best of my knowledge and belief.	
I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes."	
	
Signature of Applicant	Date
Hermia Delaire	CDBG-DR Program Manager
Name of Applicant (print or type)	Title
	1/18/2016
Signature of Professional Engineer	Date
Edward G. Shelomis	9266
Name of Professional Engineer (print or type)	P.E. Number
	Affix P.E. Stamp Here
	