



Civil Engineering | Land Surveying | Environmental Sciences

Environmental Review Record  
and  
Statutory Checklist

Residence of Gail and Jack Trez  
20 Cooper Avenue  
Milford, CT

NEPA Compliance Document  
Prepared Pursuant to 24 CFR Part 58

February 6, 2014

*Prepared for:*  
State of Connecticut  
Department of Housing  
and  
Lothrop Associates  
100 Pearl Street, 14<sup>th</sup> Floor  
Hartford, CT 06103

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## 1.0 Project Description and Location

The State of Connecticut Action Plan for Community Development Block Grant Program Disaster Recovery submitted a Plan to the U.S. Department of Housing and Urban Development (“HUD”) as part of a receipt of \$71,820,000 of federal funding under the Community Development Block Grant - Disaster Recovery (CDBG-DR) Program.

The funding was authorized under The Disaster Relief Appropriations Act of January 29, 2013. The allocation of the Funding to the State is intended to address immediate unmet housing and economic revitalization needs in those counties and jurisdictions that were most severely impacted by Hurricane Sandy.

Pursuant to the National Environmental Policy Act (NEPA), Freeman Companies, LLC has prepared the following environmental documentation for rehabilitation of the property located at 20 Cooper Avenue in Milford, Connecticut. We are preparing the environmental documentation in accordance with the HUD regulations 24 CFR Part 58. This project is within Connecticut Department of Housing’s (DOH) Owner Occupied Rehabilitation and Rebuilding (OORR) Program.

The property is a single family residence located at approximately 41.202178 Latitude and -73.065001 Longitude. The building, constructed in 1935, is located on the west side of Cooper Avenue, north of the intersection with Old Town Highway. The property is located within an AE flood plain.

The project will entail the following:

- Raising of the residence 2 feet above base flood elevation (BFE)
- Removal and replacement of damaged insulation
- Inspect and repair floor finishing
- Installation of new insulation and drywall on exterior walls
- Replumb rear walls
- Replacement of electrical components
- Installation of gas heating system
- Installation of new water heater
- Remove and replace first floor windows
- Installation of new interior doors
- Removed and replace gutters
- Installation of new kitchen cabinets and countertops
- Provide new first floor bathroom fixtures

## 2.0 Explanation of Categorical Exclusion

A Categorical Exclusion in accordance with 24 CFR Part 58.35 refers to a category of activities for which no environmental impact statement or environmental assessment and finding of no significant impact under NEPA is required, except in extraordinary circumstances. Because the project involves building rehabilitation that does not increase the unit density of the building or change land use, the project is categorically excluded under 24 CFR 58.35(a)(3)(i).

### 3.0 Statutory Checklist

This project is determined to be Categorically Excluded according to 24 CFR 58.35(a)(3)(i). Projects may be additionally subject to review under related federal laws and authorities as determined by completing a statutory checklist. The following checklist and documentation of the findings of the checklist are incorporated into this Environmental Review Record in compliance with 24 CFR 58.

Tier 1 of a 2-step Tiered Environmental Review has already been conducted by DOH, and this Statutory Checklist shall be considered Tier 2.

The Statutory Checklist indicates whether the activity does or does not affect the resources under consideration. Status “A” indicates that the project does not require formal consultation with an outside agency and does not affect the resource in question. Status “B” indicates that the activity requires formal compliance consultation with the oversight agency or affects the resource. The documents and/or information sources used in making the determination are listed in the checklist. A compliance determination is provided following the checklist.

The checklist is included as Appendix A.

### 4.0 Agency Consultation and Mitigation Measures Required

Based on the completion of the checklist, the following Agencies were consulted and inspections performed.

#### 4.1 Department of Economic and Community Development - State Historic Preservation Office

The State Historic Preservation Office (SHPO) is responsible for overseeing the governmental program of historic preservation for Connecticut’s citizens. SHPO administers a range of federal and state programs that identify, register and protect the buildings, sites, structures, districts and objects that comprise Connecticut's cultural heritage.

In accordance with 24 CFR 58.5(a) Historic Properties, since the property, due to its age, may be eligible for listing on the National Register of Historical Places, a request for a review of the status of the site relative to historic or cultural resources will be submitted directly by the Connecticut Department of Housing.

#### 4.2 Town of Milford - Planning and Zoning

The Town of Milford Planning and Zoning department was consulted in regards to inland wetlands, coastal zone management, and local zoning approvals. According to the department, a coastal area management review would be required for the project. In addition approvals from inland wetlands as well as local planning and zoning may also be required.

### 4.3 Lead

#### 4.3.1 XRF Sampling

A lead inspection was performed at the property by Fuss & O'Neill on January 13, 2015. Comprehensive testing for surfaces coated with lead based paint (LBP) was conducted using a direct reading X-ray fluorescence (XRF) analyzer. Based on the inspection the following building components were determined to contain concentrations of lead greater than 1.0 milligrams of lead per square centimeter of paint:

- White Wood 4"x4" Post - 1<sup>st</sup> Floor Bathroom
- White Wood Wall Old Siding - 1<sup>st</sup> Floor Bathroom
- White Wood Wall - Back Porch
- White Wood Door Casing - Back Porch

If building materials coated with LBP are to be disturbed as part of proposed mitigation, the work must be done by an EPA Renovation, Repair, and Painting Program (RRP) Certified Renovator using HUD and/or RRP trained workers. If building components coated with LBP are to be disposed of, a sample of the proposed waste stream must be collected and submitted to an analytical laboratory for Toxicity Characteristic Leaching Procedure (TCLP) analysis to characterize the waste for disposal.

If a specific component or surface is not identified as having been tested as part of this limited inspection, it should be presumed to contain lead paint until tested.

#### 4.3.2 Lead in Dust

As part of the lead inspection, dust wipe samples were collected inside the structure to evaluate whether a lead dust hazard existed. The following wipe standards for lead in dust have been established by CTDPH: Floors - 40 ug/ft<sup>2</sup>, Window Sills - 250 ug/ft<sup>2</sup>, and Window Wells - 400 ug/ft<sup>2</sup>. The following dust wipe representative samples had results above the CTDPH standard and indicated a lead dust hazard:

- 1<sup>st</sup> Floor Bathroom - Floor
- Back Porch - Floor
- Back Porch - Window Sill
- Living Room - Floor

A lead dust hazard does exist in the areas tested, and is assumed to exist in other areas that were not tested. Lead dust located on the floor and window sills must be cleaned by a RRP-Certified Renovator using HUD and/or RRP trained workers to below the CTDPH clearance standard of 40 ug/ft<sup>2</sup> for floors and 250 ug/ft<sup>2</sup> for window sills.

#### 4.4 Asbestos

An asbestos inspection was performed at the property by Fuss & O'Neill on January 13, 2015. Based on the results of the inspection, none of the tested materials were identified to contain asbestos.

Any suspect material encountered during renovation/demolition that is not identified in this report as being non-asbestos containing material should be assumed to be asbestos containing material unless sample results prove otherwise.

#### 4.5 Radon

From January 13, 2015 through January 16, 2015, Fuss & O'Neill conducted radon testing at the residence utilizing passive radon detection canisters for at least 48 hours but no longer than 96 hours. During the course of the assessment, four samples, including one duplicate and one blank, were placed within the residence. The samples collected in the living room and kitchen contained a radon concentration range of 0.1 to 0.2 pCi/L; which is below the EPA recommended action guideline of 4.0 pCi/L.

#### 4.6 Mold

On January 13, 2015, Fuss & O'Neill performed a visual assessment for the presence of suspect mold and water intrusion. No suspected mold growth was identified on accessible/visible building materials observed within the residence at the time and date of the inspection.

#### 5.0 Determination

For Categorically Excluded actions pursuant to §58.35(a), the project cannot convert to "Exempt" since one or more authority requires compliance, including but not limited to consultation with or approval from an oversight agency, performance of a study or analysis, completion of remediation or mitigation measure, or obtaining of license or permit.

## 6.0 References

Environmental Justice Communities List, Connecticut Department of Economic and Community Development, accessed

at [http://www.ct.gov/deep/cwp/view.asp?a=2688&Q=432364&deepNav\\_GID=1511](http://www.ct.gov/deep/cwp/view.asp?a=2688&Q=432364&deepNav_GID=1511)

Endangered Species Maps, CTDEEP, accessed at

<http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbsel=84>

Environmental Data Resource Report, *EDR Radius Map with GeoCheck*, November 10, 2014

Environmental Data Resource Report, *NEPACheck*, November 10, 2014

Flood Insurance Rate Map, Map Number 09009C0529J

Google Earth, accessed on December 1, 2014

Sole Source Aquifer Map, EPA, accessed at EPA Region 1

[http://www.epa.gov/region1/eco/drinkwater/pc\\_solesource\\_aquifer.html](http://www.epa.gov/region1/eco/drinkwater/pc_solesource_aquifer.html)

Town of Milford Assessor Card, accessed at <http://gis.vgsi.com/milfordct/>

Town of Milford Building Department

Town of Milford Coastal Area Management Program

Zoning Regulations of the Town of Milford

## 7.0 Summary of Preparer Qualifications

Mr. Charles D. Brink possesses over 20 years of experience performing and leading environmental assessment and investigation projects. He has overseen numerous hazardous material investigations and performed dozens of Phase I Environmental Site Assessments. To further his knowledge base, he has also been trained in the investigation of mold, PCBs in building materials as well as possessing experience with the management of an asbestos laboratory analyzing both bulk and air monitoring samples for asbestos.

**Appendix A**  
**Statutory Checklist**

## Statutory Checklist for Compliance with 24 CFR §58.5 – NEPA Related Federal Laws and Authorities

(Must be completed for each individual addressed included under overall project description)

Use this worksheet for projects that are Categorically Excluded Subject to 24 CFR §58.5 listed at 24 CFR §58.35(a) and for projects that require an Environmental Assessment.

Project Name: Property of Gail and Jack Trez – 20 Cooper Avenue, Milford

ERR FILE # Application Number 5076

**Definitions:** **A:** The project is in compliance.  
**B:** The project requires an additional compliance step or action.

Statute, Authority, Executive Order Cited at 24 CFR §58.5	A	B	COMPLIANCE FINDING	SOURCE DOCUMENTATION
1. 58.5(a) Historic Properties [36 CFR 800]		B	Consultation request submitted to SHPO directly by Department of Housing.	DOH to obtain information.
2. 58.5(b)(1) Floodplain Management [24 CFR 55, Executive Order 11988]		B	DOH has conducted 8-step analysis. Site in AE flood plain. Mitigation will consist of raising the residence 2 feet above base flood elevation (BFE).	NFIP FIRM Map 09009C0529J  A copy of the map with project location depicted is attached.
3. 58.5(b)(2) Wetland Protection [24 CFR 55, Executive Order 11990]		B	DOH has conducted 8-step analysis. Project is located in AE flood plain, but not within a wetland. Mitigation will include rising of existing building 2-feet above BFE. Mitigation activities to be included in construction scope of work. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.	The project location is not located within a wetland. USGS Wetland map, EDR NEPA Check report and EDR Radius Map
4. 58.5(c) Coastal Zone Management [Coastal Zone Management Act sections 307(c) & (d)]		B	Project is located within Coastal Management Zone. Coastal Area Management review will be required. Review to be conducted as part of construction scope of work. No construction will be conducted until local approval is obtained.	Town of Milford Coastal Area Management Program. <a href="http://cteco.uconn.edu/map_catalog/maps/town/Coastal_Boundary/cstlbnd_MILFORD.pdf">http://cteco.uconn.edu/map_catalog/maps/town/Coastal_Boundary/cstlbnd_MILFORD.pdf</a> A copy of the map depicting the location of the property is attached.

5. 58.5(d) Sole Source Aquifers [40 CFR 149]	A		The property is not located within a sole source aquifer area. Site utilizes municipal sewer and water.	EPA Region 1 <a href="http://www.epa.gov/region1/co/drinkwater/pc_solesource_aquifer.html">http://www.epa.gov/region1/co/drinkwater/pc_solesource_aquifer.html</a>  A copy of the GNHWPCA service area map with project location depicted is attached
6. 58.5(e) Endangered Species [50 CFR 402]	A		Although the project location is located within a Natural Diversity area, the project location does not contain waterfront property with a sandy beach.	<a href="ftp://ftp.state.ct.us/pub/dep/gis/endangeredspeciesmaps/nd084.pdf">ftp://ftp.state.ct.us/pub/dep/gis/endangeredspeciesmaps/nd084.pdf</a>  A copy of the map with project location depicted is attached.
7. 58.5(f) Wild and Scenic Rivers [36 CFR 297]	A		Project location is not within one mile of Eight Mile River (only designated wild and scenic river within program area)	Mapping obtained from <a href="http://www.rivers.gov/maps/conus.php">http://www.rivers.gov/maps/conus.php</a>
8. 58.5(g) Air Quality [40 CFR parts 6, 51,61, 93]	A		Project on existing developed site and should not substantially affect the CT SIP due to the implementation of standard BMPs. Project consists of residential construction with no anticipated quantifiable increase in air pollution.	<a href="http://www.epa.gov/region1/topics/air/sips/sips_ct.html">http://www.epa.gov/region1/topics/air/sips/sips_ct.html</a>
9. 58.5(h) Farmland Protection [7 CFR 658]	A		Property does not include prime or unique farmland.	<a href="http://websoilsurvey.sc.egov.usda.gov">http://websoilsurvey.sc.egov.usda.gov</a>
10. 58.5(i)(1) Noise Control and Abatement [24 CFR 51B]	A		Project is not located near an airport, highway, or railroad.	EDR Radius Map
11. 58.5 (i) (1) Explosive and Flammable Operations [24 CFR 51C]	A		Mitigation will not result in an increase to residential density of the property.	Rehabilitation work that does not alter the number dwelling units or a change of land use is not subject to Acceptable Separation Distance (ASD) requirements for HUD
12. 58.5(i)(1) Airport Hazards (Runway Clear Zones and Clear Zones/Accident Potential Zones) [24 CFR 51D]	A		Project is not located within 2,500 feet of a civilian airport runway clear zone or 15,000 feet of a military airfield clear zone.	EDR Radius Map
13. 58.5(i)(2)(i-iv) Contamination and Toxic Substances [24 CFR 58.5(i)(2)]	A		No hazard which could affect the health and safety of occupants or conflict with the intended utilization of the property was identified	Opinion of preparer who is a qualified environmental professional. Source documentation used as part of the determination is attached.

14. 58.5(j) Environmental Justice [Executive Order 12898]	A		The town of Milford does not have any Environmental Justice communities. The project will not create high and adverse human health and environmental effects.	<a href="http://www.ct.gov/deep/cwp/view.asp?a=2688&amp;Q=432364&amp;deepNav_GID=1511">http://www.ct.gov/deep/cwp/view.asp?a=2688&amp;Q=432364&amp;deepNav_GID=1511</a> Connecticut Department of Economic and Community Development list of Environmental Justice communities
15 A. Flood Insurance [58.6(a) & (b)]		B	Per federal regulations and OORR program guidelines the homeowner will need to provide proof of flood insurance policy prior to construction. Homeowners are required to maintain flood insurance for not less than 5 years from the date of assistance.	Community Development Block Grant – Disaster Recovery (CDBG-DR) Owner Occupied Rehabilitation and Rebuilding Program guideline requirements
15 B. Coastal Barriers [58.6(c)]	A		Project is not located near Milford’s coastal barriers	Connecticut Map of Coastal Barrier Resources System. A copy of the map depicting the site location is attached.
16. A Solid Waste Disposal [42 U.S.C. S3251 et seq.] and [42 U.S.C. 6901-6987 eq seq.]	A		Activities are limited to existing building footprint. Town of Milford provides weekly curbside pickup of refuse.	<a href="http://www.ci.milford.ct.us/public-works/pages/guidelines-for-garbage-collection">http://www.ci.milford.ct.us/public-works/pages/guidelines-for-garbage-collection</a>
16 B. Fish and Wildlife [U.S.C. 661-666c]	A		Project will not involve the impounding, diverting, channelizing or modification of any stream or body of water	Mitigation information obtained from Initial property Inspection report
16 C. Lead-Based Paint [24 CFR Part 35] and [40 CFR 745.80 Subpart E]		B	Lead based paint (LBP) was identified at the residence during inspection. If building materials coated with LBP are to be disturbed as part of proposed mitigation, the work must be done by an EPA RRP Certified Renovator. If building components coated with LBP are to be disposed of, a sample of the proposed waste stream must be submitted to an analytical laboratory for TCLP analysis to characterize the waste for disposal. Lead dust located on the floor and window sills must be cleaned by a RRP-Certified Renovator to below the CTDPH clearance standard	Limited Hazardous Materials Inspection Report. A copy of the report is attached.
16 D. Asbestos	A		Asbestos containing material was not identified at the property	Limited Hazardous Materials Inspection Report. A copy of the report is attached.

