

ENVIRONMENTAL REVIEW REPORT

**Community Development Block Grant – Disaster Recovery
Owner Occupied Rehabilitation and Rebuilding Program**

Applicant # 1581

**10 Silver Street
Milford, Connecticut**

December 29, 2014

Prepared for:

**Quisenberry Arcari Architects, LLC
318 Main Street
Farmington, Connecticut**

Prepared by:

**Stephen Ball
294 White Deer Rocks Road
Woodbury, Connecticut**

**STATUTORY CHECKLIST [§58.35(a) activities]
for Categorical Exclusions and Environmental Assessments**

Note: Review of the items on this checklist is required for both Categorical Exclusions under Sec. 58.35(a) and projects requiring an Environmental Assessment under Sec. 58.36. If no compliance with any of the items is required, a Categorical Exclusion [58.35(a)] may become "exempt" under the provisions of Sec. 58.34 (a) (12). In such cases attach the completed Statutory Checklist to a written determination of the exemption. Projects requiring an Environmental Assessment under Sec. 58.36 cannot be determined to be exempt even if no compliance with Statutory Checklist items is found. Three items listed at Sec. 58.6 are applicable to all projects, including those determined to be exempt.

**Project Name and Identification/Location: Ziebell Residence / #1581
10 Silver Street Milford, Connecticut**

Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
Document Laws and authorities listed at 24 CFR Sec. 58.5							
1. Historic Properties [58.5(a)] [Section 106 of NHPA]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consulted with State Historic Preservation Office (SHPO); Building built in 1909. SHPO determined the proposed work will have no adverse effect on the State's cultural resources. See attached SHPO letter dated 11/25/14.
2. Floodplain Management [58.5(b)] [EO 11988] [24 CFR 55]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Located in Flood Zone AE based on FEMA – Map Number 09009C0529J Revised July 8, 2013. See attached FIRMLET.
3. Wetland Protection [58.5 (b)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anticipated impacts on wetlands minimal due to majority of activities limited to pre-storm building footprint. Consulted City of Milford Inland Wetlands. No mapped wetlands. See attached National Wetlands Mapper.
4. Coastal Zone Management [58.5(c)] [CGS 22a-100(b)]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site is located within the Coastal Boundary as mapped by DEEP.
5. Water Quality – Aquifers [58.5(d)] [40 CFR 149] Clean Water Act 1977 Safe Drinking Water Act 1974	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Quality – N/A Project does not involving on-site water and sewer facilities nor is it in a sole source aquifer zone.
6. Endangered Species [58.5(e)] [16 U.S.C. 1531 et seq.] [CGS 26-310]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NOT LOCATED AT WATERFRONT PROPERTIES WITH SANDY BEACHES - consult with Department of Interior Fish and Wildlife Database – See attached Department of Interior Fish and Wildlife report dated January 26, 2015. The Red Knot (<i>Calidris canutus rufa</i>) is listed as threatened but has no critical habitat within the project area.
7. Wild and Scenic Rivers [58.5 (f)] [16 U.S.C. 1271 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Eightmile River is only designated wild & scenic river within program area running through Lyme, Salem and East Haddam, CT (rivers.gov; November 2012)
8. Air Quality [58.5(g)] [42 U.S.C. 7401 et seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean Air Act, State Implementation Plan, HUD & EPA Regulations; in general, residential rehabilitation exempted w/no quantifiable increase in air pollution.

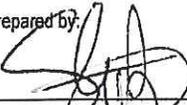
Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	Provide compliance documentation. Additional material may be attached.
9. Farmland Protection [58.5(h)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Agricultural land use conversion not anticipated. Adverse effects to agricultural resources are not anticipated; clearly defined urban areas. Location not considered protected farmland
Manmade Hazards: 10 A. Thermal Explosive [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A for projects that do not add density
10 B. Noise [58.5(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable to project – restoration of structure substantially as it existed prior to Super Storm Sandy.
10 C. Airport Clear Zones [58.5 (j)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.
10 D. Toxic Sites [58.5 (i)(2)(i)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The site has no known toxic history based on the attached Toxix Site Certification. The site: 1) is not listed on EPA Superfund National Priorityies or CERCLA list. 2) is not located within 3,000ft of a toxic or solid waste landfill. 3) is not known to have an underground storage tank (which is not an underground storage fuel tank). 4) Is not known or suspected to be contaminated by radioactive chemicals or radioactive materials.
11. Environmental Justice [58.5(j)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Executive Order 12898 Program activities do not anticipate high & adverse human health and environmental effects on minority or low-income populations;
Document Laws and authorities listed at Sec. 58.6 and other potential environmental concerns							
12 A. Flood Insurance [58.6(a) & (b)]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Located in Zone AE – Map Number 09009C0529J Revised July 8, 2013. See attached FIRMLET Flood insurance required.
12 B. Coastal Barriers [58.6(c)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property is not located in a Coastal Barrier Resource Zone. See attach map.
12 C. Airport Clear Zone Notification [58.6(d)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable - Two (2) FAA designated Commercial Service airports in program area: Tweed New Haven Regional and Groton-New London. This property is not located in an Airport Clear Zone. Property does not involve the purchase or sale of an existing property in an airport zone.

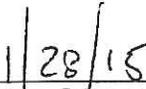
Area of Statutory or Regulatory Compliance	Not Applicable to This Project	Consultation Required*	Review Required*	Permits Required*	Determination of consistency Approvals, Permits Obtained*	Conditions and/or Mitigation Actions Required	
							Provide compliance documentation. Additional material may be attached.
13. A. Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resource Conservation and Recovery Act and Solid Waste Disposal Act; Residential Exemption
13 B. Fish and Wildlife [U.S.C. 661-666c]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fish and Wildlife Coordination Act: Program activities will not result in impounding, diverting, deepening, channelizing or modification of any stream or body of water; not a water control project.
13 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No Lead paint found - See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated November 2014. Give tenant Notice about Lead.
13 D. Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Asbestos assumed – See attached Limited Hazardous Materials Inspection report from Fuss & O'Neill EnviroScience LLC dated November 2014. Supplemental testing recommended of inaccessible areas. Compliance will include measures to minimize risk of exposure and when necessary abate any hazardous materials if found.
13 E. Radon [50.3 (l) 1]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radon concentration less than 4 picocuries per liter of air. See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated November 2014. No action required.
13 F. Mold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No Mold Found - See attached Limited Hazardous Materials Inspection Report from Fuss & O'Neill EnviroScience LLC dated November 2014. No action required.
Other: State or Local 14 A. Flood Management Certification [CGS 25-68]	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Property inside Flood Zone AE on FEMA map 09009C0529J Revised July 8, 2013. Certification through the General Permit for CDBG-DR activities with DEEP required. See appendix B Certification form and required documents.
14 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not applicable - this project is not waterward of the Coastal Jurisdiction Line.
14 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not located in Tidal wetlands – see attached Zoning Location Survey. See attached e-mail from JeffJahnke from QA Architects per his conversation with Fred D'Amico of D'Ameco Associates.
14 D. Local inland wetlands/watercourses [CGS 22a-42]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not located in wetlands - see attached See attached e-mail from JeffJahnke from QA Architects per his conversation with Fred D'Amico of D'Ameco Associates.
14 E. Various Municipal Zoning Approvals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approvals required by Planning/Zoning Commission or ZBA. If any work outside original building footprint.

DETERMINATION:

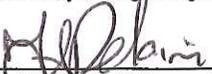
- This project converts to Exempt, per §58.349a)(12), because it does not require any mitigation for compliance with any listed statutes or authorities, nor requires any formal permit or license. Funds may be drawn down for this (now) EXEMPT project; OR
- This project cannot convert to Exempt because one or more statutes/authorities requires consultation or litigation. Complete consultation/mitigation requirements, publish NOI/RRF and obtain Authority to Use Grant Funds (HUD 7015.16) per §58.70 and 58.71 before drawing down funds; OR
- The unusual circumstances of this project may result in a significant environmental impact. This project requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

Prepared by:


Name: Stephen Bail


Date

Responsible Entity or designee Signature:


Hermia Delaire, CDBG-DR Program Manager

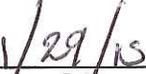

Date

Photo Documentation



318 Main Street
Farmington, CT 06032

860 677.4594
860 677.8534 Fax



318 Main Street
Farmington, CT 06032

860 677.4594
860 677.8534 Fax



318 Main Street
Farmington, CT 06032

860 677.4594
860 677.8334 Fax





©2015 Google, Map data ©2015 Google 100 ft

10 SILVER ST

Location 10 SILVER ST **Assessment** \$97,280
Mblu 27/ 454/ 6/ / **Appraisal** \$138,970
Acct# 021119 **PID** 5671
Owner ZIEBELL WILLIAM J & MARSHA J & **Building Count** 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$52,570	\$86,400	\$138,970

Assessment			
Valuation Year	Improvements	Land	Total
2013	\$36,800	\$60,480	\$97,280

Owner of Record

Owner ZIEBELL WILLIAM J & MARSHA J & **Sale Price** \$0
Co-Owner **Book & Page** 00740/1480
Address 10 SILVER ST **Sale Date** 06/29/1973
MILFORD, CT 06460

Ownership History

Ownership History
No Data for Ownership History

Building Information

Building 1 : Section 1

Year Built: 1909
Living Area: 1666
Replacement Cost: \$210,282
Building Percent 25
Good:
Replacement Cost
Less Depreciation: \$52,570

Building Photo

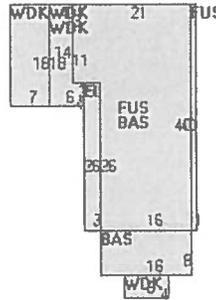
Building Attributes	
Field	Description
Style	Conventional
Model	Residential
Grade:	Average +20
Stories:	2 Stories

Occupancy	1
Exterior Wall 1	Clapboard
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Carpet
Interior Flr 2	Pine/Soft Wood
Heat Fuel	Gas
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	5 Rooms
Bath Style:	Average
Kitchen Style:	Updated
Bath Desc.	1-Full



(http://Images.vgsi.com/photos/MilfordCTPhotos/\00\03\27\86.JPG)

Building Layout



Building Sub-Areas			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	838	838
FUS	Upper Story, Finished	828	828
WDK	Deck, Wood	318	0
		1984	1666

Extra Features

Extra Features		Legend
No Data for Extra Features		

Land

Land Use

Use Code	1010
Description	SINGLE FAM MDL-01
Zone	R5
Neighborhood	E
Alt Land Appr Category	No

Land Line Valuation

Size (Acres)	0.07
Frontage	35
Depth	78
Assessed Value	\$60,480
Appraised Value	\$86,400

Outbuildings

Outbuildings	Legend
No Data for Outbuildings	

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$52,570	\$86,400	\$138,970
2012	\$168,230	\$105,600	\$273,830
2011	\$168,230	\$105,600	\$273,830

Assessment			
Valuation Year	Improvements	Land	Total
2013	\$36,800	\$60,480	\$97,280
2012	\$117,760	\$73,920	\$191,680
2011	\$117,760	\$73,920	\$191,680

(c) 2013 Vision Government Solutions, Inc. All rights reserved.



Department of Economic and
Community Development

Connecticut
still revolutionary

SM
1581

November 25, 2014

received
12-1-14

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

Subject: 10 Silver Street
Milford, CT

Dear Ms. Delaire:

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

The property located at 10 Silver Street appears to be eligible for listing on the National Register of Historic Places as a contributing resource to a potential historic district.

Your project scope includes a gut rehabilitation of the interior and exterior siding repair. The SHPO has determined that the undertaking as proposed will constitute no adverse effects to historic resources contingent upon the exterior repairs conforming to the Secretary of the Interior's *Standards for the Treatment of Historic Properties*.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Todd Levine, Environmental Reviewer, at (860) 256-2759 or todd.levine@ct.gov.