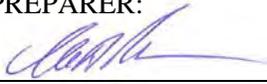
16 E. Radon [50.3 (i) 1]	A		<b>Radon was not identified within living spaces at concentration exceeding EPA recommended guidelines</b>	<b>Limited Hazardous Materials Inspection Report. A copy of the report is attached.</b>
16 F. Mold	A		<b>No visible signs of mold were noted during the time of inspection</b>	<b>Limited Hazardous Materials Inspection Report. A copy of the report is attached.</b>
Other: State or Local 17 A. Flood Management Certification [CGS 25-68]		B	<b>Property within an AE Flood Zone. Certification though the General Permit for CDBG-DR activities with CTDEEP is required</b>	<b>FEMA Map 09009C0529J. See Appendix C for Certification form and attached application documentation</b>
17 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	A		<b>Project is not located waterward of coastal jurisdiction line</b>	<b>Office of Long Island Sound Programs Coastal Jurisdiction Line Elevations. A copy of survey elevation map of the property is attached.</b>
17 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]		B	<b>Project is not located within a tidal wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.</b>	<b>USGS Wetland map, CT DEEP tidal wetland map, EDR NEPA Check report and EDR Radius Map</b>
17 D. Local inland wetlands/watercourses [CGS 22a-42]		B	<b>Project is not located within an inland wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.</b>	<b>Town of Milford GIS Mapping. Milford town wetlands are more extensive than state/federal mapped wetlands. A copy of the map is attached</b>
17 E. Various Municipal Zoning Approvals		B	<b>Obtaining any local zoning approvals to conduct mitigation efforts will be included within the construction scope of work</b>	<b>Zoning Regulations of the town of Milford</b>

**DETERMINATION:**

- Box "A" has been checked for all authorities.** For Categorically Excluded actions pursuant to §58.35(a) [Does not apply to EA or EIS level of review which can never convert to Exempt], the project can convert to Exempt, per §58.34(a) (12), since the project does not require any compliance measures (e.g., consultation, mitigation, permit or approval) with respect to any law or authority cited at §58.5. The project is now made Exempt and **funds may be drawn down**; OR
  
- Box "B" has been checked for one or more authority.** For Categorically Excluded actions pursuant to §58.35(a), the project cannot convert to Exempt since one or more authority requires compliance, including but not limited to consultation with or approval from an oversight agency, performance of a study or analysis, completion of remediation or mitigation measure, or obtaining of license or permit. **Complete pertinent compliance requirement(s), publish NOI/RROF, request release of funds (HUD-7105.15), and obtain HUD's Authority to Use Grant Funds (HUD-7015.16) per §58.70 and §58.71 before committing funds**; OR
  
- This project is not a Categorically Excluded action pursuant to §58.35(a), or may result in a significant environmental impact to the environment, and requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

**MITIGATION MEASURES AND CONDITIONS FOR PROJECT APPROVAL:** *(If Box B is checked, provide details regarding further consultation, mitigation, permit requirements or approvals required to be incorporated into public notices and project requirements such as contracts, grants, loan conditions, etc. as described in the Statutory Worksheet). Ensure required measures are included in 7015.15 Project Description Section.*

PREPARER:

  
\_\_\_\_\_  
Preparer's Signature

\_\_\_\_\_  
2/6/2015  
Date

Charles D. Brink  
\_\_\_\_\_  
Preparer's Name (printed)

\_\_\_\_\_  
Manager Environmental Services  
Title (printed)

**AUTHORIZED RESPONSIBLE ENTITY OFFICIAL:**

\_\_\_\_\_  
Authorized Responsible Entity Signature

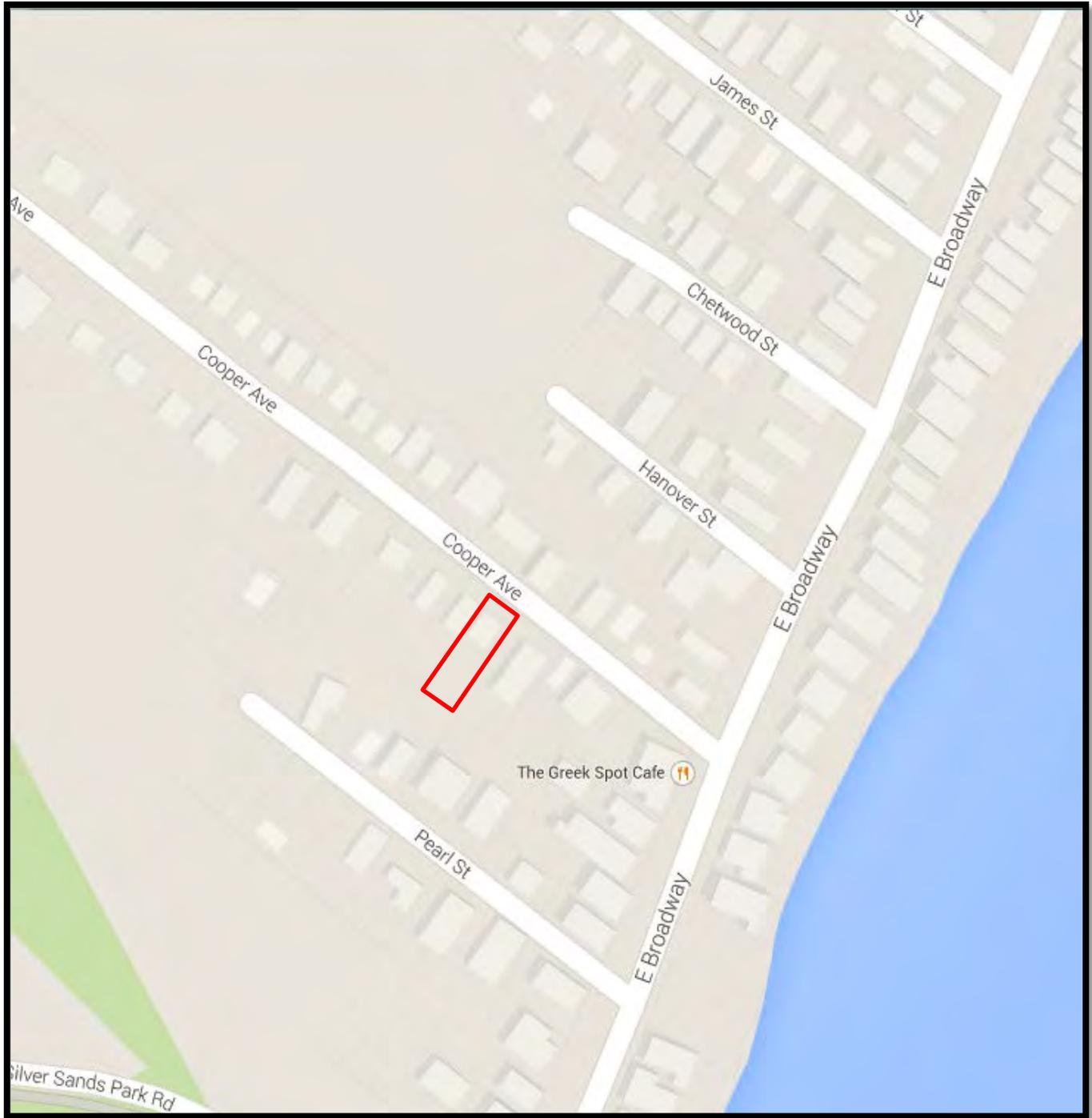
\_\_\_\_\_  
Date

Hermia Delaire  
\_\_\_\_\_  
Authorized Responsible Entity Name (printed)

\_\_\_\_\_  
CDBG-DR Program Manager  
Title (printed)

## Appendix B

### Project Location and Vicinity Maps



**Prepared For:**  
**Residence of Gail and Jack Trez**  
**20 Cooper Avenue**  
**Milford, CT**



Not to Scale

**Figure 1**

**Site Location Plan**



**Prepared For:**  
**Residence of Gail and Jack Trez**  
**20 Cooper Avenue**  
**Milford, CT**



Not to Scale

**Figure 2**

Site Vicinity Map

## Appendix C

### Resource Maps and Supporting Documents

# 20 COOPER AVE

Location 20 COOPER AVE Assessment \$66,720  
Mblu 22/ 459/ 8/ / Appraisal \$95,320  
Acct# 015447 PID 4309  
Owner TREZ GAIL & JACK & SURV Building Count 1

## Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$8,020	\$87,300	\$95,320

Assessment			
Valuation Year	Improvements	Land	Total
2013	\$5,610	\$61,110	\$66,720

## Owner of Record

Owner TREZ GAIL & JACK & SURV Sale Price \$0  
Co-Owner Book & Page 03565/0060  
Address 23 NOBLE AVE Sale Date 11/20/2013  
MILFORD, CT 06460

## Ownership History

Ownership History			
Owner	Sale Price	Book & Page	Sale Date
TREZ GAIL & TREZ JACK & POTAK PETER J	\$0	02849/0094 01256/0159	02/12/2004 12/27/1983

## Building Information

### Building 1 : Section 1

Year Built: 1935  
Living Area: 0  
Replacement Cost: \$100,222  
Building Percent 8  
Good:  
Replacement Cost  
Less Depreciation: \$8,020

Building Attributes	
Field	Description
Style	Cape Cod

Model	Residential
Grade:	Average
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F GlS/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	Plywood Panel
Interior Flr 1	Carpet
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Hot Air-no Duc
AC Type:	None
Total Bedrooms:	2 Bedrooms
Total Bthrms:	1
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	4 Rooms
Bath Style:	Average
Kitchen Style:	Updated
Bath Desc.	1-Full

### Building Photo



(<http://images.vgsi.com/photos/MilfordCTPhotos//\00\03\15\45>)

### Building Layout



Building Sub-Areas			<u>Legend</u>
Code	Description	Gross Area	Living Area
FOP	Porch, Open, Finished	96	0
UAT	Attic, Unfinished	520	0
UEP	Porch, Enclosed, Unfinished	104	0
UFF	First Floor, Unfinished	576	0
		1296	0

### Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

### Land

Land Use

Land Line Valuation

Use Code	1010	Size (Acres)	0.08
Description	SINGLE FAM MDL-01	Frontage	30
Zone	R5	Depth	113
Neighborhood	E	Assessed Value	\$61,110
Alt Land Appr	No	Appraised Value	\$87,300
Category			

### Outbuildings

Outbuildings	<a href="#"><u>Legend</u></a>
No Data for Outbuildings	

### Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2013	\$8,310	\$87,300	\$95,610
2012	\$103,730	\$116,400	\$220,130
2011	\$103,730	\$116,400	\$220,130

Assessment			
Valuation Year	Improvements	Land	Total
2013	\$5,820	\$61,110	\$66,930
2012	\$72,610	\$81,480	\$154,090
2011	\$72,610	\$81,480	\$154,090

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**State of Connecticut Department of Housing  
 Community Development Block Grant  
 Disaster Recovery (CDBG-DR) “Hurricane Sandy”**

Application No. **5076**  
 Property of Jack and Gail Trez  
 20 Cooper Avenue  
 Milford CT

LA project No. 1524-27

**Initial Property Inspection Report**

Property Inspected: 6 June 2014  
 Report Date: 16 June 2014  
 Rev. NA



**Present at inspection:**

Jack and Gail Trez, Homeowners  
 Thomas Streicher, AIA, Lothrop Associates LLP  
 Maurizio Huaylla, Lothrop Associates LLP

This was a rental property and is currently vacant. The dwelling is a slightly less than 800 SF in area. The owner reported the storm surge entered the dwelling and saturated the floors and the lower portion of the walls. There were water line marks evident on some window indicating there was over 3'-0" of water over the finished floor, **See Figure 1**. The visible wood framing (walls and floors) appears to be 24" on center. It appears the rear portion of the building was formally a porch and may have been a later addition to the house. That rear space more recently contained the Bathroom and the Laundry Room.

Damage compliant by owner	Inspection observation <i>Recommendation</i>	Rehabilitation Cost projection	Mitigation cost projection
<b>The property is in an AE Flood Zone 11' above datum zero:</b> If the dwelling is mitigated and raised above the flood zone a new foundation structure with new footings will be designed and constructed to raise the building. The existing foundation walls and footings shall be removed with this new construction included in the cost of this item estimate. Modification of existing and/or construction of new exterior stairs to accommodate the new elevation are included in this item cost projection.			\$90,000
Crawl space - insulation: The owner stated the storm surge flooded the crawl space damaging the floor insulation.	The some of the insulation is still in the crawl space and is dislodged from its installed position, hanging on pipes and other objects below. The insulation is matted and destroyed. Other portions missing entirely <b>See Figure 2</b>	\$1,500	\$1,500

	<i>Recommendation: Remove the damaged insulation and replace with new batt insulation.</i>		
Crawl space - masonry: The owner stated the storm surge flooded the crawl space damaging the masonry walls.	<p>Some of the masonry walls may have been displaced by moving water, especially at the rear portion of the dwelling. Some of the mortar joints are cracked. Some of this damage may have been pre-existing but would have been exasperated by the storm. A small portion of masonry block adjacent to a crawl space access hatch fell off when the owner replaced the hatch after inspection of the crawl space interior. That portion of wall was placed back into position but not set in mortar. <b>See Figure 3</b></p> <p><i>Recommendation: If done as rehabilitation, check for loose or shifting blocks. Remove any loose or shifting block found and repair other defective areas. Repair with new block and reinforcing.</i></p>	\$4,500	NA
Floor finish on first floor: Owner states the first floor was hard wood and damaged by the storm surge. The owner stated they had the flooring removed and discarded during storm cleanup.	<p>The sub floor has plywood over plank sub floor in the main part of the house. The rear addition / porch area has 24" wide plywood subfloor which appears to have replaced an older floor.</p> <p><i>Recommendation: Check the subfloor and overlaying plywood for damaged and loose sections. Repair as required. Install new floor finish material throughout.</i></p>	\$6,800	\$6,800
Wall finish on first floor: The owner pointed out the wall finish is removed from the majority of exterior walls and interior partitions due to storm surge water damage. The insulation at exterior walls was also removed.	<p>Except as noted on the "stair" section below and at the rear "porch" area the interior drywall and wall finish material has been removed from the first floor. The wall between the rear "porch" area and the main part of the dwelling still retains clapboard exterior siding. This appears to have had drywall added (over the clapboard at some point in the past) the lower portion of which has been removed. There is no insulation in exterior walls. <b>See Figure 4</b></p> <p><i>Recommendation: Install new batt insulation in exterior walls and provide new drywall on all walls and partitions. Spackle, tape and paint all new drywall.</i></p>	\$8,000	\$8,000
Rear room racked: It was observed the walls around the rear room are not plumb.	<p>This area appears to have been built as an addition and / or porch. The racking damage may have been caused by moving water and/or the foundation underneath shifting.</p>	\$2,500	\$2,500

	<i>Recommendation: Bring the walls back to plumb. Coordinate with foundation work.</i>		
Electrical system: The owner pointed out some of the first floor electrical devices were below the storm surge and also damaged when the dry wall was removed.	The majority of electric items on the first floor where exposed to the storm surge water.  <i>Recommendation: The electrical wiring and fixtures on the first floor will have to be replaced. The main breaker panel appears to have been higher than the flood level but due to the close proximity to possible salt water exposure it should be replaced. The meter pan may have been exposed to salt water and must be replaced.</i>	\$4,500	\$4,500
Heating system: The owner explained the dwelling had a free standing gas fired space heater that was removed during storm cleanup.	There was no heating system present on the site.  <i>Recommendation: Install a new gas heating system in the dwelling. The gas line and meter should be replaced.</i>	\$5,500	\$5,500
Water heater: The owner explained the unit was installed in closet adjacent to the under stair closet. The owner removed the water heater.	There was no water heater present on the site.  <i>Recommendation: install a new water heater or integrated water heating with the building heating system.</i>	\$1,500	\$1,500
Windows: The owner pointed out a water line on some of the windows.	Some of the first floor windows have obvious water damage. In some cases water entered the space between glass panels. <b>See Figure 1</b>  <i>Recommendation: Remove and replace the first floor windows. If done as mitigation replace the second floor windows to match the new first floor windows if required by energy code.</i>	\$5,500	\$7,045
Interior doors: The owner removed the interior doors from the first floor during storm clean up.	There are no interior doors present on the first floor. <b>See figure 4</b>  <i>Recommendation: Provide new interior doors to match as closely as possible existing that remain on the second floor.</i>	\$3,500	\$3,500
Headers: The owner pointed out doors and windows do not have structural headers.	The existing framing is substandard and has no headers at door and window openings. <b>See Figure 5</b>  <i>Recommendation: Install new headers at all existing load bearing wall openings.</i>	NA	\$1,500

Gutters: The owner stated branch and limbs from a falling tree hit the gutters damaging and displacing the rear gutters.	The gutter on the rear of the house are bent and damaged. The gutters on the front are also damaged. <b>See Figure 6</b>  <i>Recommendation: Remove the old gutters and replace with new gutters.</i>	\$750	\$750
Concrete/masonry stoops: The owner pointed out the gaps at the stoop interface to the building.	The stairs, front porch slab and stoops are cracked and separated from the main building. This could have been damaged by moving water. <b>See Figure 7</b>  <i>Recommendation: If done as rehabilitation, remove and replace the damaged items. If done as mitigation the items will be removed and replaced with raised stairs and decks with the mitigation.</i>	\$2,000	NA
Kitchen: The owner removed the kitchen cabinets during storm clean up.	There is no kitchen installed in the dwelling. A few cabinets are on the site but not installed.  <i>Recommendation: Provide a new kitchen cabinets and countertop.</i>	\$5,500	\$5,500
First Floor Bathroom: The owner removed the First Floor Bathroom.	There is no Bathroom on the First Floor. There are plumbing connections for tub / shower, toilet and lavatory but fixtures. There is also a toilet installed on the second floor. The Second Floor Toilet has no lavatory associated with it.  <i>Recommendation: Provide new first floor bathroom fixtures in the original space. If done as mitigation, provide a lavatory for the second floor toilet.</i>	\$4,500	\$4,500
Stair: The owner stated the pine paneling wall finish adjacent to the stairs was left in place so the stairs could remain for access to the Second Floor. The owner indicated the painted wood stairs and wall paneling where exposed to storm surge water.	This paneling and the stairs where wet with storm surge water but appeared to be dried out. <b>See Figure 8</b>  <i>Recommendation: Remove the insulation from the wall framing under the stairs. install new insulation (cost included above)</i>	NA	NA
Hazardous material abatement	Cost projection is "Budget" and is not based on material testing.	\$5,000	\$5,000
<b>Total Cost Projection</b>		\$61,550	\$148,095

**Additional comments:** It appears this project would be classified as a repair if done as rehabilitation only. If done as a mitigation project it would classify as an alteration. Asbestos, lead, mold and other hazardous material assessment, abatement or removal is not included in the cost projection.