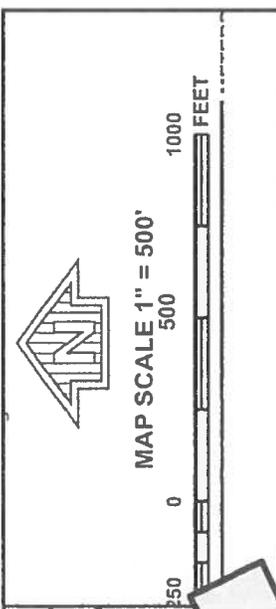
Sincerely,

Mary B. Dunne
Deputy State Historic Preservation Officer

State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | P: 860.256.2800 | CultureandTourism.org

An Affirmative Action/Equal Opportunity Employer/An Equal Opportunity Lender



NATIONAL FLOOD INSURANCE PROGRAM

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

PANEL 0529J

PANEL 529 OF 635
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY MILFORD, CITY OF	NUMBER 0529	PANEL SUFFIX J
--------------------------------------	-----------------------	--------------------------

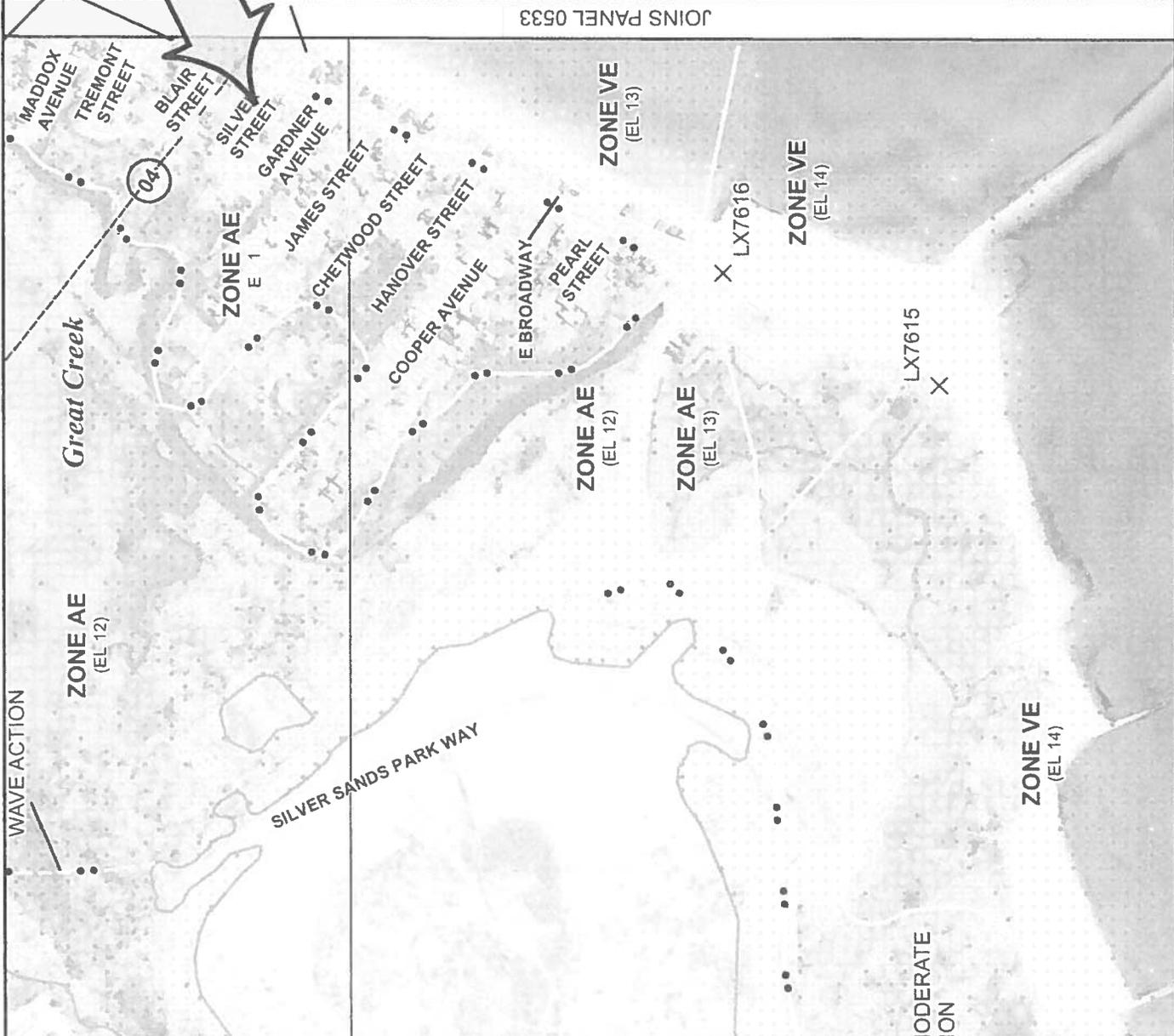
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09009C0529J

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

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





U.S. Fish and Wildlife Service

National Wetlands Inventory

Ziebell Residence

Jan 26, 2015



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or completeness of the base data shown on this map. All metadata should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

10 Silver StreetMilford, CT



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
PHONE: (603)223-2541 FAX: (603)223-0104
URL: www.fws.gov/newengland

Consultation Code: 05E1NE00-2015-SLI-0225

January 26, 2015

Event Code: 05E1NE00-2015-E-00367

Project Name: Ziebell 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). 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: Ziebell Residence

Official Species List

Provided by:

New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
(603) 223-2541
<http://www.fws.gov/newengland>

Consultation Code: 05E1NE00-2015-SLI-0225

Event Code: 05E1NE00-2015-E-00367

Project Type: Federal Grant / Loan Related

Project Name: Ziebell Residence

Project Description: Repair damage from Super Storm Sandy

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: Ziebell Residence

Project Location Map:

Project Coordinates: MULTIPOLYGON (((-73.0634156 41.2041391, -73.0635442 41.2039838, -73.0636702 41.2040403, -73.0635282 41.2041977, -73.0634156 41.2041391)))

Project Counties: New Haven, CT



United States Department of Interior
Fish and Wildlife Service

Project name: Ziebell Residence





United States Department of Interior
Fish and Wildlife Service

Project name: Ziebell Residence

Endangered Species Act Species List

There are a total of 1 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		



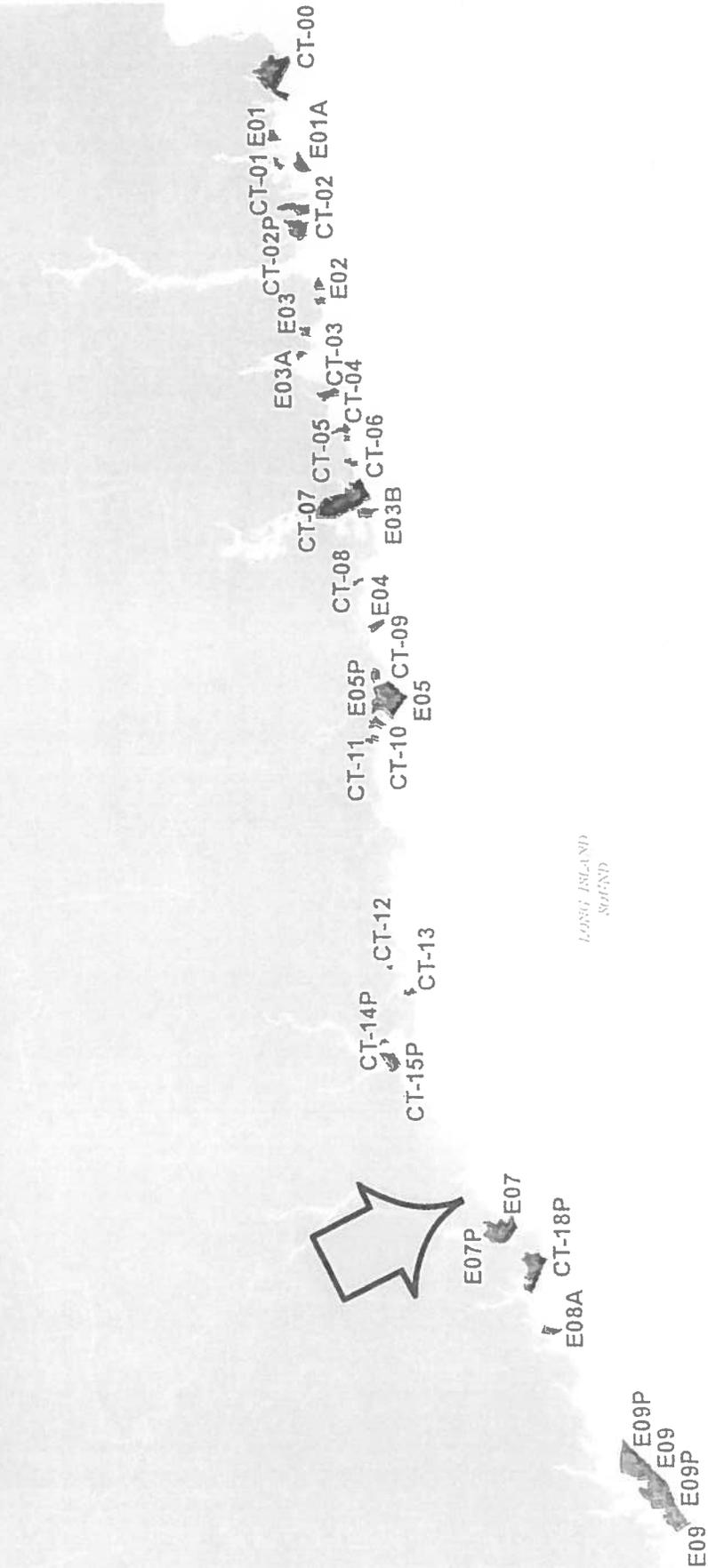
United States Department of Interior
Fish and Wildlife Service

Project name: Ziebell Residence

Critical habitats that lie within your project area

There are no critical habitats within your project area.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM CONNECTICUT



Number of CBRS Units:	32
<i>Number of System Units:</i>	25
<i>Number of Otherwise Protected Areas:</i>	7
Total Acres:	9,245
<i>Upland Acres:</i>	1,130
<i>Associated Aquatic Habitat Acres:</i>	8,115
Shoreline Miles:	22

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

**Limited Hazardous Materials Building
Inspection Report**
Storm Sandy Residential Rehabilitation Project
10 Silver Street
Milford, Connecticut

Quisenberry Arcari Architects, LLC
Farmington, Connecticut

November 2014



Fuss & O'Neill EnviroScience, LLC
56 Quarry Road
Trumbull, CT 06611



FUSS & O'NEILL
EnviroScience, LLC

November 7, 2014

Mr. Thomas Arcari
Principal
Quisenberry Arcari Architects LLC
318 Main Street
Farmington, CT 06032

**RE: Limited Hazardous Materials Building Inspection
Storm Sandy Residential Rehabilitation Project
10 Silver Street, Milford, Connecticut**
Fuss & O'Neill EnviroScience Project No. 20140277.D8E
Quisenberry Arcari Project No. 1346-41

Dear Mr. Arcari:

Enclosed is the report for the limited hazardous materials building inspection performed at 10 Silver Street in Milford, Connecticut.

The initial inspection was performed on October 28, 2014, and October 31, 2014, by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included an asbestos inspection, testing for lead-based paint, airborne radon gas assessment, mold assessment, and PCB-containing light ballasts and mercury hazards assessments.

The information summarized in this document is for the abovementioned materials only. It does not include information on other hazardous materials that may exist in the property (such as underground storage tanks, PCB-containing building materials, etc.).