See the following pages for photos



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



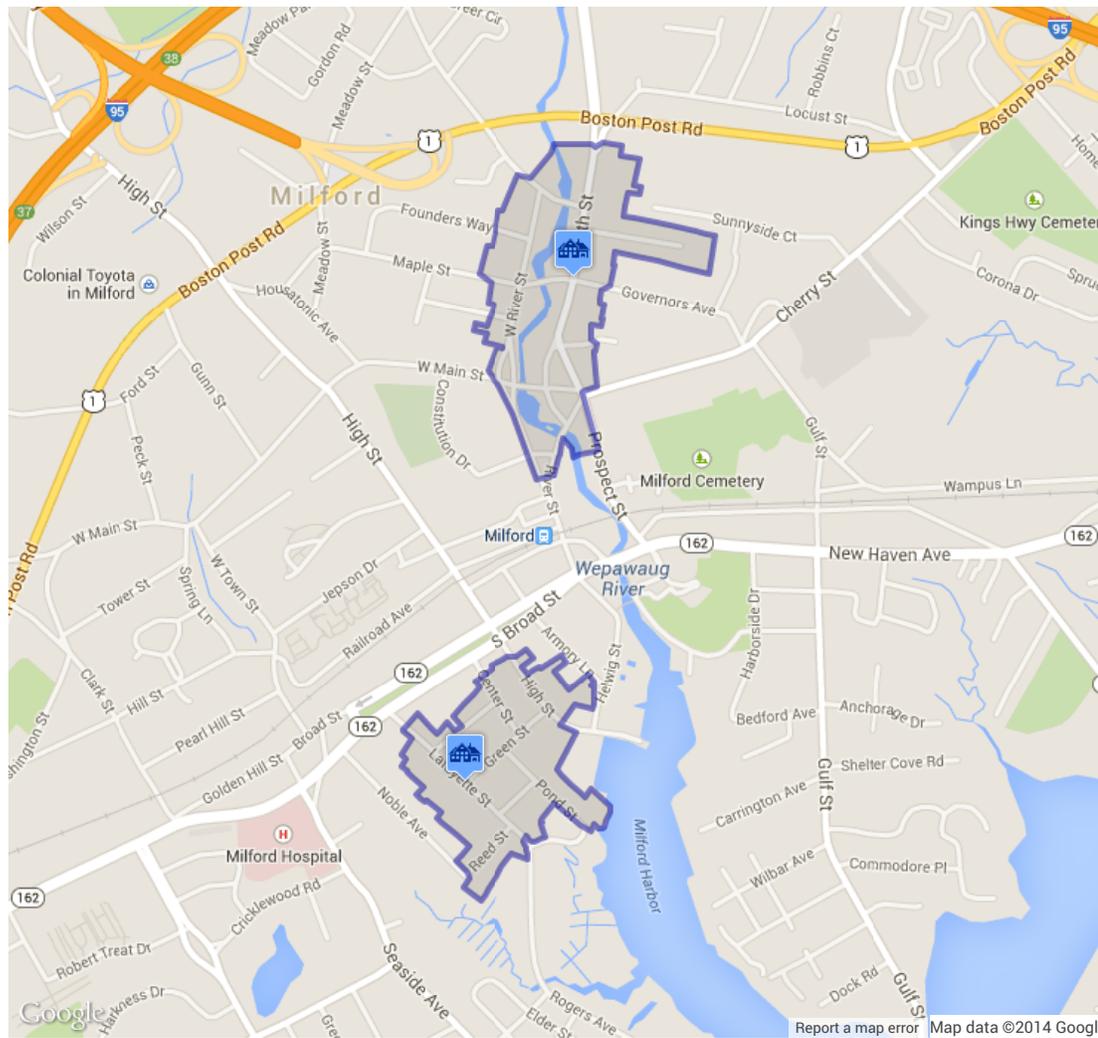
Figure 7



Figure 8

# Milford, Connecticut

[Browse all Towns](#) | [Alphabetic List of Historic Districts and Properties](#)



[Milford Historic District](#)  
[District Overview](#)  
[Inventory List](#)  
[District Map](#)

[South of the Green Historic District](#)  
[District Overview](#)  
[Inventory List](#)  
[District Map](#)

The historic district boundaries have been adopted from the best available source as cited in the district overview. The user is urged to verify the same with the concerned district authority.

a project of the Connecticut Trust for Historic Preservation  
funding provided by the Connecticut Commission on Culture & Tourism

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**2014 Distressed Municipalities List**  
**Prepared by DECD Research**  
**8/19/2014**

**2014 Distressed Municipalities**

Ranked by Score

	Total Scores	Ranking
Hartford	1,448	1
Waterbury	1,439	2
New Britain	1,431	3
Bridgeport	1,374	4
New London	1,365	5
Ansonia	1,330	6
Derby	1,327	7
Naugatuck	1,315	8
Windham	1,285	9
Meriden	1,272	10
Torrington	1,255	11
North Canaan	1,251	12
Bristol	1,250	13
Plainfield	1,243	14
Putnam	1,243	15
Killingly	1,229	16
New Haven	1,228	17
Sprague	1,218	18
East Hartford	1,215	19
West Haven	1,196	20
Preston	1,185	21
Enfield	1,180	22
Winchester	1,166	23
Montville	1,164	24
Plymouth	1,159	25

**2014 Distressed Municipalities**

In town alphabetical order

	Total Scores
Ansonia	1,330
Bridgeport	1,374
Bristol	1,250
Derby	1,327
East Hartford	1,215
Enfield	1,180
Hartford	1,448
Killingly	1,229
Meriden	1,272
Montville	1,164
Naugatuck	1,315
New Britain	1,431
New Haven	1,228
New London	1,365
North Canaan	1,251
Plainfield	1,243
Plymouth	1,159
Preston	1,185
Putnam	1,243
Sprague	1,218
Torrington	1,255
Waterbury	1,439
West Haven	1,196
Winchester	1,166
Windham	1,285

# Natural Diversity Data Base Areas

## MILFORD, CT

December 2014

-  State and Federal Listed Species & Significant Natural Communities
-  Town Boundary

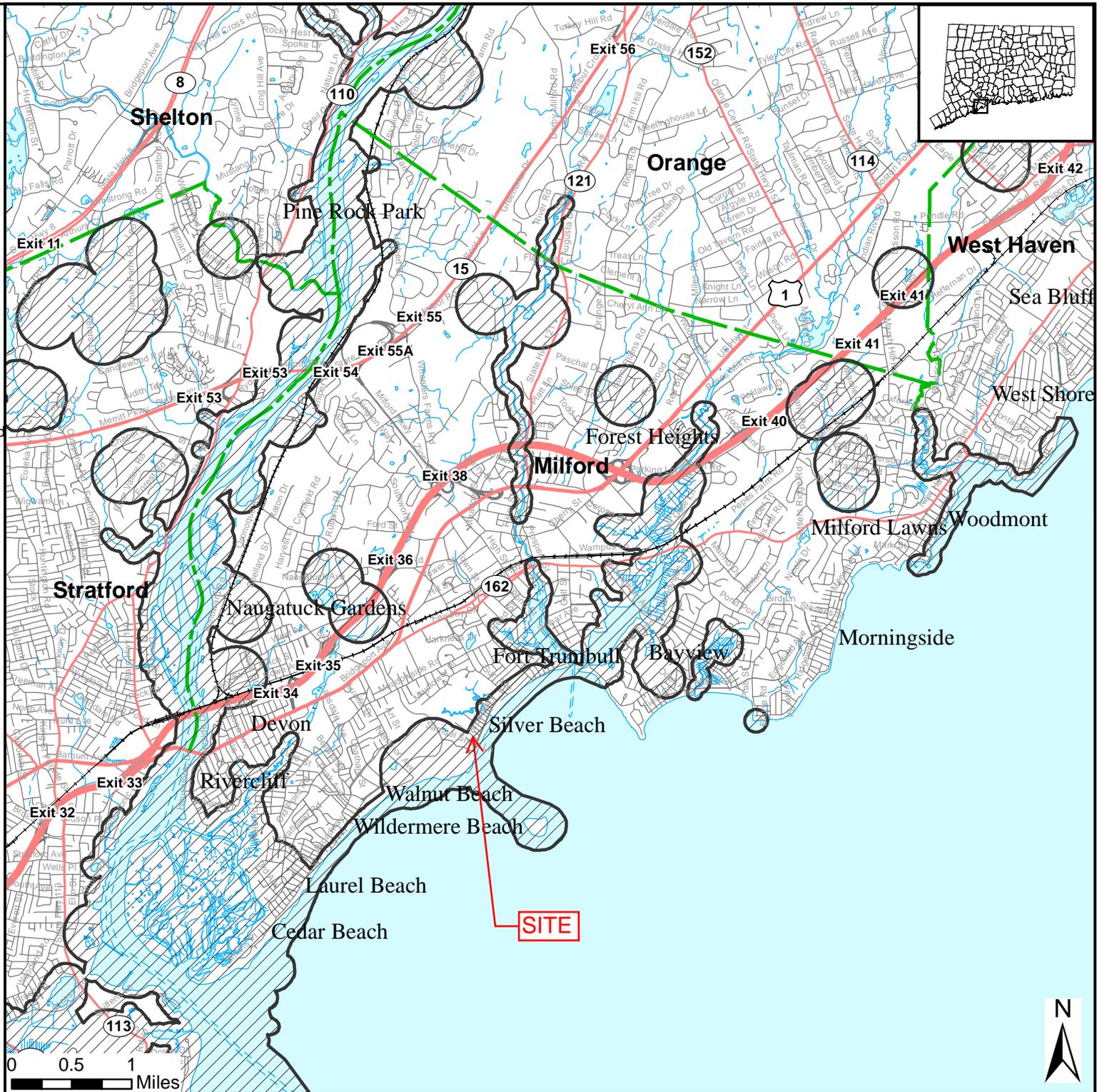
NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

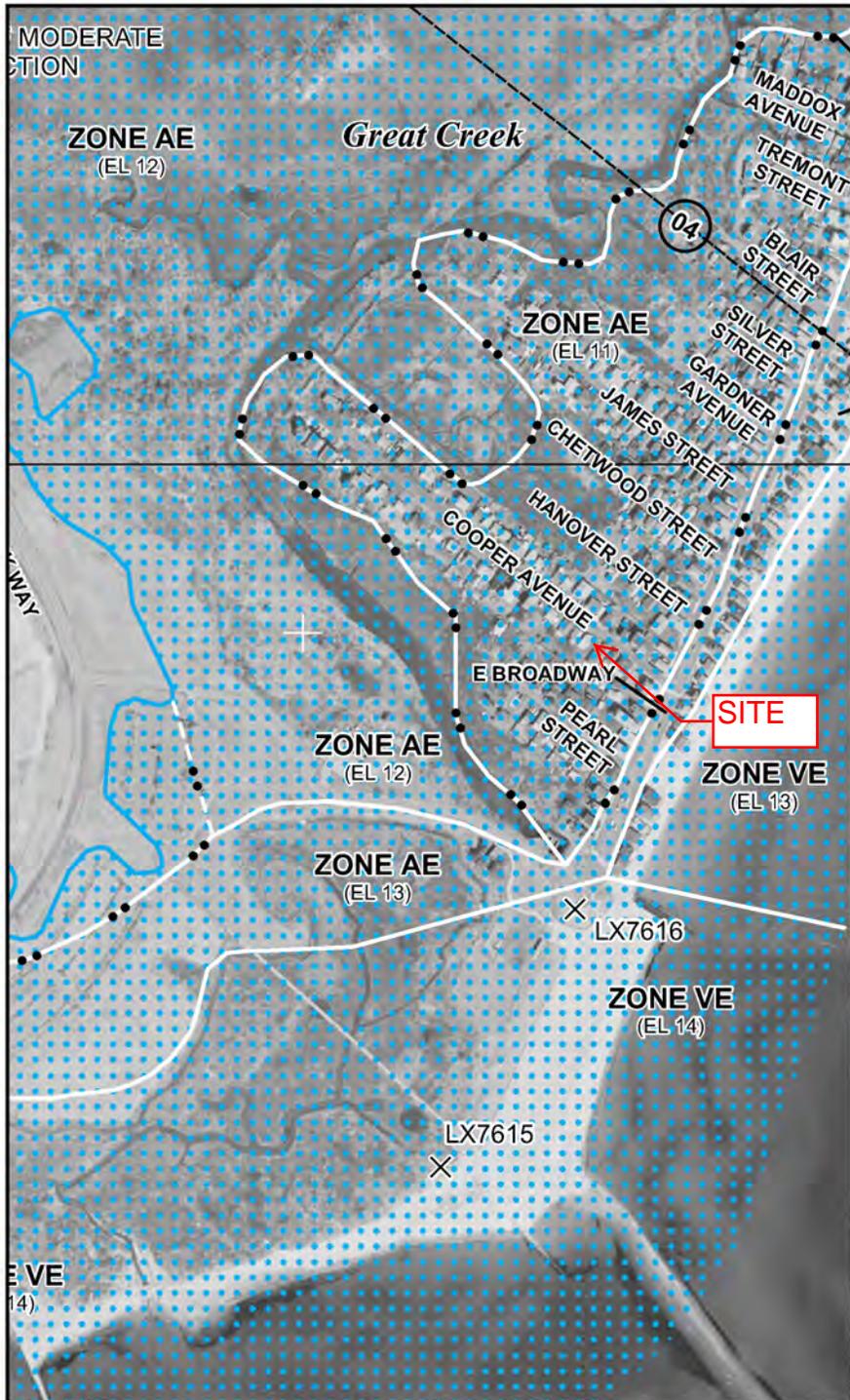
[www.ct.gov/deep/nddbrequest](http://www.ct.gov/deep/nddbrequest)

Use the CTECO Interactive Map Viewers at [www.cteco.uconn.edu](http://www.cteco.uconn.edu) to more precisely search for and locate a site and to view aerial imagery with NDDDB Areas.

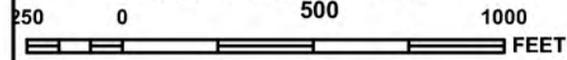
QUESTIONS: Department of Energy and Environmental Protection (DEEP)  
79 Elm St., Hartford CT 06106  
Phone (860) 424-3011



Connecticut Department of  
Energy & Environmental Protection  
Bureau of Natural Resources  
Wildlife Division



MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0529J

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

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

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MILFORD, CITY OF	090082	0529	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.

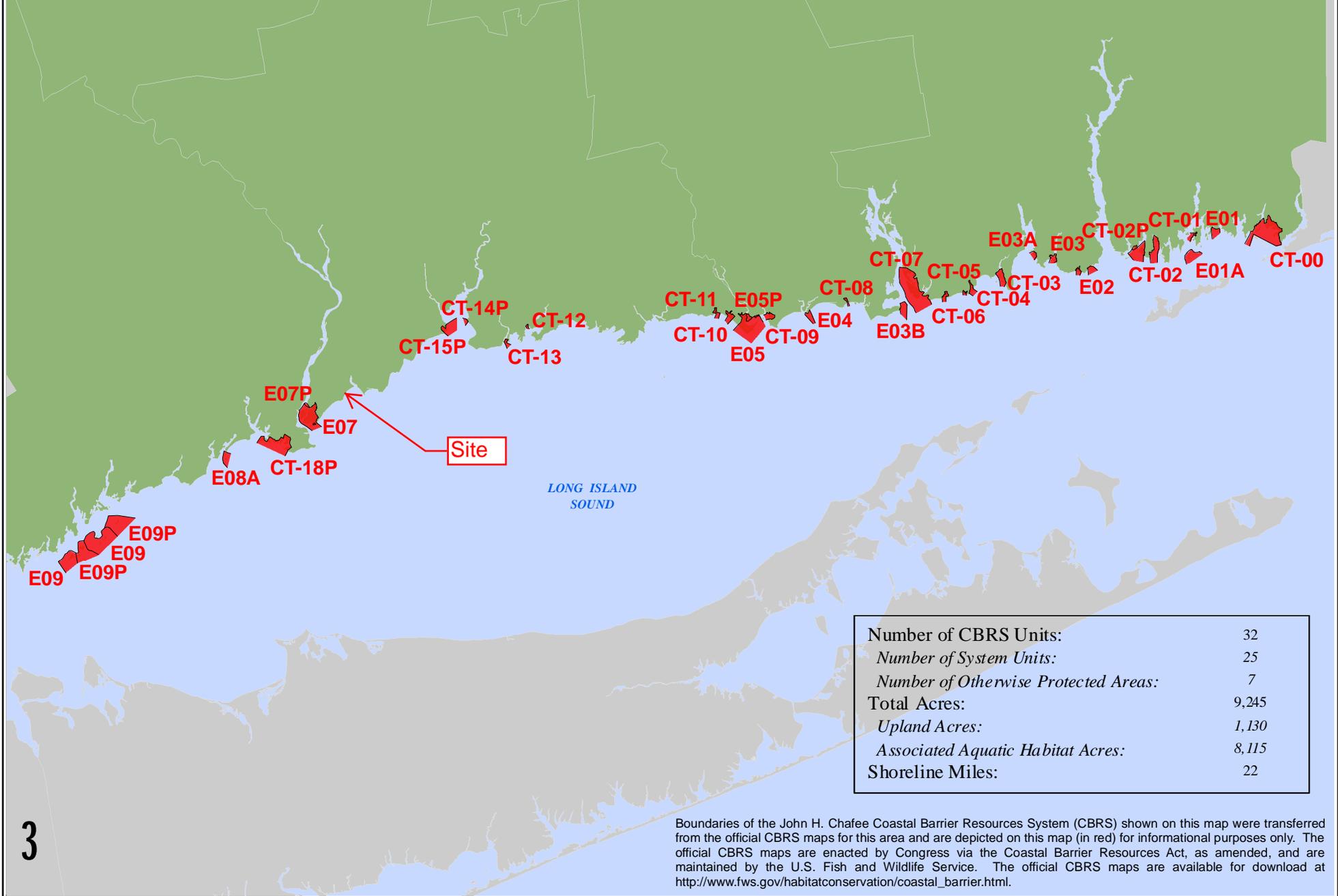


**MAP NUMBER**  
**09009C0529J**  
**MAP REVISED**  
**JULY 8, 2013**

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](http://www.msc.fema.gov)

# JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM CONNECTICUT



Number of CBRS Units:	32
Number of System Units:	25
Number of Otherwise Protected Areas:	7
Total Acres:	9,245
Upland Acres:	1,130
Associated Aquatic Habitat Acres:	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](http://www.fws.gov/habitatconservation/coastal_barrier.html).

# COASTAL BOUNDARY MILFORD, CONNECTICUT

## LEGEND

 Coastal Boundary

## EXPLANATION

The coastal boundary map shows the extent of lands and coastal waters as defined by Connecticut General Statute within Connecticut's coastal area. The coastal boundary is a continuous line delineated on the landward side by the interior contour elevation of the one hundred year frequency coastal flood zone, as defined and determined by the National Flood Insurance Act, or a one thousand foot linear setback measured from the mean high water mark in coastal waters, or a one thousand foot linear setback measured from the inland boundary of tidal wetlands, whichever is farthest inland; and shall be delineated on the seaward side by the seaward extent of the jurisdiction of the state.

Any regulated activity conducted within the coastal boundary by a municipal agency (i.e., plans of development, zoning regulations, municipal coastal programs and coastal site plan review (i.e., site plans submitted to zoning commission, subdivision or resubdivision plans submitted to planning commission, application for special permit or exception to the zoning or planning commissions or zoning board of appeals, variance submitted to

zoning board of appeals and a referral of a municipal project) must be conducted in a manner consistent with the requirements of the Connecticut Coastal Management Act (CMA). As the Coastal Boundary is a hybrid of the Coastal Area, all state and federal agency activities must be consistent with the requirements of the CMA. The coastal boundary is a hybrid of the original 1:24,000 version maps prepared by DEP and the revised boundary mapping undertaken by twenty-two coastal towns. This layer therefore does not replace the legal maps and may not be used for legal determinations.

The following twenty-two towns have adopted municipal coastal boundaries: Chester, Clinton, Darien, Deep River, East Haven, Essex, Fairfield, Greenwich, Groton, Guilford, Hamden, Ledyard, Madison, Milford, New Haven, New London, North Haven, Norwalk, Old Lyme, Old Saybrook, Stamford and Waterford. The coastal boundary maps for these towns may be at different scales than the original DEP draft maps and may contain minor adjustments to the boundary.

## DATA SOURCES

**COASTAL BOUNDARY DATA** - The original boundary maps were created in 1979 on stable mylar overlay using the 1:24,000-scale US Geological Survey topographic quadrangle maps (mylar film format). The source for tidal wetland maps were the legal 1:24,000 maps (mylar format) adopted by the Commissioner of DEP and transformed to 1:24,000 mylar-scale maps by the Office of Policy and Management (OPM) using an accurate pantograph. OPM similarly converted FEMA's flood insurance maps (various scales) to a 1:24,000 mylar overlay. The inland extent of coastal waters was plotted on 1:24,000 USGS topographic maps following the procedures and sources described in The Boundary Between Saltwater and Freshwater in Connecticut, December 1978 prepared by the State of Connecticut, Department of Environmental Protection, Coastal Area Management Program.

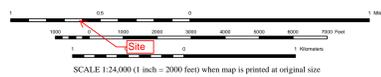
**BASE MAP DATA** - Based on data originally from 1:24,000-scale USGS 7.5 minute topographic quadrangle maps published between 1969 and 1992. It includes political boundaries, railroads, airports, hydrography, geographic names and geographic places. Streets and street names are from Tele Atlas® copyrighted data. Base map information is neither current nor complete.

### RELATED INFORMATION

This map is intended to be printed at its original dimensions in order to maintain the 1:24,000 scale (1 inch = 2000 feet).

**MAPS AND DIGITAL DATA** - Go to the CT ECO website for this map and a variety of others. Go to the DEEP website for the digital spatial data shown on this map.

### MAP LOCATION





# U.S. Fish and Wildlife Service National Wetlands Inventory

20 Cooper Ave.

Dec 9, 2014



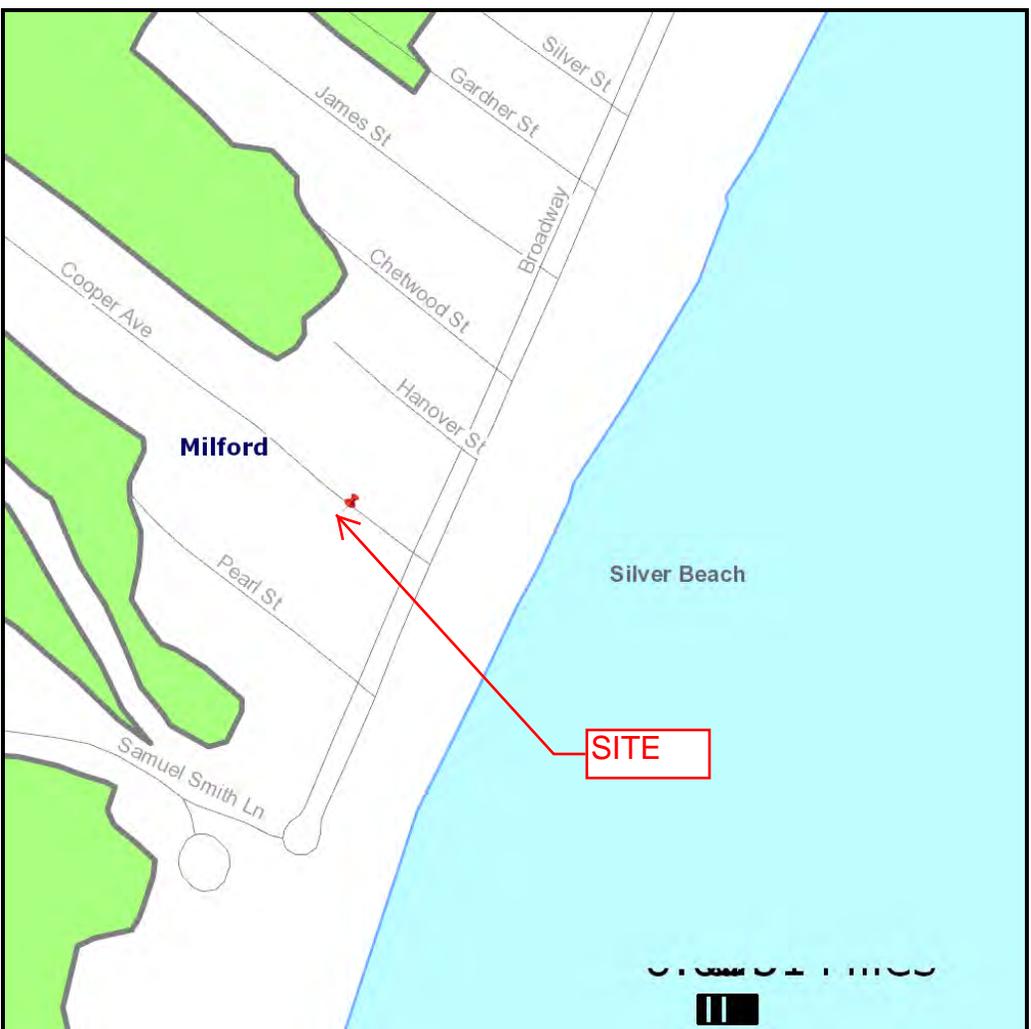
## Wetlands

- 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 currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

# Tidal Wetlands Map\_20 Cooper



Address Candidates



- Streets
- Interstate
  - US Route
  - State Route
  - Ramp
  - Street

- CT Town Line
- State Boundary
  - State Boundary - LIS
  - Town Boundary
  - Coastline

MA, NY, RI Town Line

- State
- Town
- Shoreline

CT Town Name

MA, NY, RI Town Name

- State Line
- State
  - Coastline

Waterbody Line 7

- Water
- Dam

Waterbody Poly 7

- Water

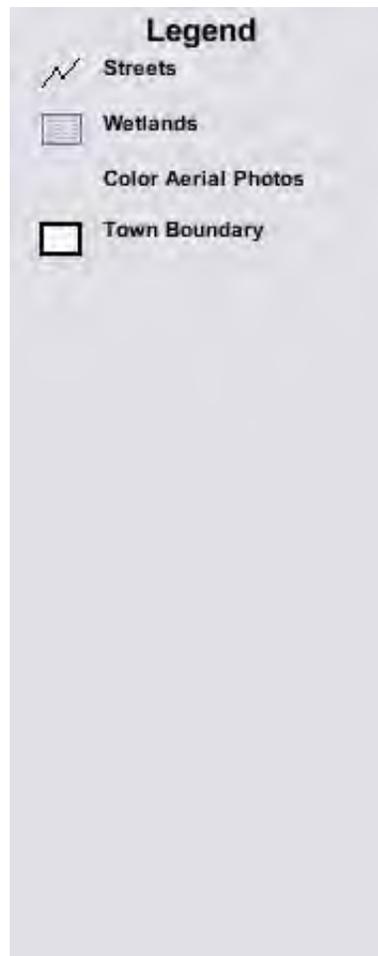
Tidal Wetland 1990s

- Tidal Wetland 1990s

Tidal Wetland 1970s

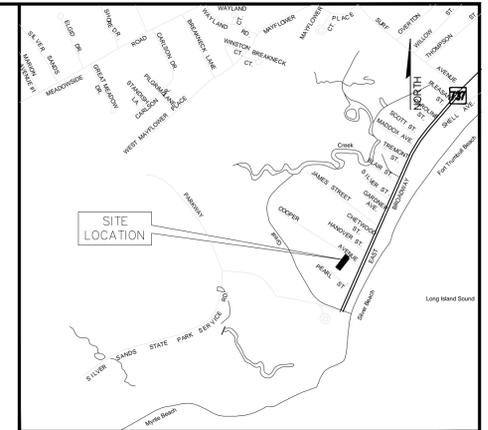
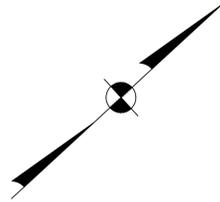
- Tidal Wetland 1970s

# Milford Town Wetlands

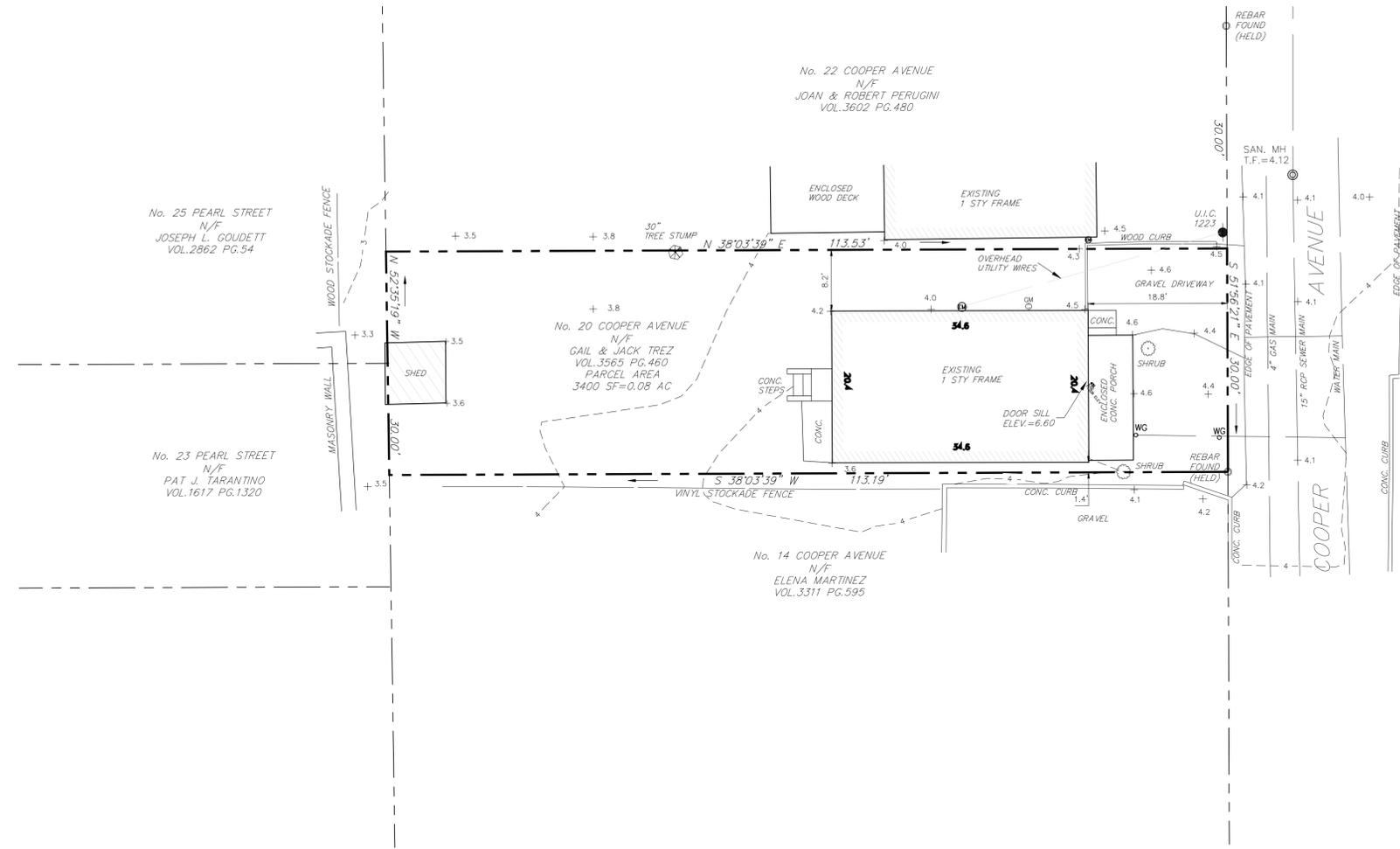


December 9, 2014

Disclaimer: This map was produced from the City of Milford Geographic Information System. The map was compiled using the most current GIS data available. It is deemed accurate, but is not guaranteed. The City expressly disclaims any liability that may result from the use of this map. This map is not a survey and is subject to any changes an actual land survey discloses.



LOCATION MAP  
NOT TO SCALE



**SURVEY NOTES**

THIS SURVEY HAS BEEN PREPARED BY FREEMAN COMPANIES, LLC. IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

THE TYPE OF SURVEY IS A BOUNDARY AND TOPOGRAPHIC SURVEY. IT IS DEPENDENT IN NATURE AND BASED UPON MAP REFERENCE NUMBER ONE.

THE SURVEY ACCURACY CONFORMS TO HORIZONTAL CLASS "A-2", TOPOGRAPHIC ACCURACY CLASS T-2.

HORIZONTAL CONTROL AND MAP BEARINGS ARE BASED ON NAD83 DATUM. VERTICAL CONTROL AND ELEVATIONS ARE BASED ON NAVD83 DATUM.

THE SUBJECT PROPERTY IS CURRENTLY OWNED BY GAIL AND JACK TREZ, SEE MILFORD LAND RECORDS VOLUME 3565 AT PAGE 60, AND IS LOCATED IN AN R5 ZONE.

THE EXISTING LOT IS NON CONFORMING TO THE CURRENT ZONING REGULATIONS FOR LOT AREA, WIDTH AND FRONTAGE. ITS USE IS DECLARED TO BE NONCONFORMING BUT NOT IN VIOLATION SINCE THE LOT EXISTED OF RECORD PRIOR TO MARCH 15, 1997. SEE SECTION 8-13a OF THE CONNECTICUT GENERAL STATUTES LISTED HERE FOR REFERENCE.

THE PROPERTY DEPICTED HEREON IS LOCATED IN FLOOD ZONE AE [BASE FLOOD ELEVATIONS DETERMINED] (ELEVATION 11') AND FLOOD ZONE VE [COASTAL FLOOD ZONE WITH VELOCITY HAZARD (WAVE ACTION); BASE FLOOD ELEVATIONS DETERMINED] (ELEVATION 13') BASED ON A VISUAL INSPECTION OF "FIRM FLOOD INSURANCE RATE MAP NEW HAVEN COUNTY, CONNECTICUT PANEL 529 OF 635 MAP NUMBER 0900900529J MAP REVISED JULY 8, 2013 BY: FEDERAL EMERGENCY MANAGEMENT AGENCY."