If you have any questions regarding the contents of this report, please do not hesitate to contact us at (203) 374-3748. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kevin J. McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

56 Quarry Road
Trumbull, CT
06611
t 203.374.3748
800.286.2469
f .203.374.4391
www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

Enclosure

Table of Contents

Limited Hazardous Materials Building Inspection Report Quisenberry Arcari Architects LLC 10 Silver Street, Milford, Connecticut

1	Introduction	1
2	Asbestos Inspection.....	1
2.1	Methodology	2
2.2	Results	3
2.3	Discussion	3
2.4	Conclusions and Recommendations.....	3
3	Lead-Based Paint Testing	4
3.1	Methodology	4
3.2	XRF Testing Results	4
3.3	Conclusions and Recommendations.....	5
4	Assessment of PCB-Containing Fluorescent Ballasts	5
4.1	Results	6
4.2	Conclusions and Recommendations.....	6
5	Assessment of Mercury-Containing Devices.....	6
5.1	Conclusions and Recommendations.....	6
6	Mold Visual Assessment.....	6
6.1	Observations.....	7
7	Airborne Gas Radon Information, Sampling and Procedure .	7
7.1	Radon Facts and Health Effects	7
7.2	Airborne Radon Sampling.....	8
7.3	Airborne Radon Quality Assurance Procedure	8
7.4	Airborne Radon Analytical Results	8
7.5	Conclusions and Recommendations.....	9

Table of Contents

Limited Hazardous Materials Inspection Report Quisenberry Arcari Architects LLC 10 Silver Street, Milford, Connecticut

Appendices

APPENDIX A	FUSS & O'NEILL ENVIROSCIENCE STATE LICENSES, CERTIFICATIONS AND ACCREDITATIONS
APPENDIX B	ASBESTOS LAB REPORT AND CHAIN-OF-CUSTODY FORMS
APPENDIX C	LEAD PAINT TESTING PROCEDURES AND EQUIPMENT
APPENDIX D	LEAD TESTING FIELD DATA SHEETS
APPENDIX E	AIRBORNE RADON GAS ASSESSMENT RESULTS AND CHAIN-OF- CUSTODY FORM

1 Introduction

On October 28, 2014, and October 31, 2014, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technicians, Mr. Robert Hobbins and Mr. James Blum, performed a limited hazardous materials building inspection of the residential structure located at 10 Silver Street in Milford, Connecticut (the "Site"). Mr. Hobbins and Mr. Blum are State of Connecticut-licensed Asbestos Consultants - Inspectors and Certified Lead Paint Inspectors. The residential structure was unoccupied at the time and date of the inspection. Refer to *Appendix A* for EnviroScience state licenses, certifications, and accreditations.

This inspection was performed in response to the planned renovations to damaged or impacted building areas caused by Superstorm Sandy, as identified in the *Draft Residence Rehabilitation Letter* dated July 13, 2014, provided by Quisenberry Arcari Architects. The limited inspection consisted of the following:

- An inspection for asbestos-containing materials (ACM) associated with the first floor fit-out and exterior upgrades;
- Testing of painted surfaces for lead-based paint (LBP);
- An evaluation of fluorescent light fixtures for polychlorinated biphenyls (PCB)-containing light ballasts;
- An inventory of light tubes/lamps and devices for mercury;
- Airborne radon gas assessment; and
- A mold assessment.

2 Asbestos Inspection

A property owner must ensure that performance of a thorough inspection for ACM, prior to possible disturbance of suspect ACM during renovation or demolition, is conducted. This is a requirement of the United States (US) Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR Part 61, Subpart M.

This includes Friable, Non-Friable Category I, and Non-Friable Category II ACM.

- A Friable Material is defined as material that contains greater than one percent (> 1%) asbestos that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains greater than one percent (> 1%) asbestos (e.g., packings, gaskets, resilient floor coverings, asphalt roofing products, etc.) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material (excluding Category I materials) that contains greater than one percent (> 1%) asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

During this inspection, suspect ACM were separated into three EPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes all ACM that is applied by spray, trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for

fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tiles.

Samples are recommended to be collected in a manner sufficient to determine asbestos content and include homogenous building materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected and analyzed, but recommends the use of sampling protocols included in EPA Title 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools regulation.

2.1 Methodology

Samples of suspect ACM were collected in accordance with EPA recommendations and Asbestos Hazard Emergency Response Act (AHERA) protocols. The protocols included the following:

1. Surfacing Materials (SURF) (e.g., plaster, spray-applied fireproofing, etc.) were collected in a randomly distributed manner representing each homogenous area based on the overall quantity represented by the sampling as follows:
 - a. Three samples collected from each homogenous area that is less than or equal to (\leq) 1,000 square feet.
 - b. Five samples collected from each homogenous area that is greater than ($>$) 1,000 square feet, but less than or equal to 5,000 square feet.
 - c. Seven samples collected from each homogenous area that is greater than ($>$) 5,000 square feet.
2. Thermal System Insulation (TSI) (e.g., pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.
3. Miscellaneous Materials (MISC) (e.g., floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The Asbestos Consultant – Inspectors collected samples and prepared proper chain-of-custody forms for transmission of samples to an accredited asbestos analytical laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, quantity, sample identification, and asbestos content are identified by bulk sample analysis in *Table 1* of the “Results” section. *Table 2* presents the suspect ACM that were identified as not containing asbestos. Suspect materials on the Site that are not listed in the following *Table 1* should be considered suspect ACM until sample collection and analysis indicate otherwise. Refer to *Appendix B* for the asbestos lab report and chain-of-custody forms.

2.2 Results

Utilizing the EPA protocol and criteria, the following material was identified as ACM:

Table 1
Asbestos-Containing Materials

Location	Material Type	Asbestos Content	Estimated Quantity	Sample No.
2 nd Floor (Main Floor)	Tan 9" x 9" Floor Tile (Beneath Wood Flooring)	4% Chrysotile	600 SF	1028JB05A

Notes: SF = Square Feet

Utilizing the EPA protocol and criteria, the following were identified as non-ACM:

Table 2
Non-Asbestos-Containing Materials

Location	Material Type	Sample No.
2 nd Floor (Main Floor)	Gray Sheetrock and White Taping/Joint Compound	1028JB01A-B, 02A-B, 03
2 nd Floor (Main Floor)	Black Paper Backing on Fiberglass Batting Insulation	1028JB04A-B
2 nd Floor (Main Floor)	Black Floor Mastic	1028JB06A-C
2 nd Floor (Main Floor)–Closet under Stairwell	Red/Brown Self-Stick Flooring	1028JB07A-B
2 nd Floor (Main Floor)–Kitchen	Gray Floor Grout and Thinset	1028JB08A-B, 09A-B
3 rd Floor–on Existing Original Exterior Siding	Black Dampproofing/Paper/Tar	1028JB10A-C

2.3 Discussion

The EPA and the State of Connecticut Department of Public Health (CTDPH) define any material that contains greater than one percent (> 1%) asbestos, utilizing PLM as ACM. Materials that are identified as “none detected” are specified as not containing asbestos.

2.4 Conclusions and Recommendations

ACM identified in *Section 2.1 - Table 1* must be removed by a State of Connecticut-licensed Asbestos Abatement Contractor prior to building renovations that will disturb the materials. This is a CTDPH requirement (Standards for Asbestos Abatement).

Since this asbestos inspection was limited to proposed renovations based on scope of work provided by Quisenberry Arcari Architects, we recommend conducting a supplemental inspection of hidden and inaccessible areas (behind walls/beneath fixed floors, exterior foundation, etc.) prior to demolition/renovation activities that may disturb these areas. Any suspect material encountered during demolition/renovation activities that is not identified in this report as being non-ACM, should be presumed to be ACM until sample collection and analysis indicate otherwise.

3 Lead-Based Paint Testing

On October 28, 2014, EnviroScience's Environmental Technicians Mr. Hobbins and Mr. Blum performed comprehensive lead paint testing within the Site structure. The purpose of the testing was for compliance with EPA's Renovation, Repair, and Painting Rule (RRP) located at Title 40 CFR, Parts 745.80 through 92, and the United States (US) Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (Title 24 CFR, Part 35, Subparts B-R).

3.1 Methodology

A direct reading X-ray fluorescence (XRF) analyzer was used to perform the testing. The testing was conducted in accordance with the protocol outlined in the attached document: "Testing Procedures and Equipment" (*Appendix C*).

For the purpose of this testing, various interior and exterior building components representing the initial painting history of the building, and any building-wide repainting by the owners/managers of these building components were tested. Individual repainting efforts are not discoverable in such a limited testing program. The purpose of this testing was to identify patterns and trends in the painting history of the buildings in order to determine if representative sample collection and analysis using the EPA Toxicity Characteristic Leaching Procedure (TCLP) is required for the anticipated demolition debris prior to off-site disposal.

The structure is constructed of exterior vinyl siding with metal/wood window and door systems. The interior walls and ceiling are constructed of sheetrock with both wood and concrete floors. The building was occupied at the time and date of the testing; however, no children under the age of six were present within the residence at time and date of the inspection.

3.2 XRF Testing Results

The testing indicated consistent painting trends throughout the building interior and exterior. No painted building components were determined to contain toxic levels of lead (greater than 1.0 milligrams of lead per square centimeter [mg/cm²] of paint).

Refer to *Appendix D* for the lead testing field data sheets and diagrams.

3.3 Conclusions and Recommendations

None of the coated building components observed and tested were determined to be coated with toxic levels of lead in paint. Due to the absence of identified LBP, sample collection of the anticipated waste stream for analysis using the TCLP method was neither conducted, nor required. No lead hazards were identified, and therefore, a risk assessment was not performed.

Note that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 ("Lead in Construction") does not apply. The Contractor shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers and building occupants.

If a specific component or surface is not identified as having been tested as part of this limited inspection, it should be presumed to be coated with LBP until tested. Contractor's should be aware that the threshold limit of 1.0 mg/cm² for purposes of EPA RRP requirements is not recognized by OSHA and worker exposures are still subject to the Lead in Construction regulation (Title 29 CFR, Part 1926.62).

4 Assessment of PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs unless proven otherwise by quantitative analytical testing. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen and is listed under the EPA Resource Conservation and Recovery Act (RCRA) and the Superfund law as a hazardous waste. Therefore, Superfund liability exists for land filling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA, and require special handling and disposal requirements.

On October 28, 2014, EnviroScience representative Mr. Hobbins performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCB's". Ballasts manufactured after 1991 were not listed as a PCB or DEHP-containing ballast, and not quantified for disposal. Ballasts without a label indicating "No PCB's" are presumed to be PCB waste, and must be segregated for proper removal, packaging, transport and disposal as PCB waste. Ballasts with date labels indicating manufacture prior to 1991 that indicate "No PCB's" are presumed to contain DEHP and must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. The disposal requirements are slightly varied, and costs are slightly less for DEHP than for PCB-containing light ballasts.

4.1 Results

Several of the light fixtures that were examined were labeled with neither the manufacturer's information, nor a "No PCB's" label. However during the inspection, some types of light ballasts were labeled with a "No PCB's" label. Therefore there is a mixture of assumed PCB-containing and non-PCB-containing light ballasts within the building areas inspected. .

The light ballasts observed in the building were labeled with either the manufacturer's information, or a "No PCBs" label. The light ballasts labeled with the manufacturer's information are assumed to contain PCBs and the light ballasts labeled "No PCBs" are assumed to contain DEHP.

4.2 Conclusions and Recommendations

Ballasts not labeled "No PCBs" and ballasts labeled "No PCBs" were identified during this inspection. If the renovation activities will disturb the materials, the ballasts not labeled "No PCBs" should properly recycled as PCB-containing and the remaining ballast labeled "No PCBs" ballasts should be properly recycled as assumed DEHP.

5 Assessment of Mercury-Containing Devices

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. Mercury lamps according to the EPA are considered a universal waste requiring all fluorescent lamps/tubes to be recycled or disposed as hazardous waste.

On October 28, 2014, EnviroScience's representative Mr. Robert Hobbins performed a visual in-place inventory of mercury amps/tubes, thermostats, and mercury switches.

5.1 Conclusions and Recommendations

No fluorescent light bulbs/tubes, thermostats, switches, or gauges were observed within accessible and visible areas of the Site structure. No further action regarding mercury-containing devices is required.

6 Mold Visual Assessment

On October 28, 2014, EnviroScience representative Mr. Hobbins performed a visual assessment for the presence of suspect mold and water intrusion.

6.1 Observations

No suspected mold growth or evidence of water intrusion was observed on building materials within the structure at the time of the inspection.

7 Airborne Gas Radon Information, Sampling and Procedure

7.1 Radon Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium, which is naturally-occurring in soil and rock throughout the US. Radon gas travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually the gas itself decays into radioactive particles (decay products) that can become trapped in the lungs during human respiration. As these particles in turn decay they release small bursts of radiation, which can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

EPA studies have determined that radon concentrations in outdoor air average approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products can accumulate to a much higher concentration inside a building. The EPA has adopted a recommended action level of 4.0 pCi/L; equal to or above which the EPA recommends that building owners take action to reduce the level of airborne radon gas within the building.

Radon is a colorless, odorless and tasteless gas, and thus, the only way to know whether or not an elevated level of radon is present in a building is to test the air for radon gas. The lowest living level of a dwelling should be measured, as even adjacent rooms can have significantly different levels of radon.

Again, radon is a known human carcinogen. Prolonged exposure to elevated radon concentrations causes an increased risk of lung cancer. Like other environmental pollutants, there is some uncertainty about the magnitude of radon health risks. However, scientists are more certain about radon risks than risks from most other cancer-causing environmental pollutants as estimates of radon risk are based on studies of cancer in humans (underground miners). Additional studies on more typical, non-occupationally exposed, populations are underway.

EPA estimates that radon may cause about 14,000 lung cancer deaths in the US each year, with a range of 7,000 to 30,000. The US Surgeon General has warned that radon gas is the second-leading cause of lung cancer deaths after smoking, and is the leading cause among non-smokers.

7.2 Airborne Radon Sampling

From October 28, 2014 to October 31, 2014, EnviroScience representatives deployed passive radon detection canisters in limited areas within the Site building. The canisters were retrieved at least 48 hours, but not later than 96 hours later. The canisters were supplied by Radon Testing Corporation of America (RTCA).

It is recommended that such canisters be placed at least 20-inches from the floor and 12-inches away from exterior walls. Also, it is recommended that the canisters not be placed near drafts resulting from Heating, Ventilating and Air Conditioning (HVAC) intakes and returns, doors, and at least 36-inches from windows. Also, canisters should not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12-hours prior to testing being conducted.

Sample analysis was performed by RTCA and the results are included in *Appendix E*.

7.3 Airborne Radon Quality Assurance Procedure

EPA strongly recommends that quality assurance measurements are included in radon measurement studies. Quality assurance measurements include side-by-side canisters (duplicates), and unexposed control canisters (blanks).

Duplicates are pairs of canisters deployed in the same location, side-by-side, for the same measurement period. Duplicates are placed in at least ten percent of all sampling locations. These duplicate canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either or both of the analyses in a duplicate pairing is above the EPA recommended action level of 4.0 pCi/L the relative percent difference (RPD) between the two tests must be determined. If the allowable difference is exceeded, the test is determined to be invalid and a new duplicate test must be conducted. If both canister results are below the EPA standard then the RPD is not calculated since, despite any disparity, both results are below the EPA standard.

Blanks are utilized to determine whether the manufacturing, shipping, storage, and processing of the canisters has affected the accuracy of airborne radon gas sampling procedures. Blanks are unopened, unexposed canisters that are deployed with and shipped with the exposed canisters, so the processing laboratory treats them without bias. The number of blanks is at least five percent of the total number of canisters deployed, up to a maximum of 25 canisters.

7.4 Airborne Radon Analytical Results

Four canisters, including one duplicate and one blank, were placed in target locations within the structure during sampling that was performed October 28, 2014 to October 31, 2014. The concentrations of radon in the samples during the assessment ranged from 0.3 pCi/L to 0.8 pCi/L. The EPA recommended action level for radon is 4.0 pCi/L.

Table 3 lists the locations and analytical results of quality control duplicate tests for October 28, 2014 to October 31, 2014.

Table 3
Duplicate Samples Results: October 28, 2014 – October 31, 2014

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Lower Level	2343220 & 2343266	0.8	0.8	0.8	Percent Difference Not Needed (No Concentrations above 4.0 pCi/Liter)

Note Duplicate testing results were satisfactory.

In *Table 4* below, the locations and results of quality control blank tests are listed October 28, 2014 to October 31, 2014.

Table 4
Blank Samples Results: October 28, 2014 – October 31, 2014

Location	Canister Number	Radon Concentration (pCi/Liter)
Upper Level–Living Room	2343198	0.3

Note Blank testing results were satisfactory

In *Table 5* below, the locations, canister numbers, and radon concentrations are listed for the airborne radon assessment conducted on October 28, 2014 to October 31, 2014.

Table 5
Radon Sampling Results – October 28, 2014 – October 31, 2014

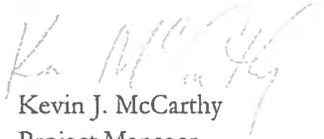
Location	Canister Numbers	Radon Concentration (pCi/Liter)
Lower Level	2343220	0.8
Upper Level–Living Room	2343269	0.6

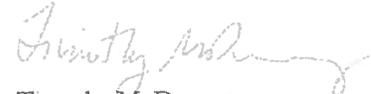
7.5 Conclusions and Recommendations

During the course of the initial radon gas measurement assessment, four sampling canisters, including one duplicate and one blank, were placed in targeted locations within the Site building. The analytical results of each of the four samples analyzed indicated radon gas concentrations below the EPA recommended action level of 4.0 pCi/L. No further action regarding radon gas is required.

Report prepared by Environmental Technician Robert Hobbins.

Reviewed by:

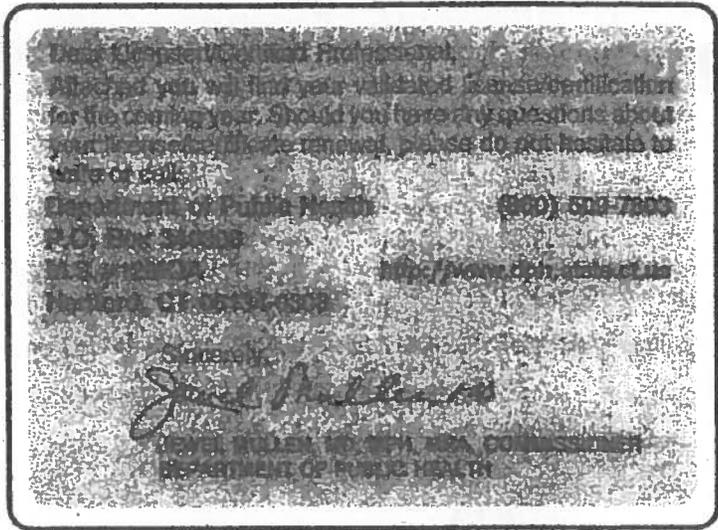

Kevin J. McCarthy
Project Manager


Timothy M. Downey
Senior Project Manager

Appendix A

Fuss & O'Neill EnviroScience State Licenses, Certifications and Accreditations

0001086 FP **PRBRT T5 0 0584 08040
JOHN R. HOBBS
 C/O FUSS & O'NEILL ENVROSCIENCE, LLC
 146 HARTFORD ROAD
 MANCHESTER CT 06040



INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employee and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT
 DEPARTMENT OF PUBLIC HEALTH
 PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
 THIS INDIVIDUAL HAS BEEN LICENSED AS A
ASBESTOS CONSULTANT INSPECTOR

JOHN R. HOBBS

License No. 000700
 CURRENT THROUGH 01/31/15
 VALIDATION NO. 03-706742

John R. Hobbs *John R. Hobbs*

EMPLOYER'S COPY
STATE OF CONNECTICUT
 DEPARTMENT OF PUBLIC HEALTH
 NAME
JOHN R. HOBBS
 VALIDATION NO. 03-706742 LICENSE NO. 000700 CURRENT THROUGH 01/31/15
 PROFESSION
ASBESTOS CONSULTANT INSPECTOR

John R. Hobbs *John R. Hobbs*

WALLET CARD
STATE OF CONNECTICUT
 DEPARTMENT OF PUBLIC HEALTH
 NAME
JOHN R. HOBBS
 VALIDATION NO. 03-706742 LICENSE NO. 000700 CURRENT THROUGH 01/31/15
 PROFESSION
ASBESTOS CONSULTANT INSPECTOR

John R. Hobbs *John R. Hobbs*

Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 -- (860) 646-2469

This is to certify that

John Robert Hobbins

xxx-xx-6853

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II
40 CFR Part 763


John Rowinski, Principal Instructor

September 3, 2014
Date of Course

September 3, 2014
Examination Date


Robert L. May, Jr., Training Manager

AI-R-09/14-6
Certificate Number

September 3, 2015
Expiration Date

John R. Hobbins
 C/O FUSS & O'NEILL ENVIROSCIENCE, LLC
 146 HARTFORD ROAD
 MANCHESTER, CT 06040

Dear Licensed/Certified Professional,
 Attached you will find your assigned notification form for the coming year. Should you have any questions about your form, notification assignment, please do not hesitate to write or call:

Department of Public Health
 P.O. Box 346309
 M.S. #111414
 Hartford, CT 06134-8309

(860) 509-7609

<http://www.dph.state.ct.us>



JEWEL MILLER, MD, MPH, MPA, COMMISSIONER
 DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

1. District and sign each of the cards on this form.
2. Display the form(s) in a prominent place in your office or plant of business.
3. The notice card is not your property. If you do not wish to carry the notice each year to a suitable place.

4. The employer's copy is for persons who must demonstrate correct housekeeping practices in order to correct equipment or problems. The employer's form is to be returned to the employer and kept for three (3) years of your business life. Only one copy of this form can be supplied to you.

John R. Hobbins
 Lead Inspector

PROFESSIONAL NO.
 408

CURRENT THROUGH
 01/31/2015

Jewel Miller
 Commissioner

John R. Hobbins
 Lead Inspector

PROFESSIONAL NO.
 408

CURRENT THROUGH
 01/31/2015

John R. Hobbins
 Lead Inspector

PROFESSIONAL NO.
 408

CURRENT THROUGH
 01/31/2015

CERTIFICATE OF ACHIEVEMENT

This certifies that

John Robert Hobbins
97 Montowese Street, Branford, CT 06405
0800-80-6853

has successfully completed the

INSPECTOR REFRESHER

Training Course
conducted by
Cardno ATC
73 Williams Bunches Drive
West Springfield, MA 01089
(413) 781-8070

Neil P. Spald
Principal Instructor, Neal Preaders

January 30, 2014
Date of Course

CTIAR-203
Certificate Number

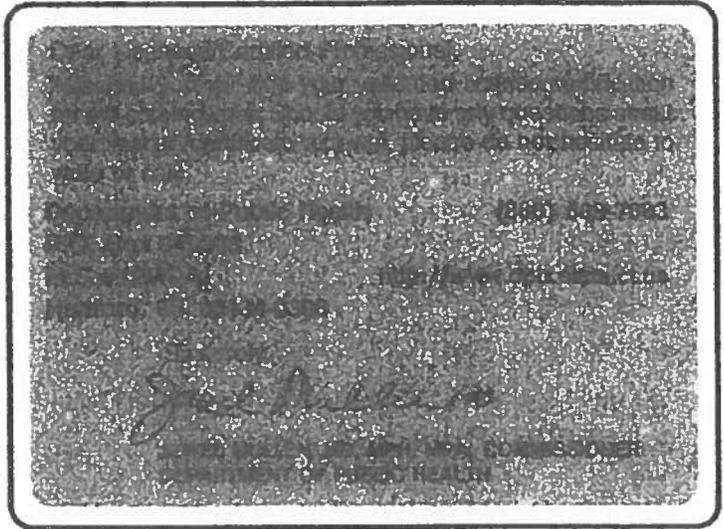
January 30, 2014
Exam Date

January 30, 2015
Expiration Date

Gregory J. Mavoch
Training Manager, Gregory Mavoch

Training received complies with the requirements of the
Connecticut Department of Public Health pursuant to Section
477 of the Connecticut General Statutes.