"SEC. 8-13A. NONCONFORMING BUILDINGS AND LAND USES. (A) WHEN A BUILDING IS SO SITUATED ON A LOT THAT IT VIOLATES A ZONING REGULATION OF A MUNICIPALITY WHICH PRESCRIBES THE LOCATION OF SUCH A BUILDING IN RELATION TO THE BOUNDARIES OF THE LOT OR WHEN A BUILDING IS SITUATED ON A LOT THAT VIOLATES A ZONING REGULATION OF A MUNICIPALITY WHICH PRESCRIBES THE MINIMUM AREA OF THE LOT, AND WHEN SUCH BUILDING HAS BEEN SO SITUATED FOR THREE YEARS WITHOUT THE INSTITUTION OF AN ACTION TO ENFORCE SUCH REGULATION, SUCH BUILDING SHALL BE DEEMED A NONCONFORMING BUILDING IN RELATION TO SUCH BOUNDARIES OR TO THE AREA OF SUCH LOT, AS THE CASE MAY BE."

THE UNDERGROUND FEATURES DEPICTED HEREON ARE THE RESULT OF COMPILED OF EXISTING MAPPING AND LOCATION OF UTILITY PAINT. ACTUAL LOCATION OF UNDERGROUND UTILITIES IS TO BE CONSIDERED TO BE APPROXIMATE AT BEST. OTHER UTILITIES MAY EXIST WHICH FREEMAN COMPANIES ARE UNAWARE OF. VERIFY INFORMATION IN THE FIELD. BEFORE ANY DIGGING OR SITE EXCAVATION CALL "CALL BEFORE YOU DIG" 1-800-922-4455.

**MAP REFERENCES**

1. SILVER SANDS, PROPERTY OF THEODORE THOMPSON, ESTATE, CURTIS THOMPSON AND JOHN W. THOMPSON, MILFORD, CONNECTICUT DATED DECEMBER 1913, MADE BY PALMER AND GOODELL TO CORRECT AN EARLIER MAP DATED AUGUST 1912".
2. "PROPERTY SURVEY MAP 14 COOPER AVENUE MILFORD, CONNECTICUT, COMPUTED BY: D.R.S., DRAWN BY: A.L.S., CHECKED BY: D.R.S., DATED 9/01/2009 SCALE 1"=20', JOB NO. 109751 SCHULL ASSOCIATES, INC. CONSULTING ENGINEERS, LAND SURVEYORS, LAND PLANNERS 367 HIGHLAND STREET WEST HAVEN, CONNECTICUT, (203)-932-8233".

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TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS DEPICTED AND NOTED HEREON.

**LEGEND**

	PROPERTY LINE
	CHAIN LINK FENCE
	WATER LINE
	SANITARY LINE
	GAS LINE
	METAL POST
	UTILITY POLE
	PROPERTY CORNER IRON PIN
	CATCH BASIN
	SANITARY MANHOLE
	MAILBOX
	DECIDUOUS TREE
	VOLUME
	PAGE



PREPARED FOR  
Lothrop Associates, LLP  
333 Westchester Avenue  
White Plains, NY 10604

OWNER  
GAIL & JACK TREZ  
464 MEADOWSIDE RD.  
MILFORD, CT 06460

NO.	DATE	DESCRIPTION

**FREEMAN COMPANIES, LLC**  
36 JOHN STREET  
HARTFORD, CT 06106  
WWW.FREEMANCS.COM  
(860)251-9550  
FAX: (860)966-7161

**BOUNDARY & TOPOGRAPHIC SURVEY**  
PREPARED FOR  
**LOTHROP ASSOCIATES, LLP**  
#20 COOPER AVENUE  
MILFORD, CONNECTICUT

DRAFTED: K.R.  
APPROVED: O.B.  
SCALE: 1" = 10'  
PROJECT NO.: 2014-0306  
DATE: 1/26/15  
CAD FILE: 2014-0306

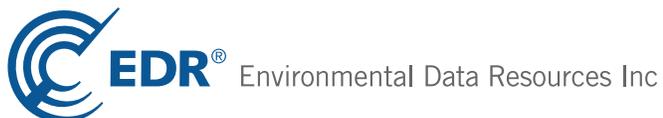
TITLE:  
**BOUNDARY & TOPOGRAPHIC SURVEY**

SHEET NUMBER:  
**1**

**COOPER AVE**  
COOPER AVE  
Milford, CT 06460

Inquiry Number: 4130351.5s  
November 10, 2014

**EDR NEPACheck®**



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***Thank you for your business.***  
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with any questions or comments.

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## EDR NEPACheck<sup>®</sup> DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

<b>Section</b>	<b>Regulation</b>
<b>Natural Areas Map</b>	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
<b>Historic Sites Map</b>	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
<b>Flood Plain Map</b>	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
<b>Wetlands Map</b>	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
<b>FCC &amp; FAA Map</b>	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
<b>Key Contacts and Government Records Searched</b>	

# MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 23 of this report.

## TARGET PROPERTY ADDRESS

COOPER AVE  
COOPER AVE  
MILFORD, CT 06460

Inquiry #: 4130351.5s  
Date: 11/10/14

## TARGET PROPERTY COORDINATES

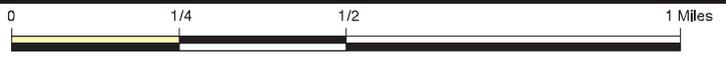
Latitude (North): 41.202000 - 41° 12' 7.2"  
Longitude (West): 73.064697 - 73° 3' 52.9"  
Universal Tranverse Mercator: Zone 18  
UTM X (Meters): 662272.3  
UTM Y (Meters): 4562774.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<b><u>NATURAL AREAS MAP</u></b>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	CT Natural Diversity	1.00	YES	YES
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<b><u>HISTORIC SITES MAP</u></b>				
1.1307a (4) Listed or eligible for National Register	CT Historic Sites	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
	APPAL_TRAIL	1.00	NO	NO
<b><u>FLOODPLAIN MAP</u></b>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
<b><u>WETLANDS MAP</u></b>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
	NY COASTAL ZONE	20.00	YES	NO
<b><u>FCC &amp; FAA SITES MAP</u></b>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	NO	NO
	Towers	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---

# Natural Areas Map



- ★ Target Property
- ⊕ Locations
- ⚡ Roads
- ▨ Federal Areas
- ⚡ County Boundary
- ⚡ Federal Linear Features
- ⚡ Waterways
- ▨ State Areas
- Water
- ⚡ State Linear Features



SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.5s  
 DATE: November 10, 2014

# NATURAL AREAS MAP FINDINGS

**Federal Endangered Species Listed for: NEW HAVEN County, CT.**

Source: EPA Endangered Species Protection Program Database

BIRD: EAGLE, BALD  
 BIRD: PLOVER, PIPING  
 BIRD: TERN, ROSEATE  
 BIRD: TERN, ROSEATE  
 MAMMAL: BAT, INDIANA

Map ID	Direction	Distance	Distance (ft.)	EDR ID	Database
1	NE	0-1/8 mi	48	CTEN000001	CT Natural Diversity
		Text:		No details provided by source agency	
2	WSW	1/8-1/4 mi	780	CTEN000001	CT Natural Diversity
		Text:		No details provided by source agency	
3	NW	1/4-1/2 mi	1380	CTEN000001	CT Natural Diversity
		Text:		No details provided by source agency	
4	SE	1/2-1 mi	3274	CTEN000001	CT Natural Diversity
		Text:		No details provided by source agency	

# Historic Sites Map



- ★ Target Property
- ⚡ Streets
- 🔴 County Boundary
- 🌊 Waterways
- 🟦 Water
- 📍 Historic Sites
- 🏠 Federal Historic Areas
- 🏡 State Historic Areas
- 🏞️ US Indian Reservations
- 🌳 Scenic Trail



SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.5s  
 DATE: November 10, 2014

## HISTORIC SITES MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

---

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

Unmappable  
CT200800000540  
CT Historic Sites

Fname: BOARDMAN'S BRIDGE  
Address: Boardman Rd. at Housatonic River, N.W. of New Milford  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 13-MAY-76  
Fagency: HAER  
Edr id: CT200800000540

Unmappable  
CT200800000541  
CT Historic Sites

Fname: H. S. HALPINE TOBACCO WAREHOUSE  
Address: West and Mill Sts.  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 16-DEC-82  
Fagency: Not Reported  
Edr id: CT200800000541

Unmappable  
CT200800001205  
CT Historic Sites

Fname: HEBREW CONGREGATION OF WOODMONT (HISTORIC SYNAGOGUES OF CONNECTICUT  
MPS)  
Address: 15 and 17 Edgefield Ave.  
Fcity: MILFORD  
Fcnty: NEW HAVEN COUNTY  
Flisted: 21-JUL-95  
Fagency: Not Reported  
Edr id: CT200800001205

Unmappable  
CT200800000543  
CT Historic Sites

Fname: HOUSATONIC RAILROAD STATION  
Address: Railroad St.  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 01-MAR-84  
Fagency: Not Reported  
Edr id: CT200800000543

Unmappable  
CT200800001206  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Fname: HOUSATONIC RIVER RAILROAD BRIDGE (MOVABLE RAILROAD BRIDGES ON THE NE  
CORRIDOR IN CONNECTICUT TR) (also in Stratford)  
Address: AMTRAK Right-of-way at Housatonic River  
Fcity: MILFORD  
Fcnty: NEW HAVEN COUNTY  
Flisted: 12-JUN-87  
Fagency: Not Reported  
Edr id: CT2008000001206

---

Unmappable  
CT2008000000544  
CT Historic Sites

Fname: LOVER'S LEAP BRIDGE  
Address: S. of New Milford on Pumpkin Hill Rd.  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 13-MAY-76  
Fagency: HAER  
Edr id: CT2008000000544

---

Unmappable  
CT2008000000546  
CT Historic Sites

Fname: MERRYALL UNION EVANGELICAL SOCIETY CHAPEL  
Address: Chapel Hill Road  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 05-JUN-86  
Fagency: Not Reported  
Edr id: CT2008000000546

---

Unmappable  
CT2008000000547  
CT Historic Sites

Fname: MERWINSVILLE HOTEL  
Address: E. of Gaylordsville on Brown's Forge Rd.  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 29-AUG-77  
Fagency: Not Reported  
Edr id: CT2008000000547

---

Unmappable  
CT2008000001207  
CT Historic Sites

## UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status  
EDR ID  
Database

---

Fname: MILFORD POINT HOTEL  
Faddress: Milford Point Rd.  
Fcity: MILFORD  
Fcnty: NEW HAVEN COUNTY  
Flisted: 22-JAN-88  
Fagency: Not Reported  
Fedr id: CT2008000001207

Unmappable  
CT2008000000548  
CT Historic Sites

---

Fname: NEW MILFORD CENTER HISTORIC DISTRICT  
Faddress: Roughly bounded by Bennet and Elm Sts., Center Cemetery, East, S.  
Main, and Mill Sts., and the Railroad  
Fcity: NEW MILFORD  
Fcnty: LITCHFIELD COUNTY  
Flisted: 13-JUN-86  
Fagency: Not Reported  
Fedr id: CT2008000000548

Unmappable  
CT2008000001208  
CT Historic Sites

---

Fname: RIVER PARK HISTORIC DISTRICT  
Faddress: Roughly bounded by Boston Post Rd., Governors Ave., AMTRAK  
Right-of-way, and High St  
Fcity: MILFORD  
Fcnty: NEW HAVEN COUNTY  
Flisted: 14-AUG-86  
Fagency: LHD  
Fedr id: CT2008000001208

Unmappable  
CT2008000001212  
CT Historic Sites

---

Fname: WASHINGTON BRIDGE (also in Stratford)  
Faddress: US 1 at Housatonic R.  
Fcity: MILFORD  
Fcnty: NEW HAVEN COUNTY  
Flisted: 29-SEP-04  
Fagency: Not Reported  
Fedr id: CT2008000001212

# Flood Plain Map



- Major Roads
- Pipe Lines
- Contour Lines
- Fault Lines
- Waterways
- County Boundary
- Water
- 100-year flood zone
- 500-year flood zone
- Electronic FEMA data available
- Electronic FEMA data not available



SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.5s  
 DATE: November 10, 2014

# FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

---

NEW HAVEN, CT

YES

Flood Plain panel at target property:

09009C (FEMA DFIRM Flood data)

Additional Flood Plain panel(s) in search area:

None Reported

# National Wetlands Inventory Map



- Major Roads
- Contour Lines
- Waterways
- County Boundary

- Pipe Lines
- Fault Lines

- Water
- National Wetlands Inventory
- State Wetlands
- Electronic NWI data available
- Electronic NWI data not available



SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.5s  
 DATE: November 10, 2014

## WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Milford  
 Additional NWI hardcopy map(s) in search area:  
 Not reported in source data

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	ESE	0-1/8 mi	294	E2USP [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [P] Irregularly Flooded Lat/Lon: 41.201611 / -73.063759	NWI
2	NNW	0-1/8 mi	381	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.202950 / -73.065285	NWI
3	ESE	0-1/8 mi	414	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.201649 / -73.063263	NWI
4	ESE	1/8-1/4 mi	824	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.201385 / -73.061813	NWI
5	SW	1/8-1/4 mi	837	PEM1Ex [P] Palustrine, [EM] Emergent, [1] Persistent, [E] Seasonally Flooded/Saturated, [x] Excavated Lat/Lon: 41.200439 / -73.066933	NWI
6	NNW	1/4-1/2 mi	1723	PFO1/SS1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.206150 / -73.067696	NWI
7	NNW	1/4-1/2 mi	2045	PFO1/SS1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.207096 / -73.067810	NWI
8	NW	1/4-1/2 mi	2295	PFO1/SS1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.206085 / -73.071053	NWI

\*See Wetland Classification System for additional information.

## WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 South 1/4-1/2 mi 2381	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.195576 / -73.066292	NWI
10 SW 1/4-1/2 mi 2537	E2USP [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [P] Irregularly Flooded Lat/Lon: 41.197193 / -73.071373	NWI
11 West 1/2-1 mi 2680	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 41.201908 / -73.074440	NWI
12 WNW 1/2-1 mi 2709	PSS5/UBH [P] Palustrine, [SS] Scrub-Shrub, [5] Dead / , [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.205391 / -73.073456	NWI
13 WNW 1/2-1 mi 2919	PSS5/UBH [P] Palustrine, [SS] Scrub-Shrub, [5] Dead / , [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.203724 / -73.075058	NWI
14 WSW 1/2-1 mi 2982	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 41.197746 / -73.073959	NWI
15 West 1/2-1 mi 3398	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 41.200329 / -73.076851	NWI
16 WSW 1/2-1 mi 3413	PEM1F [P] Palustrine, [EM] Emergent, [1] Persistent, [F] Semipermanently Flooded Lat/Lon: 41.199398 / -73.076614	NWI
17 WSW 1/2-1 mi 3698	PUBHx [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [x] Excavated Lat/Lon: 41.198650 / -73.077377	NWI

\*See Wetland Classification System for additional information.

## WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 North 1/2-1 mi 3920	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.212730 / -73.065742	NWI
19 NNE 1/2-1 mi 4444	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.213169 / -73.058205	NWI
20 NNE 1/2-1 mi 4535	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.213722 / -73.059166	NWI
21 NNE 1/2-1 mi 4585	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.212963 / -73.056519	NWI
22 NNE 1/2-1 mi 4663	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.213234 / -73.056580	NWI
23 NE 1/2-1 mi 4694	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.212494 / -73.054802	NWI
24 NNE 1/2-1 mi 4776	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.213451 / -73.056259	NWI
25 North 1/2-1 mi 4964	PSS1T [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [T] Semipermanent-Tidal Lat/Lon: 41.215385 / -73.061325	NWI

\*See Wetland Classification System for additional information.

# WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

**SYSTEM**

**MARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

**2 - INTERTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

**SYSTEM**

**E - ESTUARINE**

**SUBSYSTEM**

**1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

**SUBSYSTEM**

**2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

**SYSTEM**

**R - RIVERINE**

**SUBSYSTEM**

**1 - TIDAL      2 - LOWER PERENNIAL      3 - UPPER PERENNIAL      4 - INTERMITTENT      5 - UNKNOWN PERENNIAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

\* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.  
 \*\*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

**SYSTEM**

**L - LACUSTRINE**

**SUBSYSTEM**

**1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

**SUBSYSTEM**

**2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

**SUBSYSTEM**

**P - PALUSTRINE**

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Bottom									
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

**MODIFIERS**

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal	Inland	Salinity	pH	Modifiers		
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal	1 Hyperhaline	7 Hypersaline	<b>all Fresh Water</b>	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal	2 Euhaline	8 Eusaline	a Acid	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal	3 Mixohaline (Brackish)	9 Mixosaline	t Circumneutral		f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal	4 Polyhaline	0 Fresh	i Alkaline		h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown	5 Mesohaline				r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown			0 Fresh				x Excavated

# FCC & FAA Sites Map



-  Streets
-  Contour Lines
-  County Boundary
-  Waterways
-  Water
-  Sites



SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.5s  
 DATE: November 10, 2014

# FCC & FAA SITES MAP FINDINGS TOWERS

Map ID  
Direction  
Distance  
Distance (ft.)

EDR ID  
Database

---

No Sites Reported.

# FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID  
Database

---

No Sites Reported.

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

### **NATURAL AREAS**

#### **Officially designated wilderness areas**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

National Park Service, Northeast Region

200 custom Street, Fifth Floor

Philadelphia, PA 19106

215-597-7013

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

#### **Officially designated wildlife preserves, sanctuaries and refuges**

##### Government Records Searched in This Report

FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

##### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

##### State Contacts for Additional Information

Dept. of Environmental Protection 860-424-3474

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **Wild and scenic rivers**

#### Government Records Searched in This Report

##### FED\_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

#### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

### **Endangered Species**

#### Government Records Searched in This Report

##### Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

##### CT Natural Diversity: CT Natural Diversity Database

Point locations of listed species and significant natural communities

Source: Dept. of Environmental Protection.