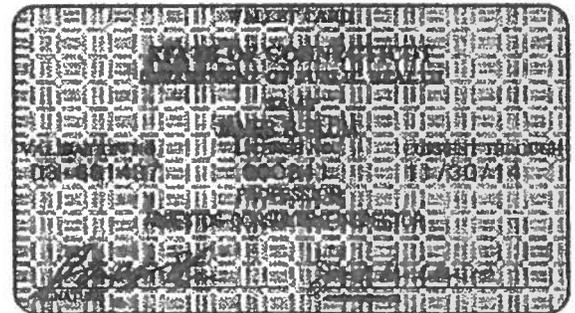
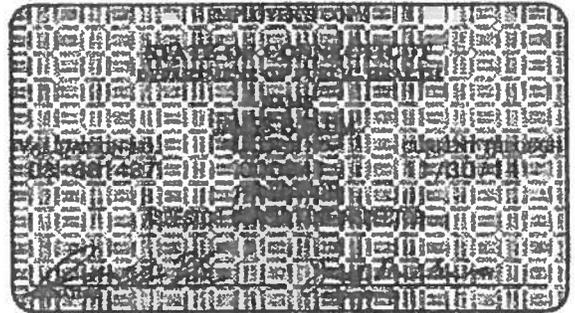
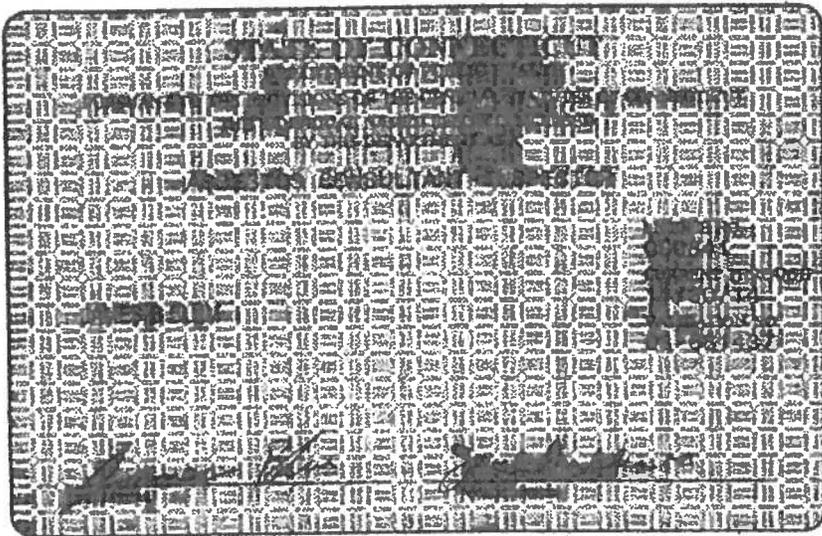
0001672 FP **PRRT TO 0 1684 08040
JAMES B BLUM
FUSS & O'NEILL ENVIROSCIENCE LLC
146 HARTFORD RD
MANCHESTER CT 06040-5992



INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.



Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

James Blum

xxx-xx-1625

has successfully completed the
4 Hr. Asbestos Inspector Refresher
Asbestos Accreditation under TSCA Title II
40 CFR Part 763


John Rowinski, Principal Instructor

September 3, 2014

Date of Course

September 3, 2014

Examination Date


Robert L. May, Jr., Training Manager

AI-R-09/14-2

Certificate Number

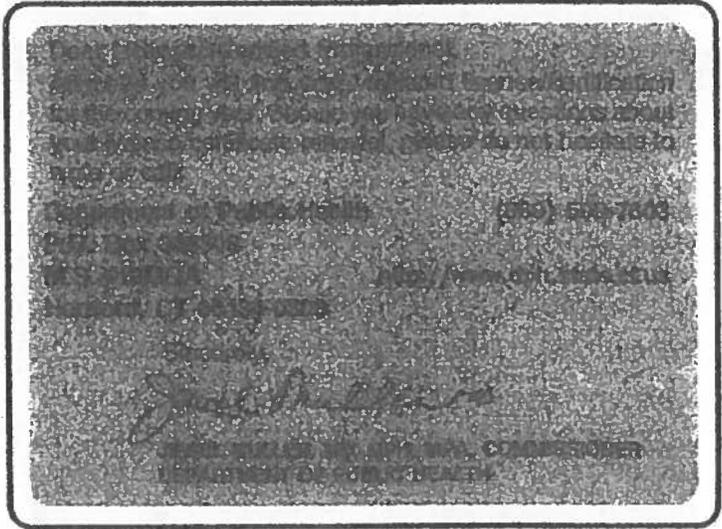
September 3, 2015

Expiration Date

0001674 FP

**PRSR TO 0 1684 06040

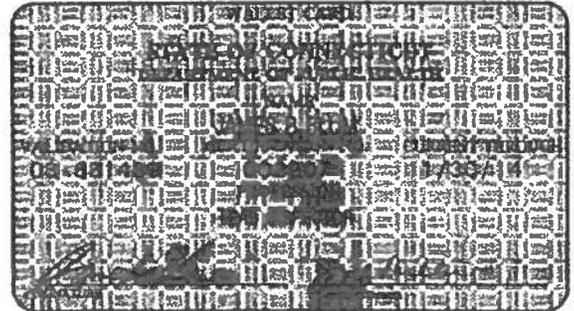
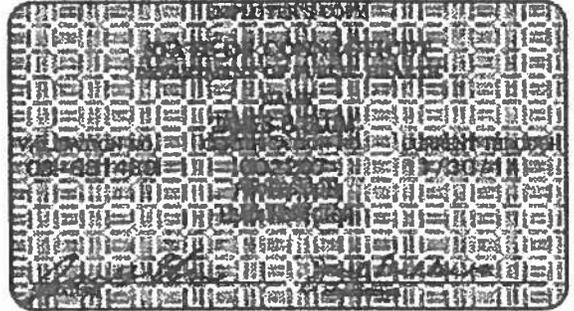
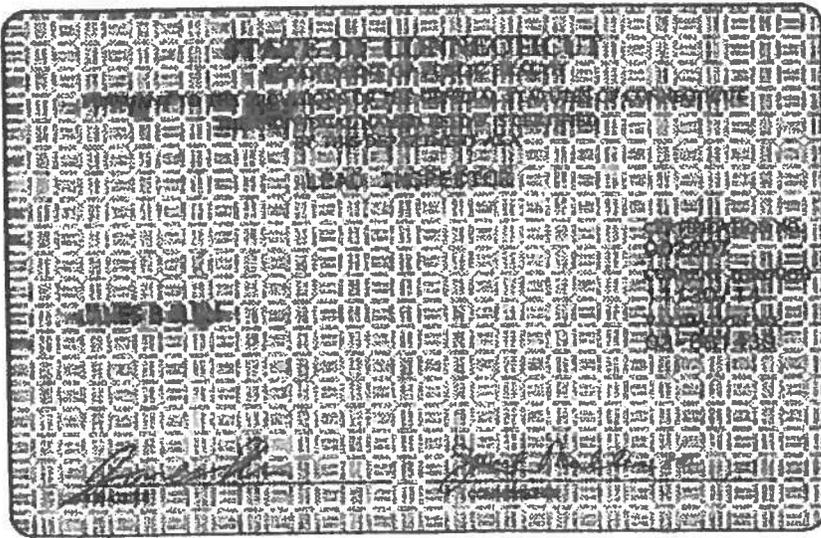
JAMES B BLUM
FUSS & O'NEILL ENVROSCIENCE LLC
146 HARTFORD RD
MANCHESTER CT 06040-5992



INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/ certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.



Fuss & O'Neill EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040 – (860) 646-2469

This is to certify that

James Blum

xxx-xx-1625

has successfully completed the
8 Hour Lead Inspector Risk Assessor Refresher Course
(Approved per Sec. 20-477, CT General Statutes)

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.



Brian Santos, Principal Instructor

February 20 & 25, 2014

Date of Course

February 25, 2014

Examination Date



Robert L. May, Jr., Training Manager

LIRA-R-02/14-3

Certificate Number

February 25, 2015

Expiration Date

Appendix B

Asbestos Lab Report and Chain-of-Custody Forms



FUSS & O'NEILL
EnviroScience, LLC

041432130

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 2

Project Name: QA - Storm Sandy 10 Silver Street Project No. 20140277.D8E
Building: 10 Silver Street, Milford, CT Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Result (%)
1028JB-01A	2 nd Floor	Gray Sheetrock Wall	
1028JB-01B	2 nd Floor	Gray Sheetrock Wall	
1028JB-02A	2 nd Floor	White Taping /Joint Compound	
1028JB-02B	2 nd Floor	White Taping /Joint Compound	
1028JB-03	2 nd Floor	Sheetrock/Taping Compound Composite	
1028JB-04A	2 nd Floor	Black Paper Backing on Fiber Glass Batt Insulation	14 OCT 29 AM 11:32 EMSL CINNAMINSON, NJ
1028JB-04B	2 nd Floor	Black Paper Backing on Fiber Glass Batt Insulation	
1028JB-05A	2 nd Floor - Under Wood Flooring	Tan 9"x9" Floor Tile	
1028JB-05B	2 nd Floor - Under Wood Flooring	Tan 9"x9" Floor Tile	
1028JB-05C	2 nd Floor - Under Wood Flooring	Tan 9"x9" Floor Tile	
1028JB-06A	2 nd Floor - Under Wood Flooring	Black Mastic assoc. with Tan Floor Tile	
1028JB-06B	2 nd Floor - Under Wood Flooring	Black Mastic assoc. with Tan Floor Tile	

Analysis Method: PLM Other Turnaround Time 3 Days

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: . Please call the EnviroScience Laboratory if analyses will be late at (203) 374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No Point Count

Samples collected by: J. Blum Date: 10-28 Time: 10:00
Samples [Rec'd][Sent by] J Date: 10-28 Time: 15:00
Samples Received by: VC EASL NY Date: 10/29/14 Time: 9:30

Shipped To: EMSL State NJ Other

Method of Shipment: Fed Ex UPS Overnight UPS Ground Other
F:\P2014\0277\D8E\Lab Data\Bulk_COC_JB_2014-1028.doc

22



FUSS & O'NEILL
EnviroScience, LLC

041432130

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 2 of 2

Project Name: QA - Storm Sandy 10 Silver Street Project No. 20140277.D8E

Building: 10 Silver Street, Milford, CT Project Manager: Kevin McCarthy

Sample ID	Sample Location	Material	Result (%)
1028JB-06C	2 nd Floor - Under Wood Flooring	Black Mastic assoc. with Tan Floor Tile	
1028JB-07A	2 nd Floor - Closet/Storage under Staircase	Red/Brown Self-Sticking Flooring	
1028JB-07B	2 nd Floor - Closet/Storage under Staircase	Red/Brown Self-Sticking Flooring	
1028JB-08A	2 nd Floor	Gray Floor Grout	
1028JB-08B	2 nd Floor	Gray Floor Grout	
1028JB-09A	2 nd Floor	Gray Floor Thin Set	
1028JB-09B	2 nd Floor	Gray Floor Thin Set	
1028JB-10A	3 rd Floor - on Existing Original Exterior Siding	Black Damp-proofing/Paper/Tar	14 OCT 29 AM 11:32 EMSL CINNAMINSON, NJ
1028JB-10B	3 rd Floor - on Existing Original Exterior Siding	Black Damp-proofing/Paper/Tar	
1028JB-10C	3 rd Floor - on Existing Original Exterior Siding	Black Damp-proofing/Paper/Tar	

Analysis Method: PLM Other

Turnaround Time 3 Days

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: ____ Please call the EnviroScience Laboratory if analyses will be late at (203) 374-3748.

Fax Results to the EnviroScience Laboratory at: 888-838-1160.

Special Instruction: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. No Point Count

Samples collected by: SB/lan Date: 10-28-14 Time: 1000

Samples [Rec'd][Sent by] L ll Date: ll 2 Time: 1500

Samples Received by: _____ Date: _____ Time: _____

Shipped To: EMSL State NJ Other _____

Method of Shipment: Fed Ex UPS Overnight UPS Ground Other



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (800) 220-3675 / (856) 786-5974
<http://www.EMSL.com> cinmaslab@EMSL.com

EMSL Order: 041432130
 CustomerID: ENVI54
 CustomerPO: 20140277.D8E
 ProjectID:

Attn: **Kevin McCarthy**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 10/29/14 9:30 AM
 Analysis Date: 10/31/2014
 Collected: 10/28/2014

Project: **QA - Storm Sandy 10 Silver Street / 10 Silver Street, Milford, CT**

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
1028JB-01A 041432130-0001	2nd Floor - Gray Sheetrock Wall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
1028JB-01B 041432130-0002	2nd Floor - Gray Sheetrock Wall	Brown/Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
1028JB-02A 041432130-0003	2nd Floor - White Taping / Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-02B 041432130-0004	2nd Floor - White Taping / Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-03 041432130-0005	2nd Floor - Sheetrock/Taping Compound Composite	Gray/White Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
1028JB-04A 041432130-0006	2nd Floor - Black Paper Backing On Fiber Glass Batt Insulation	Brown/Black Fibrous Homogeneous	70% Cellulose 20% Min. Wool	10% Non-fibrous (other)	None Detected
1028JB-04B 041432130-0007	2nd Floor - Black Paper Backing On Fiber Glass Batt Insulation	Brown/Black Fibrous Homogeneous	65% Cellulose 15% Min. Wool	20% Non-fibrous (other)	None Detected
1028JB-05A 041432130-0008	2nd Floor - Under Wood Flooring - Tan 9"x9" Floor Tile	Tan Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile

Analyst(s)

Brett Poulton (11)
 Felix Anusiem (9)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-fragile organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, ARHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/31/2014 18:21:41



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (800) 220-3675 / (856) 786-6974
<http://www.EMSL.com> cinnasblab@EMSL.com

EMSL Order: 041432130
 CustomerID: ENVI54
 CustomerPO: 20140277.D8E
 ProjectID:

Attn: **Kevin McCarthy**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 10/29/14 9:30 AM
 Analysis Date: 10/31/2014
 Collected: 10/28/2014

Project: QA - Storm Sandy 10 Silver Street / 10 Silver Street, Milford, CT

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
1028JB-05B 041432130-0009	2nd Floor - Under Wood Flooring - Tan 9"x9" Floor Tile				Stop Positive (Not Analyzed)
1028JB-05C 041432130-0010	2nd Floor - Under Wood Flooring - Tan 9"x9" Floor Tile				Stop Positive (Not Analyzed)
1028JB-06A 041432130-0011	2nd Floor - Under Wood Flooring - Black Mastic Assoc. With Tan Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-06B 041432130-0012	2nd Floor - Under Wood Flooring - Black Mastic Assoc. With Tan Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-06C 041432130-0013	2nd Floor - Under Wood Flooring - Black Mastic Assoc. With Tan Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-07A 041432130-0014	2nd Floor - Closet/Storage Under Staircase - Red/Brown Self Sticking Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Brett Poulton (11)
 Felix Anusiem (9)

Stephen Segel, CIH, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/31/2014 18:21:41



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (800) 220-3676 / (856) 786-5974
<http://www.EMSL.com> cinnaslab@EMSL.com

EMSL Order: 0414-32130
 CustomerID: ENVI54
 CustomerPO: 20140277.D8E
 ProjectID:

Attn: **Kevin McCarthy**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 10/29/14 9:30 AM
 Analysis Date: 10/31/2014
 Collected: 10/28/2014

Project: QA - Storm Sandy 10 Silver Street / 10 Silver Street, Milford, CT

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
1028JB-07B 041432130-0015	2nd Floor - Close/Storage Under Staircase - Red/Brown Self Sticking Flooring	Brown/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-08A 041432130-0016	2nd Floor - Gray Floor Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-08B 041432130-0017	2nd Floor - Gray Floor Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-09A 041432130-0018	2nd Floor - Gray Floor Thin Set	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-09B 041432130-0019	2nd Floor - Gray Floor Thin Set	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1028JB-10A 041432130-0020	3rd Floor - On Existing Original Exterior Siding - Black Damp - Proofing / Paper / Tar	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
1028JB-10B 041432130-0021	3rd Floor - On Existing Original Exterior Siding - Black Damp - Proofing / Paper / Tar	Black Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected

Analyst(s)

Brett Poulton (11)
 Felix Anusiem (9)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/31/2014 18:21:41



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (800) 220-3676 / (856) 786-5974
<http://www.EMSL.com> cinnasblab@EMSL.com

EMSL Order: 041432130
 CustomerID: ENVI54
 CustomerPO: 20140277.D8E
 ProjectID:

Attn: **Kevin McCarthy**
Fuss & O'Neill EnviroScience, LLC
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 10/29/14 9:30 AM
 Analysis Date: 10/31/2014
 Collected: 10/28/2014

Project: QA - Storm Sandy 10 Silver Street / 10 Silver Street, Milford, CT

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
1028JB-10C	3rd Floor - On Existing Original	Black Fibrous	75% Cellulose	25% Non-fibrous (other)	None Detected
041432130-0022	Exterior Siding - Black Damp - Proofing / Paper / Tar	Homogeneous			

Analyst(s)

Brett Poulton (11)
 Felix Anusiem (9)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101046 0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10672, NJ DEP 03036, PA ID# 68 00367

Initial report from 10/31/2014 18:21:41

Appendix C

Lead Paint Testing Procedures and Equipment

Standard Operating Procedures HUD and State of Connecticut Lead-Based Paint Inspections

Testing Procedures and Equipment

The U. S. Department of Housing and Urban Development (HUD) "Guidelines for the Evaluation and Control of Lead Hazards in Housing, September 1997" were consulted for this lead evaluation. HUD has been the agency at the federal level with responsibility for the establishment of national lead-based paint standards for testing and abatement. The HUD document will be referenced as the Guidelines in this report. The State of Connecticut Department of Public Health's current lead regulations, Lead Poisoning Prevention and Control (19a-111-1 through 19a-111-11) were also consulted.

This lead evaluation was comprehensive. A comprehensive inspection means that representative painted surfaces were systematically evaluated on a room-by-room basis in accordance with the Guidelines and the State of Connecticut regulations.

Lead-based paint surfaces and components were identified by utilizing on-site x-ray fluorescence (XRF) instruments. EnviroScience Consultants, Inc. owns and utilizes Radiation Monitoring Device LPA-1s (RMD instruments) exclusively for lead-based paint testing. Each instrument is operated in accordance with state and federal and manufacturer standards on the use of the instruments. State and federal protocols provide, with the exception of wall surfaces, one reading with the instrument on a representative component in each room, i.e., baseboard, chair rail, etc., as sufficient to establish the lead paint classification of all the representatives of that component type in a room. In the case of walls, because of the large spatial areas involved and the variability in lead content in paint over such large areas, the federal and state governments want a reading on each wall surface in a room. Therefore, representative testing is not permitted for walls.

The federal government has developed Performance Characteristic Sheets (PCS) for the type of instrument cited above. Each instrument must be calibrated in accordance with these PCSs on a 1.0-milligram lead standard. Each of EnviroScience's instruments has one of these standards assigned to it. Some of the standards were purchased directly from the government and the others from the manufacturers of the instruments.

For the RMD in the standard reading mode on metal, a Substrate Equivalent Lead (SEL) concentration has to be determined. To determine the SEL, the paint is removed from the surface of the component to obtain a bare substrate reading. After removing the paint, the surface is wiped with a 5% trisodium phosphate solution (a heavy duty cleaner). All paint residue is collected and properly disposed. Once the paint and surrounding area are cleaned, the XRF is utilized to determine the SEL for each surface. The SEL values are subtracted from the XRF values to determine the Corrected Lead Concentration (CLC). The CLC is the lead content of the paint on the component tested.

The RMD instrument has federal government-determined positive and negative ranges for the definition of lead-based paint. XRF results are classified using either the threshold or the inconclusive range. For the threshold, results are classified as positive if they are greater than or equal to the threshold and negative if they are less than the threshold. There is no inconclusive

classification when using the threshold values associated with an RMD instrument. The ranges for the RMD instrument and their various operating modes are as follows:

Radiation Monitoring Device LPA Analyzer 1

30-Second Standard Mode Reading Description	Substrate	Threshold (mg/cm ²)
Results corrected for substrate bias on metal substrate only.	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

Quick Mode Reading Description	Substrate	Threshold (mg/cm ²)	Inconclusive Range (mg/cm ²)
Readings not corrected for substrate bias on any substrate.	Brick	1.0	None
	Concrete	1.0	None
	Drywall	1.0	None
	Metal	1.0	None
	Plaster	1.0	None
	Wood	1.0	None

Prior to the start of any testing, a sketch of the building is drawn, and side designations are given to help identify exactly where readings were taken. Drawings depicting the room-numbering scheme are located on the cover page(s) for the building(s) inspected. Each side of the building was labeled A, B, C, or D. The wall "A" side of the unit is generally the side of primary entrance into a dwelling, and this room is always Room 1. Areas in the units include rooms, hallways, and closets. Areas are numbered in a clockwise fashion as building construction allows. This allows the inspector to indicate which substrate surface was tested. The condition of the surface is described by a check mark in the appropriate column, under the heading "condition of surface" on the testing form.

When more than one surface type was present on a side, the component tested was indicated with a number. If two windows were present on a building side, they were numbered left to right. Closet shelves and shelf supports were numbered top to bottom.

It is understood that the room layouts presented in the report are in conformance with the conditions that exist at the time the testing is performed. EnviroScience avoids labeling a room solely by its current functional use (i.e., living room, bedroom, etc.) since this use can change over time. Similarly, room layouts can change dramatically as dwellings are renovated and additions are built, incorporating existing rooms, or existing interior walls are moved or eliminated altogether.