Telephone: 860-424-3378

#### Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

#### State Contacts for Additional Information

Natural Diversity Database, Dept. of Environmental Protection 860-424-3540

### **LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES**

#### **Historic Places**

##### Government Records Searched in This Report

##### National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

CT Historic Sites: Connecticut National Register of Historic Places  
Listing of historic sites included on the National Register for Connecticut.  
Source: Connecticut Historical Commission.  
Telephone: 860-566-3005

### Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation  
1849 C Street NW  
Washington, DC 20240  
Phone: (202) 208-6843

### State Contacts for Additional Information

Connecticut Historical Commission 860-566-3005

### **Indian Religious Sites**

#### Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

### Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs  
Office of Public Affairs  
1849 C Street, NW  
Washington, DC 20240-0001  
Office: 202-208-3711  
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers  
1411 K Street NW, Suite 700  
Washington, DC 20005  
Phone: 202-628-8476  
Fax: 202-628-2241

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:  
<http://www.doi.gov/bia/areas/agency.html>

### **Scenic Trails**

#### Government Records Searched in This Report

APPAL\_TRAIL: Appalachian National Scenic Trail

Source: Appalachian Trail Conservancy and National Park Service Appalachian Trail Park Office

Telephone: (304) 535-6278

Appalachian Trail centerline.

#### State Contacts for Additional Information

Appalachian Trail Conference

799 Washington Street P.O. Box 807

Harpers Ferry, WV 25425-0807

(304) 535-6331

### **FLOOD PLAIN, WETLANDS AND COASTAL ZONE**

#### **Flood Plain Management**

##### Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

#### Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

#### State Contacts for Additional Information

Office of Emergency Management 860-566-3180

#### **Wetlands Protection**

##### Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

#### State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection

Telephone: 860-871-4047

#### Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

#### State Contacts for Additional Information

Natural Resources and Environment 860-424-3474

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **Coastal Zone Management**

#### Government Records Searched in This Report

##### **CAMA Management Areas**

Dept. of Env., Health & Natural Resources  
919-733-2293

#### Federal Contacts for Additional Information

##### **Office of Ocean and Coastal Resource Management**

N/ORM, SSMC4  
1305 East-West Highway  
Silver Spring, Maryland 20910  
301-713-3102

#### State Contacts for Additional Information

Dept. of Env. Protection, Office of Long Island Sound Programs 860-424-3034

### **FCC & FAA SITES MAP**

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

#### Government Records Searched in This Report

##### **Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **4G Cellular**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Antenna Structure Registration**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **Towers**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

##### **AM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

## KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

### **FM Antenna**

Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554  
888-225-5322

### **FAA Digital Obstacle File**

Federal Aviation Administration (FAA)  
1305 East-West Highway, Station 5631  
Silver Spring, MD 20910-3281  
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

### **Airport Landing Facilities**

Federal Aviation Administration  
Telephone (800) 457-6656  
Private and public use landing facilities.

### **Excessive Radio Frequency Emission**

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

### Federal Contacts for Additional Information

Office of Engineering and Technology  
Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554  
Phone: 202-418-2470

### **OTHER CONTACT SOURCES**

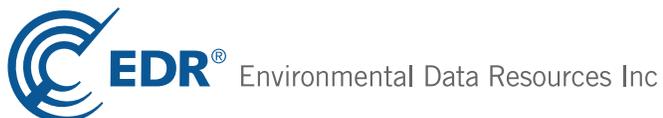
### **STREET AND ADDRESS INFORMATION**

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**COOPER AVE**  
COOPER AVE  
Milford, CT 06460

Inquiry Number: 4130351.2s  
November 10, 2014

## The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

GeoCheck - Not Requested

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

COOPER AVE  
NEW HAVEN County, CT 06460

#### COORDINATES

Latitude (North): 41.2020000 - 41° 12' 7.20"  
Longitude (West): 73.0647000 - 73° 3' 52.92"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 662272.3  
UTM Y (Meters): 4562774.5  
Elevation: 6 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 41073-B1 MILFORD, CT  
Most Recent Revision: 1984

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120821, 20120712, 20120725  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

NPL..... National Priority List

## EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System  
FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... List of Landfills/Transfer Stations

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

AST..... Marine Terminals and Tank Information  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

### ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Engineering Controls Listing

## EXECUTIVE SUMMARY

AUL..... ELUR Sites

### **State and tribal voluntary cleanup sites**

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Remediation Sites

### **State and tribal Brownfields sites**

BROWNFIELDS..... Brownfields Inventory

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

US BROWNFIELDS..... A Listing of Brownfields Sites

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
SWRCY..... Recycling Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

#### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
CDL..... Clandestine Drug Lab Listing  
US HIST CDL..... National Clandestine Laboratory Register

#### **Local Land Records**

LIENS 2..... CERCLA Lien Information  
LIENS..... Environmental Liens Listing  
CT PROPERTY..... Property Transfer Filings

#### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Oil & Chemical Spill Database  
SPILLS 90..... SPILLS 90 data from FirstSearch

#### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act

## EXECUTIVE SUMMARY

FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
LWDS.....	Connecticut Leachate and Wastewater Discharge Sites
MANIFEST.....	Hazardous Waste Manifest Data
DRYCLEANERS.....	Drycleaner Facilities
ENF.....	Enforcement Case Listing
NPDES.....	Wastewater Permit Listing
AIRS.....	Permitted Air Sources Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
SEH.....	List of Significant Environmental Hazards Report to DEEP
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
Financial Assurance.....	Financial Assurance Information Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH DOE.....	Steam-Electric Plant Operation Data
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat.....	EDR Exclusive Historic Gas Stations
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank
RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent CERCLIS***

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Protection's Inventory of Hazardous Disposal Sites.

A review of the SHWS list, as provided by EDR, and dated 04/23/2010 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SILVER SANDS LANDFILL</b>	<b>165 SAMUEL A. SMITH LAN</b>	<b>WNW 1/8 - 1/4 (0.144 mi.)</b>	<b>3</b>	<b>11</b>
<b>MRMC, INC.</b>	<b>857 BRIDGEPORT AVENUE</b>	<b>NW 1/2 - 1 (0.814 mi.)</b>	<b>7</b>	<b>23</b>

SDADB: Site Discovery and Assessment Database.

A review of the SDADB list, as provided by EDR, and dated 04/23/2010 has revealed that there is 1 SDADB site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SILVER SANDS LANDFILL</b>	<b>165 SAMUEL A. SMITH LAN</b>	<b>WNW 1/8 - 1/4 (0.144 mi.)</b>	<b>3</b>	<b>11</b>

#### ***State and tribal leaking storage tank lists***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's Leaking Underground Storage Tank List.

A review of the LUST list, as provided by EDR, and dated 09/09/2014 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AL DUBOIS</b>	<b>40 CARLSON DR.</b>	<b>NW 1/4 - 1/2 (0.382 mi.)</b>	<b>6</b>	<b>19</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>EAST BROADWAY PUMP STATION</b>	<b>86 SAMUEL SMITH LANE</b>	<b>W 1/8 - 1/4 (0.139 mi.)</b>	<b>A2</b>	<b>7</b>
<b>MR. DUPHINEE</b>	<b>414 WEST MAYFLOWER ROAD</b>	<b>NW 1/4 - 1/2 (0.297 mi.)</b>	<b>5</b>	<b>15</b>

#### ***State and tribal registered storage tank lists***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's "Town Inventory" UST Listing.

A review of the UST list, as provided by EDR, and dated 06/03/2014 has revealed that there are 2 UST

## EXECUTIVE SUMMARY

sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SILVER SANDS STATE PARK	SAMUEL SMITH LANE	W 1/8 - 1/4 (0.240 mi.)	4	13

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EAST BROADWAY PUMP STATION	86 SAMUEL SMITH LN	W 1/8 - 1/4 (0.139 mi.)	A1	7

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

CPCS: A list of Contaminated or Potentially Contaminated Sites within Connecticut. This list represents the "Hazardous Waste Facilities," as defined in Section 22a-134f of the Connecticut General Statutes (CGS). The list contains the following types of sites: Sites listed on the Inventory of Hazardous Waste Disposal Sites; Sites subject to the Property Transfer Act; Sites at which underground storage tanks are known to have leaked; Sites at which hazardous waste subject to the RCRA; Sites that are included in EPA's (CERCLIS); Sites that are the subject of an order issued by the Commissioner of DEP that requires investigation and remediation of a potential or known source of pollution; and Sites that have entered into one of the Department's Voluntary Remediation Programs.

A review of the CPCS list, as provided by EDR, and dated 01/30/2014 has revealed that there are 3 CPCS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SILVER SANDS LANDFILL</i></b>	<b><i>165 SAMUEL A. SMITH LAN</i></b>	<b><i>WNW 1/8 - 1/4 (0.144 mi.)</i></b>	<b><i>3</i></b>	<b><i>11</i></b>
<b><i>AL DUBOIS</i></b>	<b><i>40 CARLSON DR.</i></b>	<b><i>NW 1/4 - 1/2 (0.382 mi.)</i></b>	<b><i>6</i></b>	<b><i>19</i></b>

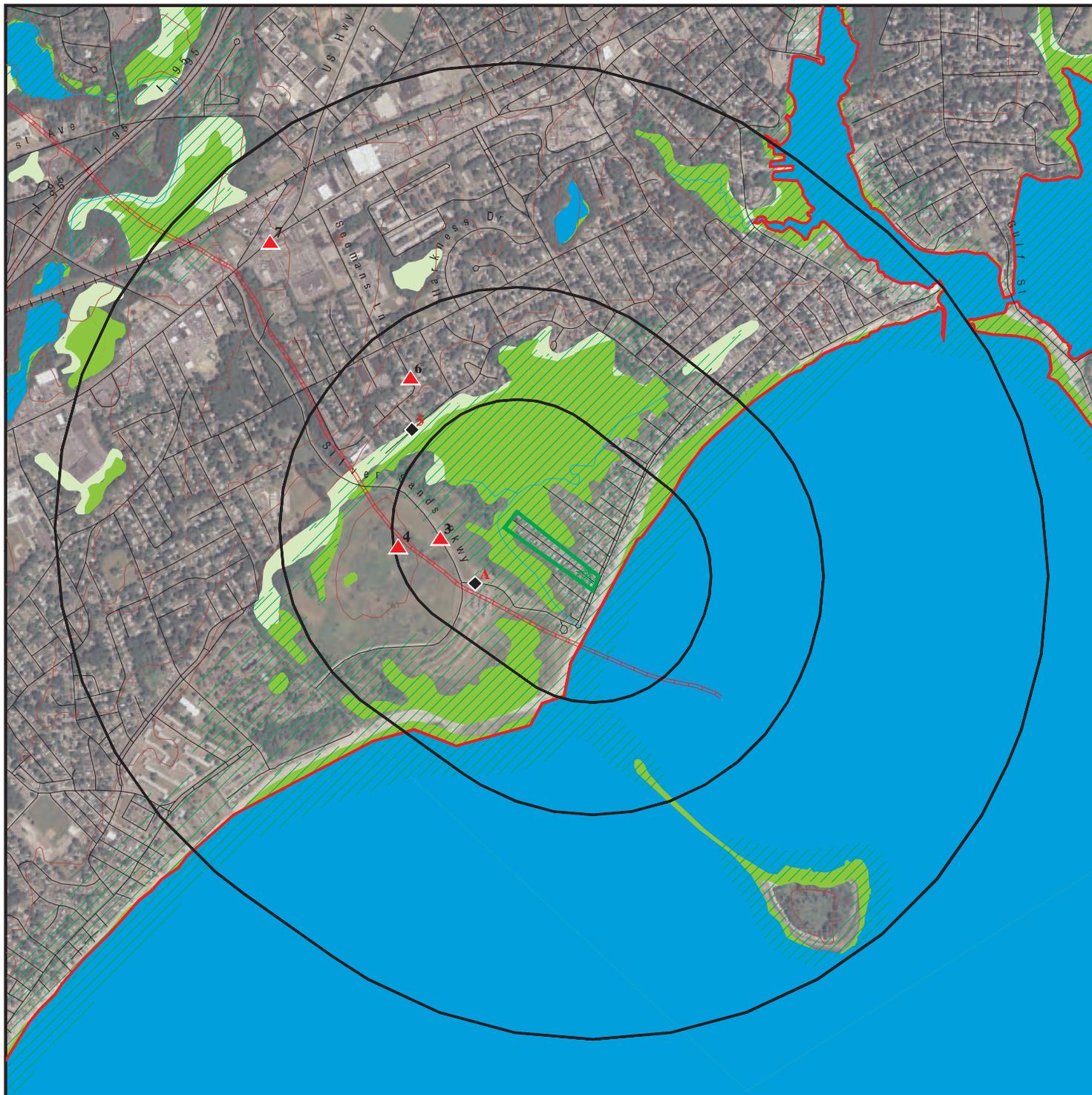
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>MR. DUPHINEE</i></b>	<b><i>414 WEST MAYFLOWER ROAD</i></b>	<b><i>NW 1/4 - 1/2 (0.297 mi.)</i></b>	<b><i>5</i></b>	<b><i>15</i></b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
SILVER SANDS LANDFILL	CERC-NFRAP SWF/LF
MAPLEWOOD AVE. & EAST BROADWAY	FINDS

# OVERVIEW MAP - 4130351.2S



 Target Property

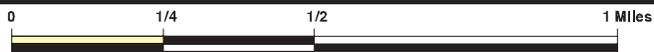
 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 County Boundary

 Oil & Gas pipelines from USGS

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.2s  
 DATE: November 10, 2014 4:11 pm

# DETAIL MAP - 4130351.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  County Boundary
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: COOPER AVE  
 ADDRESS: COOPER AVE  
 Milford CT 06460  
 LAT/LONG: 41.202 / 73.0647

CLIENT: Freeman Companies LLC  
 CONTACT: Doug Brink  
 INQUIRY #: 4130351.2s  
 DATE: November 10, 2014 4:13 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	1	0	1	NR	2
SDADB	0.500		0	1	0	NR	NR	1
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	1	2	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
UST	0.250		0	2	NR	NR	NR	2

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
CT PROPERTY	TP		NR	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
LWDS	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
SEH	0.500		0	0	0	NR	NR	0
CPCS	0.500		0	1	2	NR	NR	3
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA LUST	TP		NR	NR	NR	NR	NR	0
RGA HWS	TP		NR	NR	NR	NR	NR	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**            **EAST BROADWAY PUMP STATION**  
**West**        **86 SAMUEL SMITH LN**  
**1/8-1/4**      **MILFORD, CT 06460**  
**0.139 mi.**  
**734 ft.**        **Site 1 of 2 in cluster A**

**UST**    **U004193100**  
          **N/A**

**Relative:**  
**Lower**

UST:  
Facility Id:            84-44953  
Latitude:              Not reported  
Longitude:             Not reported  
Owner:                 CITY OF MILFORD  
Owner Address:        83 FORD ST  
Owner Address 2:      Not reported  
Owner City,St,Zip:    MILFORD, CT 064612549

**Actual:**  
**2 ft.**

Tank ID:                3f881b7a-192e-449d-9ec0-876ecea9aeb1  
Compartment ID:      c6448307-c7cc-463a-9748-c4a4192cbae3  
Compartment Num:    1  
Alt. Tank ID:          A1  
**Tank Status:            Permanently Closed**  
Tank Material:         Fiberglass Reinforced Plastic  
Secondary Material:   Not reported  
Capacity:              2000  
Substance:             Diesel  
Date Installed:        01/01/1990  
Date Last Used:       12/01/2011  
**Closure Status:        Tank was Removed From Ground**  
Pipe Material:         Other (Specify)  
Pipe Mode Description: Not reported  
Spill Installed:        Not reported  
Overfill Installed:    Not reported

**A2**            **EAST BROADWAY PUMP STATION**  
**West**        **86 SAMUEL SMITH LANE**  
**1/8-1/4**      **MILFORD, CT**  
**0.139 mi.**  
**734 ft.**        **Site 2 of 2 in cluster A**

**LUST**    **S111442071**  
**SPILLS**   **N/A**

**Relative:**  
**Lower**

LUST:  
LUST Id:                0  
UST Facility Id:        0  
LUST Case Id:          60201  
Lust Status:            Lust Completed  
Processing Status:     Not reported  
EPA Reportable:       False  
Motor Fuel:             True  
Diesel:                 True  
Gasoline:               False  
Other:                    False  
Other Release:         Not reported  
No Release:             False  
Leak:                    False  
Tank:                    True  
Piping:                  False  
Overfill:                False  
Removal:                True  
Incident Date:         2011-12-09 00:00:00  
Entry Date:             2012-05-11 00:00:00  
Site Case Id:            201108096  
UST Site Id:            0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EAST BROADWAY PUMP STATION (Continued)**