Appendix D

Lead Testing Field Data Sheets



LEAD INSPECTION COVER SHEET

Inspector's Information

Inspector's Name: Robert Hobbins License Number: 2156
 XRF Model: LPA - 1B Serial Number: 1377
 Date of Inspection: October 28, 2014 Project Number: 20140277.D8E

Property Information

Building Address: 10 Silver Street
(Street)
Milford CT Age of Property: NA
(City) (State)
 Describe Structure: interior sheetrock ceilings/walls, wood/vinyl windows and doors, wood and concrete floors
Exterior vinyl siding and wood trim

Are there lead hazards present? Yes No
 Were lead dust wipes taken? Yes No
 Were soil samples collected? Yes No
 Were drinking water samples collected? Yes No

Multiple Family Dwelling

Number of units in building: _____
 Number of units tested: _____
 Is there an EBL child present in the building?
 Yes No Unknown
 If EBL child, which unit(s)? _____
 Is there a child under six years of age in the building?
 Yes No Unknown
 If child under six, which unit(s)? _____

Single Family Dwelling

Is there an EBL child present?
 Yes No Unknown
 Is there a child under six years of age in the dwelling?
 Yes No Unknown

XRF Calibration Check

Calibration Paint Film Used: NIST 1.02 mg/cm² Manufacturer's Standard 1.0 mg/cm²
 Calibration Check Limits Used: RMD (0.7 to 1.3 mg/cm² inclusive)
 Scitec MAP4 (0.6 to 1.2 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	0920	1.0	1.1	1.1	1.06
Second Check	1100	1.2	1.3	1.0	1.16
Third Check	1315	1.0	1.2	1.1	1.10
Fourth Check					

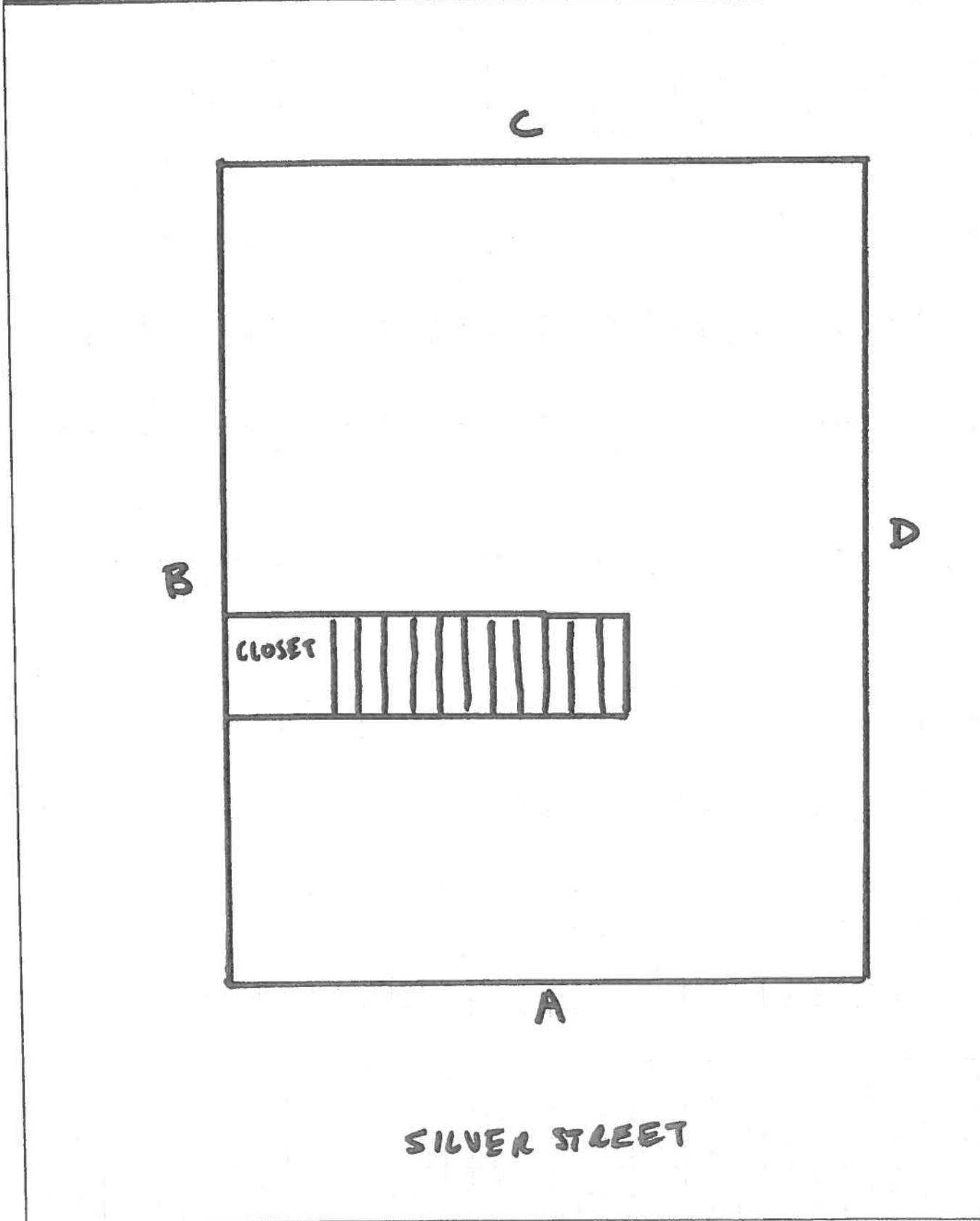


FUSS & O'NEILL

Prepared By	Date	Checked By	Date	Project No
-------------	------	------------	------	------------

2ND FLOOR (MAIN FLOOR)

Sheet No
of





FUSS & O'NEILL

Prepared By

Date

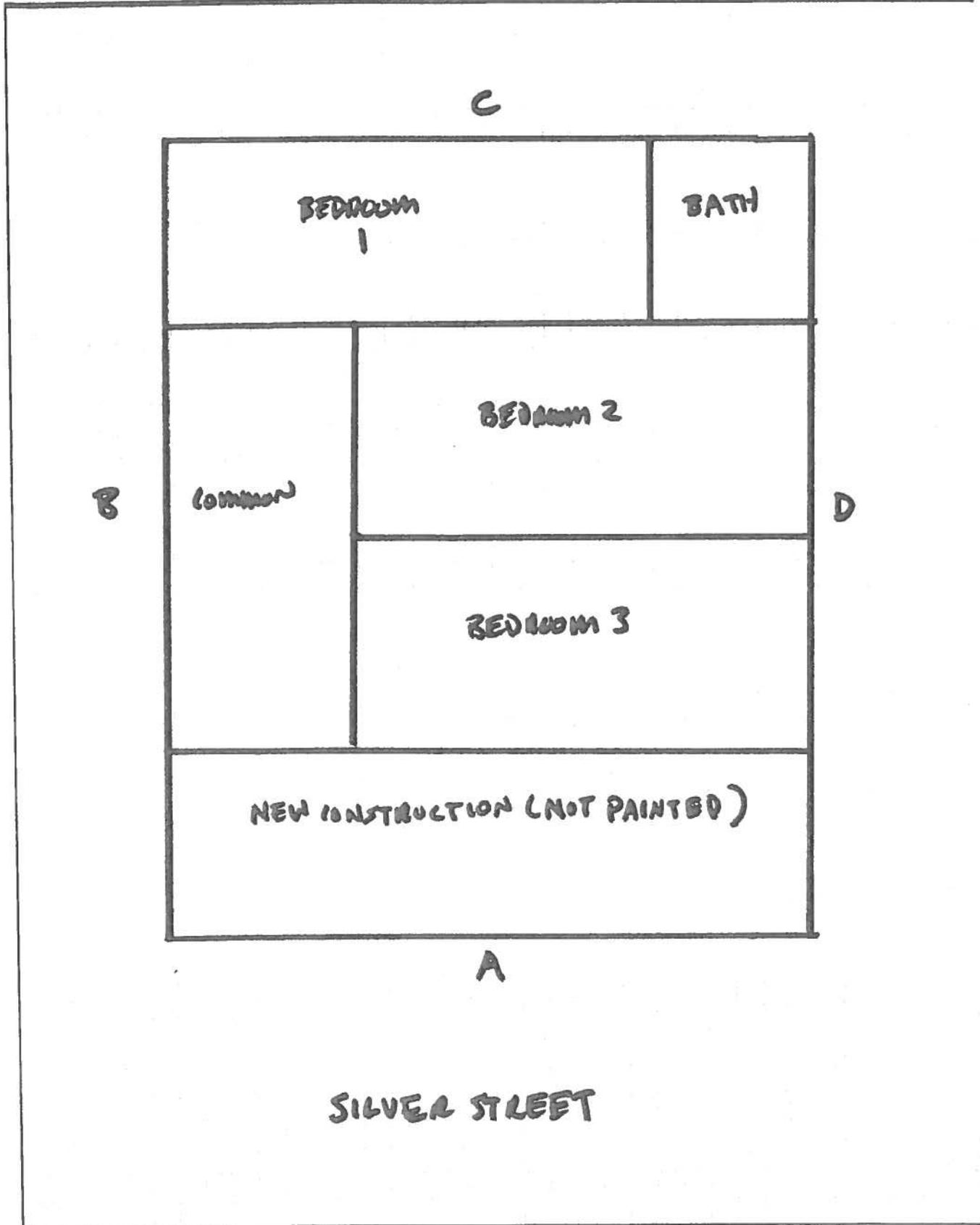
Checked By

Date

Project No

3RD FLOOR

Sheet No
of





XRF FIELD DATA SHEET - INTERIOR ROOM

Address: 10 Silver St. Milford, CT
 Floor: 7th Floor Room: Front Entry
 Project Name: QA-Sandy Rehab Project Number: _____
 Project Manager: K. McCarthy (If Positive - Check All That Apply)

Apt. #: _____
 Page 1 of 9
20141031 D&E
20140277.D&E

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards									
A	Wall	0.0		SR	Tan					
B	Wall	0.1		SR	Brown					
C	Wall	-0.3		SR	Tan					
D	Wall	0.1/0.1		SR/W	Tan					
	Chair rail									
	Ceiling	0.3		SR	WHT.					
	Crown Molding	-0.0		W	Green					
	Door	-0.1		W	WHT.					
	Casing	-0.3		W	WHT.					
	Jamb	-0.1		W	WHT.					
	Door									
	Casing									
	Jamb									
	Window Trim	-0.1			green					
	Sill	0.1			↓					
	Sash	-0.0								
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
	Riser	0.1		W	green					Stairwell
	Stringer	0.1		W	green					↓
	Stringer Cap	0.0		W	green					
A	Wall	-0.1		SR	Tan					
C	Wall	0.3		SR	Tan					

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
 N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement
 Notes: _____



XRF FIELD DATA SHEET - INTERIOR ROOM

Address: 10 Silver St, Milford, CT
 Floor: 3rd Room: Bedroom 1
 Project Name: QA-Sandy Rehab Project Number: _____
 Project Manager: K. McCarthy (If Positive - Check All That Apply)

Apt. #: _____
 Page 2 of 9
 2014 ~~10~~ 11 D8E
 0277

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	0.2		W	WHT.					
A	Wall	0.3		SR	Tan					
B	Wall	0.2								
C	Wall	-0.0			WP					
D	Wall	-0.1								
	Chair rail									
	Ceiling	0.0		SR	WHT.					
	Crown Molding									
	Door	-0.1		W	WHT.					
	Casing	0.1		W	WHT.					
	Jamb	0.1		W	WHT.					
	Door									
	Casing									
	Jamb									
	Window Trim									
	Sill									
	Sash									
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator	NC								
	Wall Molding									
A	WHT	-0.1		Platrol						closet
	ceiling	-0.1		SR						
A	Wall	-0.1		WP						Platrol
B		-0.1								
C		0.1								
D		0.1								