**S111442071**

Cost Recovery Spill Case #: 0  
Old SITS Number: 0  
Case Log Id: 0  
Monthly Report Id: 0  
UST Owner Id: 0  
LUST Owner Id: Not reported  
UST Event Id: 0  
Contact Info: Not reported  
Contact EMail: Not reported  
Site Contact City,St,Zip: UNKNOWN  
2nd Contact: Julie Williams (Aecom)  
2nd Contact EMail: julie.williams2@aecom.com  
2nd Contact Address: 500 Enterprise Drive  
2nd Contact City,St,Zip: 119, CT 06067  
2nd Contact Address 2: Suite 1A  
2nd Contact City 2: Rocky Hill  
2nd Contact Phone Number: 8606834200  
2nd Contact Fax Number: 8602635777  
2nd Contact Type: Environmental Scientist  
Facility City Num: 84  
Site Contact: Not reported  
Site Contact Address: Not reported  
Site Contact Add 2: Not reported  
Site Contact City 2: Not reported  
Site Contact Phone: Not reported  
Site Contact Fax: Not reported  
Site Contact Type: Not reported  
Department Contact 1: Not reported  
Department Contact 2: Not reported  
Referral Source: Not reported  
Offsite Source: False  
Date Referred: Not reported  
Emergency: False  
Private Heating Fuel: False  
Commercial Heating Fuel: False  
Commercial HF < 2100 Gal.: False  
Commercial HF > 2100 Gal.: False  
Commercial HF - Size Unk: False  
No LUST Site: False  
Cost Recvry Prgm Candidate: False  
OCSR Complete: False  
Follow Up Flag: False  
Alternate Water Supply: False  
Relocation: False  
Responsible Party: False  
Responsible EMail: Not reported  
Resp Party Name: City of Milford  
Resp Party Address: 1255 Oronoque Road  
Resp Party City,St,Zip: Milford, CT 064611714  
Resp Party Town Number: 84  
Resp Party Phone: 2037833263  
Resp Party Fax: Not reported  
Resp Party Name 2: Not reported  
Resp Party Address 2: Not reported  
Resp Party Phone 2: Not reported  
Investigator Id: 0  
Follow Update: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EAST BROADWAY PUMP STATION (Continued)**

**S111442071**

Area Lextent:	Not reported
Annual Precipitation:	Not reported
Affected Population:	Not reported
Population Setting:	Not reported
Ground Water Direction:	Not reported
Ground Water Gradient:	Not reported
Hydro Basin:	Not reported
Drastic:	Not reported
Geo Setting:	Not reported
Ground Water Classification:	GB
Receptor:	Not reported
Ground Water Flow Direction:	Not reported
Ground Water Depth:	Not reported
Areas Of Concern:	Not reported
Free Product Inches:	0
Fund Date:	Not reported
Fund Planned:	No
Fund Obligated:	No
Fund Outlayed:	No
Fund Judgment:	No
Fund Recovered:	No
Cellar Borings:	False
Install Micro Wells:	False
Ground Water Sample:	True
Soil Sample:	True
Soil Gas:	False
Site Inspect:	False
Soil Excavate:	False
Geo Probe:	False
Survey:	False
Potable Well Sample:	False
Sample MWS:	False
Ground Water Gauging:	False
Soil Venting:	False
Active:	True
NOV Action:	None
NOV Issued:	Not reported
NOV Due:	Not reported
NOV Received:	Not reported
NOV Closed:	Not reported
NOV Disc Date:	Not reported
NOV Issued Date:	Not reported
NOV Compliance Sched:	Not reported
NOV Admin Order:	Not reported
NOV Referred To Ag:	Not reported
Stop All NOV Actions:	False
Release Invest Rpt:	False
DEP App Letter 1:	False
Correct Action Plan:	False
DEP App Letter 2:	False
Rem Sys Install:	False
Rem Sys Install Date:	Not reported
Closure Date:	Not reported
Rem Sys Monitoring Rpt:	False
Qrtly Gwater Mon Rpts:	False
Closure Req Rpt:	False
DEP Closure Letter:	False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EAST BROADWAY PUMP STATION (Continued)**

**S111442071**

Referred To: Not reported  
No Wells: 0  
Lph Wells: 0  
User Stamp: Allison Forrest/ForrestA  
Date Stamp: 2012-09-18 00:00:00  
Correspondence: Not reported  
Environmental Impact: Not reported  
FollowUp: Not reported  
GW Comments: Nearest surface water body, the Great Creek, is ~1,000 ft to the east of site.  
Location Desc: Not reported  
NOV Comments: Not reported  
Release Desc: Not reported  
Running Comments: Spills Files, UST Enforcement Files and LUST Files  
Work Performed: Not reported

**SPILLS:**

Year of Database: 2011  
Case Number: 201108096  
Who Took Spill: 208  
Assigned To: 0  
Report Date: 12/19/2011  
Report Time: 10:10:04  
Date Release: 12/19/2011  
Time Responded: Not reported  
Reported By: julie williams  
Phone: 860 2635843  
Representing: A E COM  
Terminated: YES  
Recovd (Total): 0  
Total (Water): 0  
Facility Status: CLOSED  
Continuous Spill: False  
Released Substance: #2 FUEL OIL  
Qty: 0 (Gallons)  
Emergency Measure: 2000 gal ust. No free product or ground water.  
Water Body: Not reported  
Discharger: city of milford  
Telephone: Not reported  
Responsible Party: Not reported  
RP Address 1: Not reported  
RP City,St,Zip: CT  
Historic: False  
Waterbody: False  
Time Stamp: 2011-12-19 19:00:51  
Sr Inspector: Monarca, Vincent  
At Inspctor: \*\*NO RESPONSE  
User Stamp: cguzman  
Comments: Not reported  
Action: None Required  
Other Action: Not reported  
Agency ID: DEP Dispatch  
Other Agency: Not reported  
DEP Bureau: Not reported  
DEP Agency: Not reported  
Cause ID: Inground Tank Failure  
Other Cause: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EAST BROADWAY PUMP STATION (Continued)**

**S111442071**

Media ID: Ground Surface  
Other Media: Not reported  
Class ID: Governmental  
Other Class: Not reported  
Release Type: petroleum  
Other Release: Not reported

**3**  
**WNW**  
**1/8-1/4**  
**0.144 mi.**  
**762 ft.**

**SILVER SANDS LANDFILL**  
**165 SAMUEL A. SMITH LANE**  
**MILFORD, CT 06460**

**SHWS S104254334**  
**SDADB N/A**  
**CPCS**

**Relative:**  
**Higher**

SHWS:

State ID: 244  
PTP Id Number: Not reported  
WPC Number: Not reported  
EPA ID: CTD983867441  
PO Office: Not reported  
Lat/Long: /  
Location Method: Not reported  
Groundwater Class: Not reported  
Surface Water Qualification: Not reported  
Waste Category: INDUSTRIAL  
Disposal Method: LANDFILL  
Sample: False  
Other Dept of Env. Protection: SWMU  
Updated By: Not reported  
Update Program: Not reported  
Date Updated: Not reported  
Duplicate: False  
Program: SUPERFUND  
Inventory Date: 7/6/1987  
On Inventory: True  
Assessed: True  
87 Group: EN  
87 Origin: INVENTORY  
On 87: True  
Comments: \* MOH SLUDGE. LANDFILL CLOSED IN 1982. STATE OWNED WETLAND AREA.  
STREET ADDRESS: AKA EAST BROADWAY

**Actual:**  
**11 ft.**

Site Discovery and Assessment:

Facility ID: 244  
Rem Master ID: 613  
PTP Id: Not reported  
WPC Number: Not reported  
Postal District: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Lat/Long Determined By: Not reported  
Ground Water Quality Classification: Not reported  
Surface Water Quality Classification: Not reported  
Waste Type: INDUSTRIAL  
Disposal: LANDFILL  
Sample Data Available: False  
Updated By: Not reported  
Update Program: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SILVER SANDS LANDFILL (Continued)**

**S104254334**

Updated:	Not reported
Date Created:	Not reported
Duplicate:	False
EPA CERCLIS Id:	Not reported
Number EPA RCRIS Id:	Not reported
Site on EPA's CERCLIS:	True
Site Archived from CERCLIS:	False
Archive Date:	Not reported
EPA's Removal at Site:	False
Deferred to another EPA Program:	False
EPA Env Priority Initiative Site:	False
Federal Facility:	False
Site on EPA's National Priority List:	False
Part of an NPL site:	False
RCRA Generator Status:	Not reported
RCRA Permit Status:	Not reported
Referral Id:	239
Source of referral:	SUPERFUND
Date Received:	7/6/1987
Staff Assigned:	DEP
Remediation Program:	SUPERFUND
Date dt_assigned:	7/6/1987
Remediation Complete Approved DEP/Verified by LEP:	7/6/1987
Outcome:	INVENTORY
Remedial Id:	Not reported
PTP Id:	Not reported
Remediation Program:	Not reported
Remediation Program Entered:	Not reported
Staff Assigned:	Not reported
Remediation Program:	Not reported
Date dt_assign:	Not reported
Project Phase:	Not reported
Order issued:	Not reported
Order Number:	Not reported
Date order issued:	Not reported
Remedial Investigation Start:	Not reported
Remedial Investigation Completed:	Not reported
Remedial Design Start:	Not reported
Remedial Design complet:	Not reported
Remedial Action Start:	Not reported
Remedial Action Completed:	Not reported
Date Oper/ maintenance Started:	Not reported
GW monitoring:	Not reported
Remediation complete Approved DEP/Verified by LEP:	Not reported
Order Id:	Not reported
Order Number:	Not reported
Date order issued:	Not reported
Staff Assigned:	Not reported
Type of Order:	Not reported
Order Respondent:	Not reported
Admin Appeal Date:	Not reported
Date of Admin Appeal Ruling:	Not reported
Date of Admin Appeal Ruling:	Not reported
Date of Final Order:	Not reported
Date of Court Appeal:	Not reported
Date of Court Ruling:	Not reported
Date of Court Ruling:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SILVER SANDS LANDFILL (Continued)**

**S104254334**

Date Order Modified: Not reported  
Date Referred to AG: Not reported  
Judgement: Not reported  
Date of AGR judgement: Not reported  
Penalty assessed: Not reported  
Order Complete: Not reported  
In compliance: Not reported  
Comments: Not reported

**CPCS:**

Site Type: Sites  
Lust Status: Not reported  
PTP Form: Not reported  
Program: -1  
Comments: \* Moh Sludge.Landfill Closed In 1982. State Owned Wetland Area.Street  
Address: Aka East Broadway  
Site Type Definition: Inventory of Hazardous Waste Disposal Sites

**4**  
**West**  
**1/8-1/4**  
**0.240 mi.**  
**1266 ft.**

**SILVER SANDS STATE PARK**  
**SAMUEL SMITH LANE**  
**MILFORD, CT**

**UST U003160137**  
**N/A**

**Relative:**  
**Higher**

**UST:**  
Facility Id: 84-11242  
Latitude: Not reported  
Longitude: Not reported  
Owner: CT.D.E.P. (SUPPORT SERVICES)  
Owner Address: 79 ELM ST  
Owner Address 2: Not reported  
Owner City,St,Zip: HARTFORD, CT 061061650

**Actual:**  
**27 ft.**

Tank ID: 11242-1  
Compartment ID: 11242-1  
Compartment Num: 1  
Alt. Tank ID: A  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 1000  
Substance: Heating Oil  
Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-2  
Compartment ID: 11242-2  
Compartment Num: 1  
Alt. Tank ID: B1  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SILVER SANDS STATE PARK (Continued)**

**U003160137**

Secondary Material: Not reported  
Capacity: 1000  
Substance: Gasoline  
Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-3  
Compartment ID: 11242-3  
Compartment Num: 1  
Alt. Tank ID: B2  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 1000  
Substance: Gasoline  
Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-4  
Compartment ID: 11242-4  
Compartment Num: 1  
Alt. Tank ID: C  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 1000  
Substance: Heating Oil  
Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-5  
Compartment ID: 11242-5  
Compartment Num: 1  
Alt. Tank ID: D  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 4000  
Substance: Diesel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SILVER SANDS STATE PARK (Continued)**

**U003160137**

Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-6  
Compartment ID: 11242-6  
Compartment Num: 1  
Alt. Tank ID: E  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 4000  
Substance: Gasoline  
Date Installed: 01/01/1950  
Date Last Used: 09/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

Tank ID: 11242-7  
Compartment ID: 11242-7  
Compartment Num: 1  
Alt. Tank ID: F  
**Tank Status: Permanently Closed**  
Tank Material: Asphalt Coated or Bare Steel  
Secondary Material: Not reported  
Capacity: 275  
Substance: Gasoline  
Date Installed: 01/01/1950  
Date Last Used: 12/01/1993  
**Closure Status: Tank was Removed From Ground**  
Pipe Material: Bare or Galvanized Steel  
Pipe Mode Description: Not reported  
Spill Installed: Not reported  
Overfill Installed: Not reported

5  
NW  
1/4-1/2  
0.297 mi.  
1566 ft.

**MR. DUPHINEE**  
**414 WEST MAYFLOWER ROAD**  
**MILFORD, CT 06460**

**LUST S105440818**  
**SPILLS N/A**  
**CPCS**

**Relative:**  
**Lower**

**LUST:**  
LUST Id: 6155  
UST Facility Id: Not reported  
LUST Case Id: 34280  
Lust Status: Lust Completed  
Processing Status: Not reported  
EPA Reportable: False  
Motor Fuel: False

**Actual:**  
**5 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MR. DUPHINEE (Continued)**

**S105440818**

Diesel: False  
Gasoline: False  
Other: False  
Other Release: Not reported  
No Release: False  
Leak: False  
Tank: False  
Piping: False  
Overfill: False  
Removal: False  
Incident Date: 1998-06-29 00:00:00  
Entry Date: Not reported  
Site Case Id: 9804132  
UST Site Id: Not reported  
Cost Recovery Spill Case #: Not reported  
Old SITS Number: Not reported  
Case Log Id: Not reported  
Monthly Report Id: 0  
UST Owner Id: Not reported  
LUST Owner Id: Not reported  
UST Event Id: 6270  
Contact Info: Not reported  
Contact EMail: Not reported  
Site Contact City,St,Zip: UNKNOWN  
2nd Contact: Not reported  
2nd Contact EMail: Not reported  
2nd Contact Address: Not reported  
2nd Contact City,St,Zip: UNKNOWN  
2nd Contact Address 2: Not reported  
2nd Contact City 2: Not reported  
2nd Contact Phone Number: Not reported  
2nd Contact Fax Number: Not reported  
2nd Contact Type: Not reported  
Facility City Num: 84  
Site Contact: Not reported  
Site Contact Address: Not reported  
Site Contact Add 2: Not reported  
Site Contact City 2: Not reported  
Site Contact Phone: Not reported  
Site Contact Fax: Not reported  
Site Contact Type: Not reported  
Department Contact 1: Not reported  
Department Contact 2: Not reported  
Referral Source: Not reported  
Offsite Source: False  
Date Referred: Not reported  
Emergency: False  
Private Heating Fuel: True  
Commercial Heating Fuel: False  
Commercial HF < 2100 Gal.: False  
Commercial HF > 2100 Gal.: False  
Commercial HF - Size Unk: False  
No LUST Site: False  
Cost Recvry Prgm Candidate: False  
OCSR Complete: True  
Follow Up Flag: False  
Alternate Water Supply: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MR. DUPHINEE (Continued)**

**S105440818**

Relocation:	False
Responsible Party:	False
Responsible EMail:	Not reported
Resp Party Name:	Not reported
Resp Party Address:	Not reported
Resp Party City,St,Zip:	Not reported
Resp Party Town Number:	UNKNOWN
Resp Party Phone:	Not reported
Resp Party Fax:	Not reported
Resp Party Name 2:	Not reported
Resp Party Address 2:	Not reported
Resp Party Phone 2:	Not reported
Investigator Id:	35
Follow Update:	Not reported
Area Lextent:	Not reported
Annual Precipitation:	Not reported
Affected Population:	Not reported
Population Setting:	Not reported
Ground Water Direction:	Not reported
Ground Water Gradient:	Not reported
Hydro Basin:	Not reported
Drastic:	Not reported
Geo Setting:	Not reported
Ground Water Classification:	Not reported
Receptor:	Not reported
Ground Water Flow Direction:	Not reported
Ground Water Depth:	Not reported
Areas Of Concern:	Not reported
Free Product Inches:	Not reported
Fund Date:	Not reported
Fund Planned:	No
Fund Obligated:	No
Fund Outlayed:	No
Fund Judgment:	No
Fund Recovered:	No
Cellar Borings:	False
Install Micro Wells:	False
Ground Water Sample:	False
Soil Sample:	False
Soil Gas:	False
Site Inspect:	False
Soil Excavate:	False
Geo Probe:	False
Survey:	False
Potable Well Sample:	False
Sample MWS:	False
Ground Water Gauging:	False
Soil Venting:	False
Active:	False
NOV Action:	None
NOV Issued:	Not reported
NOV Due:	Not reported
NOV Received:	Not reported
NOV Closed:	Not reported
NOV Disc Date:	Not reported
NOV Issued Date:	Not reported
NOV Compliance Sched:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MR. DUPHINEE (Continued)**

**S105440818**

NOV Admin Order: Not reported  
NOV Referred To Ag: Not reported  
Stop All NOV Actions: False  
Release Invest Rpt: False  
DEP App Letter 1: False  
Correct Action Plan: False  
DEP App Letter 2: False  
Rem Sys Install: False  
Rem Sys Install Date: Not reported  
Closure Date: Not reported  
Rem Sys Monitoring Rpt: False  
Qrtly Gwater Mon Rpts: False  
Closure Req Rpt: False  
DEP Closure Letter: False  
Referred To: Not reported  
No Wells: Not reported  
Lph Wells: Not reported  
User Stamp: Not reported  
Date Stamp: Not reported  
Correspondence: Not reported  
Environmental Impact: Not reported  
FollowUp: Not reported  
GW Comments: Not reported  
Location Desc: Not reported  
NOV Comments: Not reported  
Release Desc: Not reported  
Running Comments: #2 Fuel Oil, , Contained and removed  
Work Performed: Not reported