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
 N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement
 Notes: _____

ceiling -0.1 SR



XRF FIELD DATA SHEET - INTERIOR ROOM

Address: 10 Silver St. Milford, CT
 Floor: 3rd Room: Bedroom 3
 Project Name: QA-Sandy Rehab Project Number: _____
 Project Manager: K. McCarthy (If Positive - Check All That Apply)

Apt. #: _____
 Page 4 of 9
20141031.D8E
2040277.08E

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	0.1		W	WHT.					
A	Wall	0.0		SR	green					
B	Wall	0.1			gr					
C	Wall	-0.0			gr.					
D	Wall	-0.2			yellow					
	Chair rail									
	Ceiling	0.0		SR	WHT.					
	Crown Molding									
	Door	NC								
	Casing	0.2		W						
	Jamb	0.1		W						
	Door									
	Casing									
	Jamb									
	Window Trim	0.1		W	WHT.					
	Sill	0.1		W	WHT.					
	Sash	NC		Vinyl						
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf	-0.1		W						
	Shelf Supports	0.1		W						
	Radiator	NC		M						
	Wall Molding									
B	Wgn	0.3		SR						closet
D	Wgn	0.1		SR						I
	Basin	-0.2		W						

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B
 N/A = Not Accessible; N/C = Not Coated; COV = Covered; VR = Vinyl Replacement
 Notes: _____



XRF FIELD DATA SHEET - EXTERIOR OF SIDE A

Address: 10 Silver St, Milford, CT Page 6 of 9

Project Name: QA-Storm Sandy Rehab Project Number: 20141031.D8E

Project Manager: K. McCarthy 20140277.D8E

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	-0.								
	Skirt Board	-0.0		✓						
	Corner Boards	-0.1		✓						
	Siding	0.0		✓						
	Upper Trim									
	Door	-0.0		W						
	Casing	-0.1		W						
	Jamb	-0.0		W						
	Threshold	NC								
	Kick Board	NC								
	Storm Door	NC								
	Window Sill									
	Trim									
	Sash									
	Blind Stops									
	Storm Window									
	Basement Sash									
	Frame									
	Bulkhead									
	Downspouts									
	Porch Floor									
	Ceiling Joist									
	Lower Trim									
	Lower Railing									
	Balusters									
	Railing Cap									
	Ceiling									
	Lattice									
	Lattice Frame									
	Support Columns									
	Column Base									
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									



FUSS & O'NEILL
EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

XRF FIELD DATA SHEET - EXTERIOR OF SIDE 5

Address: 10 Silver St, Milford, CT Page 7 of 9

Project Name: QA-Storm Sandy Rehab Project Number: 20141031.D8E

Project Manager: K..McCarthy 20140277.D8E

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation									
	Skirt Board									
	Corner Boards									
	Siding	0.2/-0.1		V/W	grey					
	Upper Trim									
	Door	0.2		m	WHT.					
	Casing	0.1		w	WHT.					
	Jamb	0.2		w	WHT.					
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill									
	Trim									
	Sash									
	Blind Stops									
	Storm Window									
	Basement Sash									
	Frame									
	Bulkhead									
	Downspouts									
	Porch Floor	0.1		w	Blue					
	Ceiling Joist									
	Lower Trim									
	Lower Railing									
	Balusters	0.1		w	grey					
	Railing Cap	0.1		w	grey					
	Ceiling									
	Lattice									
	Lattice Frame									
	Support Columns									
	Column Base									
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									



XRF FIELD DATA SHEET - EXTERIOR OF SIDE C

Address: 10 Silver St. Milford, CT

Page 108 of 9

Project Name: QA-Storm Sandy Rehab

Project Number: 20141031.D8E

Project Manager: K. McCarthy

2040277-DBE

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation									
	Skirt Board	0.1		W	Grey					
	Corner Boards	0.0		W	Grey					
	Siding	0.4		W	Grey					
	Upper Trim	IA								
	Door									
	Casing									
	Jamb									
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill									
	Trim									
	Sash									
	Blind Stops									
	Storm Window									
	Basement Sash									
	Frame									
	Bulkhead									
	Downspouts									
	Porch Floor									
	Ceiling Joist									
	Lower Trim									
	Lower Railing									
	Balusters	0.0		W						
	Railing Cap	0.1		W						
	Ceiling									
	Latice									
	Latice Frame									
	Support Columns									
	Column Base	0.1		W						
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									



XRF FIELD DATA SHEET - EXTERIOR OF SIDE D

Address: 10 Silver St, Milford, CT

Page 7 of 9

Project Name: QA-Storm Sandy Rehab

Project Number: 20141031.D8E

Project Manager: K. McCarthy

20140277.D8E

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation									
	Skirt Board									
	Corner Boards									
	Siding	-0.1		✓						
	Upper Trim	IA		✓						
	Door									
	Casing									
	Jamb									
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	NC		✓						
	Trim	NC		✓						
	Sash	NC		✓						
	Blind Stops									
	Storm Window									
	Basement Sash									
	Frame									
	Bulkhead									
	Downspouts									
	Porch Floor									
	Ceiling Joist									
	Lower Trim									
	Lower Railing									
	Balusters									
	Railing Cap									
	Ceiling									
	Lattice									
	Lattice Frame									
	Support Columns									
	Column Base									
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									

Appendix E

Airborne Radon Gas Assessment Results and Chain-of-Custody Form



Radon Testing Summary Sheet

Contact/Phone #: Bob Hobbins/203-374-3748 x3526
 Project #: 20140277.D8E
 Building: 10 Silver Street
 Address: 10 Silver Street
Milford CT 06460

Placed by: R. Hobbins
 Retrieved by: BH
 Start Date: 10-28-14
 Stop Date: 10-31-14
 Weather at Placement: Sunny 60°

email results to jhobbins@fando.com

Instructions: Tear off center bar coded label from canister and affix to sheet in spaces provided. Please make sure top bar coded label is left on detector. Identify test location for each detector in space provided for that detector (room #, location in room, etc.). Use additional labels if necessary. Please

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2343220



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2343220

Start Time: 9:08
 Stop Time: 9:01
 Identifier: _____

Lower Level

Start Time: 9:10
 Stop Time: 9:03
 Identifier: _____

Upper Living Room

Start Time: _____
 Stop Time: _____
 Identifier: _____

Start Time: _____
 Stop Time: _____
 Identifier: _____

Start Time: _____
 Stop Time: _____
 Identifier: _____

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2343266



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2343266

Start Time: 9:08
 Stop Time: 9:01
 Identifier: _____

Lower Level - D

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2343198



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS
2343198

Start Time: _____
 Stop Time: _____
 Identifier: _____

Upper Living Room - B

Start Time: _____
 Stop Time: _____
 Identifier: _____

Start Time: _____
 Stop Time: _____
 Identifier: _____

Start Time: _____
 Stop Time: _____
 Identifier: _____

Site Radon Inspection Report

Date : 11/03/2014

Ms. Karron Redfield
Fuss & O'Neill Envirosience, LLC
146 Hartford Road
Manchester, CT 06040-

Client: 20140277.D8E
Test Location: 10 Silver Street
Milford, CT 06460-

Individual Canister Results

Canister ID# : 2343198
Canister Type : Charcoal Canister 3 inch
Location : Upper Living Rm B
Radon Level : 0.3 pCi/L
Error for Measurement is: \pm 0.2 pCi/L

Test Start : 10/28/2014 @ 09:08
Test Stop : 10/31/2014 @ 09:01
Received: 11/03/2014 @ 09:27
Analyzed: 11/03/2014 @ 11:05

Canister ID# : 2343220
Canister Type : Charcoal Canister 3 inch
Location : Lower level
Radon Level : 0.8 pCi/L
Error for Measurement is: \pm 0.3 pCi/L

Test Start : 10/28/2014 @ 09:08
Test Stop : 10/31/2014 @ 09:01
Received: 11/03/2014 @ 09:27
Analyzed: 11/03/2014 @ 11:05

Canister ID# : 2343266
Canister Type : Charcoal Canister 3 inch
Location : Lower Level D
Radon Level : 0.8 pCi/L
Error for Measurement is: \pm 0.3 pCi/L

Test Start : 10/28/2014 @ 09:08
Test Stop : 10/31/2014 @ 09:01
Received: 11/03/2014 @ 09:27
Analyzed: 11/03/2014 @ 11:05

Canister ID# : 2343269
Canister Type : Charcoal Canister 3 inch
Location : Upper Living Rm
Radon Level : 0.6 pCi/L
Error for Measurement is: \pm 0.3 pCi/L

Test Start : 10/28/2014 @ 09:10
Test Stop : 10/31/2014 @ 09:03
Received: 11/03/2014 @ 09:27
Analyzed: 11/03/2014 @ 11:05



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 80036
FL DOH RB1609
IL RNL2000201

Site Radon Inspection Report

Date : 11/03/2014

Ms. Karron Redfield
Fuss & O'Neill Enviroscience, LLC
146 Hartford Road
Manchester, CT 06040-

Client: 20140277.D8E
Test Location: 10 Silver Street
Milford, CT 06460-
Individual Canister Results

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or its consultants based on RTCA-provided results.



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

COASTAL BOUNDARY MILFORD, CONNECTICUT

LEGEND



EXPLANATION

The coastal boundary map shows the extent of lands within the coastal zone of the State of Connecticut. The coastal boundary is a continuous line, defined as the boundary between the coastal zone and the non-coastal zone. The coastal boundary is defined by the mean high water mark, as determined by the highest natural average tide, and the mean high water mark, as determined by the mean high water mark, as determined from the natural boundary of tidal waters, wherever it follows inland, and shall be determined by the natural crest of the land.

Any regulated activity conducted within the coastal zone by a municipal agency (i.e., plans of development, zoning regulations, municipal code, etc.) shall be subject to the provisions of the Coastal Zone Management Act (CZMA), as amended, and the regulations thereunder. The coastal boundary map is a technical document and is not intended to be used for legal determinations.

DATA SOURCES

COASTAL BOUNDARY DATA - The original boundary data was derived from the 1:25,000 scale US Geological Survey topographic maps from 1949 and 1952. The boundary data was digitized from the 1:25,000 scale maps and is based on the mean high water mark, as determined by the highest natural average tide, and the mean high water mark, as determined from the natural boundary of tidal waters, wherever it follows inland, and shall be determined by the natural crest of the land.

RELATED INFORMATION - This map is intended to be used in conjunction with the Coastal Zone Management Act (CZMA), as amended, and the regulations thereunder. The boundary data is a technical document and is not intended to be used for legal determinations. For more information, please contact the Department of Environmental Protection, Coastal Zone Management Program.

MAP FIGURE



[Print](#)[Close](#)

Fwd: 10 Silver Street - Milford

From: **Andrew Tarpill** (andrew@qa-architects.com)
Sent: Thu 12/11/14 3:00 PM
To: Steve Ball (stephenjball@hotmail.com)

Steve,
See message below from a conversation with surveyor for the abovementioned project.

Thanks,
Andrew Tarpill

Quisenberry Arcari Architects
318 Main Street
Farmington, CT 06032
860-677-4594 x13
andrew@qa-architects.com

----- Forwarded message -----

From: "Jeff Jahnke" <jjahnke@qa-architects.com>
To: "Andrew Tarpill" <andrew@qa-architects.com>
Cc: "Fred D'Amico" <damicoassociates@gmail.com>
Subject: 10 Silver Street - Milford
Date: Thu, Dec 11, 2014 2:55 PM

Andrew,

I spoke with Fred D'Amico yesterday.

He has confirmed that the above referenced property is not in the CAM/CAMA zone; it is not in Coastal Wetlands, Tidal Wetlands, or Inland Wetlands.

Jeff.



Jeff Jahnke, AIA

Quisenberry
ARCHITECTS, LLC

318 Main Street, Farmington, CT 06032

Phone: 860.677.4594 x13

www.qa-architects.com