**SPILLS:**

Year of Database: 1998  
Case Number: 9804132  
Who Took Spill: 924  
Assigned To: 0  
Report Date: 06/29/1998  
Report Time: 09:04:28  
Date Release: 06/29/1998  
Time Responded: Not reported  
Reported By: mike sabia  
Phone: 203 3778900  
Representing: sabia construction  
Terminated: YES  
Recovd (Total): 20  
Total (Water): 0  
Facility Status: Closed  
Continuous Spill: False  
Released Substance: #2 Fuel Oil  
Qty: 0 (Gallons)  
Emergency Measure: Contained and removed  
Water Body: None reported  
Discharger: mr. duphinee  
Telephone: 203 8745015  
Responsible Party: YES  
RP Address 1: saa  
RP City,St,Zip: MILFORD, CT 06460  
Historic: False  
Waterbody: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MR. DUPHINEE (Continued)**

**S105440818**

Time Stamp: 1998-06-30 11:34:20  
Sr Inspector: Gothberg, Erik  
At Inspctor: \*\*NO RESPONSE  
User Stamp: Not reported  
Comments: Not reported  
Action: Removed  
Other Action: Not reported  
Action: Cleaned  
Other Action: Not reported  
Action: Removed Tank  
Other Action: Not reported  
Action: Soil Removed  
Other Action: Not reported  
Agency ID: DEP  
Other Agency: Not reported  
DEP Bureau: BUREAU OF WASTE MANAGEMENT  
DEP Agency: OIL AND CHEMICAL SPILL RESPONSE  
Cause ID: Inground Tank Failure  
Other Cause: Not reported  
Media ID: Ground Surface  
Other Media: Not reported  
Release Type: petroleum  
Other Release: Not reported

**CPCS:**

Site Type: LUST  
Lust Status: LUST Completed (DEP's significant hazard definition)  
PTP Form: Not reported  
Program: Not reported  
Comments: #2 Fuel Oil, , Contained And Removed  
Site Type Definition: Leaking Underground Storage Tanks Completed

**6  
NW  
1/4-1/2  
0.382 mi.  
2017 ft.**

**AL DUBOIS  
40 CARLSON DR.  
MILFORD, CT 06460**

**LUST S105443920  
SPILLS N/A  
CPCS**

**Relative:  
Higher**

**LUST:**

**Actual:  
27 ft.**

LUST Id: 8016  
UST Facility Id: Not reported  
LUST Case Id: 36067  
Lust Status: Lust Completed  
Processing Status: Not reported  
EPA Reportable: False  
Motor Fuel: False  
Diesel: False  
Gasoline: False  
Other: False  
Other Release: Not reported  
No Release: False  
Leak: False  
Tank: False  
Piping: False  
Overfill: False  
Removal: False  
Incident Date: 1999-04-26 00:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL DUBOIS (Continued)**

**S105443920**

Entry Date: Not reported  
Site Case Id: 9902658  
UST Site Id: Not reported  
Cost Recovery Spill Case #: Not reported  
Old SITS Number: Not reported  
Case Log Id: Not reported  
Monthly Report Id: 0  
UST Owner Id: Not reported  
LUST Owner Id: Not reported  
UST Event Id: 8197  
Contact Info: Not reported  
Contact EMail: Not reported  
Site Contact City,St,Zip: UNKNOWN  
2nd Contact: Not reported  
2nd Contact EMail: Not reported  
2nd Contact Address: Not reported  
2nd Contact City,St,Zip: UNKNOWN  
2nd Contact Address 2: Not reported  
2nd Contact City 2: Not reported  
2nd Contact Phone Number: Not reported  
2nd Contact Fax Number: Not reported  
2nd Contact Type: Not reported  
Facility City Num: 84  
Site Contact: Not reported  
Site Contact Address: Not reported  
Site Contact Add 2: Not reported  
Site Contact City 2: Not reported  
Site Contact Phone: Not reported  
Site Contact Fax: Not reported  
Site Contact Type: Not reported  
Department Contact 1: Not reported  
Department Contact 2: Not reported  
Referral Source: Not reported  
Offsite Source: False  
Date Referred: Not reported  
Emergency: False  
Private Heating Fuel: True  
Commercial Heating Fuel: False  
Commercial HF < 2100 Gal.: False  
Commercial HF > 2100 Gal.: False  
Commercial HF - Size Unk: False  
No LUST Site: False  
Cost Recvry Prgm Candidate: False  
OCSR Complete: True  
Follow Up Flag: False  
Alternate Water Supply: False  
Relocation: False  
Responsible Party: False  
Responsible EMail: Not reported  
Resp Party Name: Not reported  
Resp Party Address: Not reported  
Resp Party City,St,Zip: Not reported  
Resp Party Town Number: UNKNOWN  
Resp Party Phone: Not reported  
Resp Party Fax: Not reported  
Resp Party Name 2: Not reported  
Resp Party Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL DUBOIS (Continued)**

**S105443920**

Resp Party Phone 2:	Not reported
Investigator Id:	35
Follow Update:	Not reported
Area Lextent:	Not reported
Annual Precipitation:	Not reported
Affected Population:	Not reported
Population Setting:	Not reported
Ground Water Direction:	Not reported
Ground Water Gradient:	Not reported
Hydro Basin:	Not reported
Drastic:	Not reported
Geo Setting:	Not reported
Ground Water Classification:	Not reported
Receptor:	Not reported
Ground Water Flow Direction:	Not reported
Ground Water Depth:	Not reported
Areas Of Concern:	Not reported
Free Product Inches:	Not reported
Fund Date:	Not reported
Fund Planned:	No
Fund Obligated:	No
Fund Outlayed:	No
Fund Judgment:	No
Fund Recovered:	No
Cellar Borings:	False
Install Micro Wells:	False
Ground Water Sample:	False
Soil Sample:	False
Soil Gas:	False
Site Inspect:	False
Soil Excavate:	False
Geo Probe:	False
Survey:	False
Potable Well Sample:	False
Sample MWS:	False
Ground Water Gauging:	False
Soil Venting:	False
Active:	False
NOV Action:	None
NOV Issued:	Not reported
NOV Due:	Not reported
NOV Received:	Not reported
NOV Closed:	Not reported
NOV Disc Date:	Not reported
NOV Issued Date:	Not reported
NOV Compliance Sched:	Not reported
NOV Admin Order:	Not reported
NOV Referred To Ag:	Not reported
Stop All NOV Actions:	False
Release Invest Rpt:	False
DEP App Letter 1:	False
Correct Action Plan:	False
DEP App Letter 2:	False
Rem Sys Install:	False
Rem Sys Install Date:	Not reported
Closure Date:	Not reported
Rem Sys Monitoring Rpt:	False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AL DUBOIS (Continued)**

**S105443920**

Qrtly Gwater Mon Rpts: False  
Closure Req Rpt: False  
DEP Closure Letter: False  
Referred To: Not reported  
No Wells: Not reported  
Lph Wells: Not reported  
User Stamp: Not reported  
Date Stamp: Not reported  
Correspondence: Not reported  
Environmental Impact: Not reported  
FollowUp: Not reported  
GW Comments: Not reported  
Location Desc: Not reported  
NOV Comments: Not reported  
Release Desc: Not reported  
Running Comments: 550, Heating Oil, PRIVATE, 550 UST LEAKER  
Work Performed: Not reported

**SPILLS:**

Year of Database: 1999  
Case Number: 9902658  
Who Took Spill: 931  
Assigned To: 0  
Report Date: 04/26/1999  
Report Time: 16:48:30  
Date Release: 04/26/1999  
Time Responded: 09:00:00  
Reported By: TIM FARRELLY  
Phone: 800 3942268  
Representing: ENVIROSHIELD  
Terminated: YES  
Recovd (Total): 0  
Total (Water): 0  
Facility Status: Closed  
Continuous Spill: False  
Released Substance: #2 FUEL OIL  
Qty: 0 (Gallons)  
Emergency Measure: 550 UST LEAKER  
Water Body: NA  
Discharger: AL DuBOIS  
Telephone: 203 8745059  
Responsible Party: YES  
RP Address 1: SAME  
RP City,St,Zip: CT  
Historic: False  
Waterbody: False  
Time Stamp: 1999-04-26 16:55:29  
Sr Inspector: Coss, Brian  
At Inspctor: \*\*NO RESPONSE  
User Stamp: Not reported  
Comments: Not reported  
Action: Removed Tank  
Other Action: Not reported  
Cause ID: Inground Tank Failure  
Other Cause: Not reported  
Media ID: Other  
Other Media: SOIL ONLY

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AL DUBOIS (Continued)**

**S105443920**

Class ID: Private  
 Other Class: Not reported  
 Release Type: petroleum  
 Other Release: Not reported

**CPCS:**

Site Type: LUST  
 LUST Status: LUST Completed (DEP's significant hazard definition)  
 PTP Form: Not reported  
 Program: Not reported  
 Comments: 550, Heating Oil, Private, 550 Ust Leaker  
 Site Type Definition: Leaking Underground Storage Tanks Completed

**7  
 NW  
 1/2-1  
 0.814 mi.  
 4300 ft.**

**MRMC, INC.  
 857 BRIDGEPORT AVENUE  
 MILFORD, CT 06460**

**SHWS S104188098  
 SDADB N/A  
 CPCS**

**Relative:  
 Higher**

**SHWS:**

**Actual:  
 55 ft.**

State ID: 240  
 PTP Id Number: Not reported  
 WPC Number: 084-011  
 EPA ID: CTD001179720  
 PO Office: Not reported  
 Lat/Long: 41.3333/-73.15  
 Location Method: UNK  
 Groundwater Class: Not reported  
 Surface Water Qualification: Not reported  
 Waste Category: ACID/BASE, MOH SLUDGE, CYANIDE  
 Disposal Method: SEPTIC, TO GROUND  
 Sample: False  
 Other Dept of Env. Protection: RCRA  
 Updated By: FRIGON, R. L .  
 Update Program: PTP  
 Date Updated: 8/23/1999  
 Duplicate: False  
 Program: SUPERFUND  
 Inventory Date: 7/6/1987  
 On Inventory: True  
 Assessed: True  
 87 Group: EN  
 87 Origin: INVENTORY  
 On 87: True  
 Comments: COMPANY DISCHARGE TO GROUND/SEPTIC SYSTEM ELIMINATED. IN OPERATION SINCE 1929. EFFLUENT TO SEWER UNDER STATE PERMIT.(7/87) ORDERS: HM-779 ISSUED 8/12/94 COMPLETE. SRD-0009 CO ISSUED 4/26/91. FORM III FILED 4/95 AND 1990(?). FORM III AND ECAF REC'D 2/5/96.(9/96) REPEAT FILING FORM III AND ECAF 6/28/99 DEFERRED TO LEP. (8/99) 853-867 BRIDGEPORT AVENUE

**Site Discovery and Assessment:**

Facility ID: 240  
 Rem Master ID: 340  
 PTP Id: Not reported  
 WPC Number: 084-011  
 Postal District: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MRMC, INC. (Continued)**

**S104188098**

Latitude: 41.3333  
Longitude: -73.15  
Lat/Long Determined By: UNK  
Ground Water Quality Classification: Not reported  
Surface Water Quality Classification: Not reported  
Waste Type: ACID/BASE, MOH SLUDGE, CYANIDE  
Disposal: SEPTIC, TO GROUND  
Sample Data Available: False  
Updated By: FRIGON, R. L .  
Update Program: PTP  
Updated: 8/23/1999  
Date Created: Not reported  
Duplicate: False  
EPA CERCLIS Id: Not reported  
Number EPA RCRIS Id: Not reported  
Site on EPA's CERCLIS: True  
Site Archived from CERCLIS: False  
Archive Date: Not reported  
EPA's Removal at Site: False  
Deferred to another EPA Program: False  
EPA Env Priority Initiative Site: False  
Federal Facility: False  
Site on EPA's National Priority List: False  
Part of an NPL site: False  
RCRA Generator Status: LQG  
RCRA Permit Status: Not reported  
Referral Id: 235  
Source of referral: SUPERFUND  
Date Received: 7/6/1987  
Staff Assigned: DEP  
Remediation Program: SUPERFUND  
Date dt\_assigned: 7/6/1987  
Remediation Complete Approved DEP/Verified by LEP: 7/6/1987  
Outcome: INVENTORY  
Remedial Id: 674  
PTP Id: 0  
Remediation Program: SRP  
Remediation Program Entered: 4/26/1991  
Staff Assigned: O'CONNOR, T.  
Remediation Program: SRP  
Date dt\_assign: Not reported  
Project Phase: Not reported  
Order issued: True  
Order Number: SRD-0009  
Date order issued: 4/26/1991  
Remedial Investigation Start: Not reported  
Remedial Investigation Completed: Not reported  
Remedial Design Start: Not reported  
Remedial Design complet: Not reported  
Remedial Action Start: Not reported  
Remedial Action Completed: Not reported  
Date Oper/ maintenance Started: Not reported  
GW monitoring: False  
Remediation complete Approved DEP/Verified by LEP: Not reported  
Order Id: 9  
Order Number: SRD-0009  
Date order issued: 4/26/1991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MRMC, INC. (Continued)**

**S104188098**

Staff Assigned: O'CONNOR, T.  
Type of Order: CO  
Order Respondent: MRMC  
Admin Appeal Date: Not reported  
Date of Admin Appeal Ruling: Not reported  
Date of Admin Appeal Ruling: Not reported  
Date of Final Order: 4/26/1991  
Date of Court Appeal: Not reported  
Date of Court Ruling: Not reported  
Date of Court Ruling: Not reported  
Date Order Modified: Not reported  
Date Referred to AG: Not reported  
Judgement: Not reported  
Date of AGR judgement: Not reported  
Penalty assessed: 0  
Order Complete: Not reported  
In compliance: False  
Comments: RESPONDENT IS TRYING TO COMPLY.

**SDADB:**

Waste Id: 3  
Waste Type: ACID/BASE  
Description: Not reported

**CPCS:**

Site Type: Sites  
Lust Status: Not reported  
PTP Form: Not reported  
Program: -1  
Comments: Company Discharge To Ground/septic System Eliminated. In Operation Since 1929. Effluent To Sewer Under State Permit.(7/87)Orders: Hm-779 Issued 8/12/94 Complete. Srd-0009 Co Issued 4/26/91. Form Iii Filed 4/95 And 1990(?). Form Iii And Ecaf Rec'd 2/5/9

Site Type Definition: Inventory of Hazardous Waste Disposal Sites

Site Type: Projects  
Lust Status: Not reported  
PTP Form: III  
Program: Property Transfer Program  
Comments: Projects  
Site Type Definition: Property Transfer Form III

Site Type: Projects  
Lust Status: Not reported  
PTP Form: III  
Program: Property Transfer Program  
Comments: Projects  
Site Type Definition: Property Transfer Form III

Site Type: Projects  
Lust Status: Not reported  
PTP Form: III  
Program: Property Transfer Program  
Comments: Projects  
Site Type Definition: Property Transfer Form III

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MILFORD	1002863206	SILVER SANDS LANDFILL	EAST BROADWAY STREET	06460	CERC-NFRAP
MILFORD	1014879895	MAPLEWOOD AVE. & EAST BROADWAY	MAPLEWOOD AVE. & EAST BROADWAY		FINDS
MILFORD	S108723205		SILVER SANDS STATE PARK	06461	SWF/LF

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/07/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (888) 372-7341  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (888) 372-7341  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (888) 372-7341  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (888) 372-7341  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014	Source: Department of the Navy
Date Data Arrived at EDR: 10/09/2014	Telephone: 843-820-7326
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### SHWS: Inventory of Hazardous Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/23/2010	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 04/23/2010	Telephone: 860-424-3705
Date Made Active in Reports: 05/25/2010	Last EDR Contact: 10/03/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SDADB: Site Discovery and Assessment Database

All sites reported to Permitting, Enforcement, and Remediation Division where it is suspected that hazardous waste may have been disposed or sites that are eligible for listing on the State Inventory of Hazardous Waste Disposal Sites.

Date of Government Version: 04/23/2010	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 04/23/2010	Telephone: 860-424-3705
Date Made Active in Reports: 05/25/2010	Last EDR Contact: 10/03/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: No Update Planned

## **State and tribal landfill and/or solid waste disposal site lists**

### SWF/LF: List of Landfills/Transfer Stations

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/14/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/30/2013	Telephone: 860-424-3366
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 10/31/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Annually

## **State and tribal leaking storage tank lists**

### LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/09/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 09/19/2014	Telephone: 860-424-3376
Date Made Active in Reports: 09/30/2014	Last EDR Contact: 07/07/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/20/2014
	Data Release Frequency: Semi-Annually

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014	Source: EPA Region 7
Date Data Arrived at EDR: 08/22/2014	Telephone: 913-551-7003
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/13/2014	Source: EPA Region 8
Date Data Arrived at EDR: 08/15/2014	Telephone: 303-312-6271
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/04/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-7439
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/14/2014	Source: EPA Region 6
Date Data Arrived at EDR: 05/15/2014	Telephone: 214-665-6597
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-8677
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Semi-Annually

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/31/2014
Number of Days to Update: 184	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

### **State and tribal registered storage tank lists**

#### UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/03/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 06/04/2014	Telephone: 860-424-3376
Date Made Active in Reports: 07/02/2014	Last EDR Contact: 09/02/2014
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: Semi-Annually

#### AST: Marine Terminals and Tank Information

A listing of bulk petroleum facilities that receive petroleum by a vessel.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2014  
Date Data Arrived at EDR: 07/07/2014  
Date Made Active in Reports: 07/08/2014  
Number of Days to Update: 1

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3233  
Last EDR Contact: 10/03/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 01/27/2014  
Number of Days to Update: 271

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 10/31/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014  
Date Data Arrived at EDR: 06/10/2014  
Date Made Active in Reports: 08/15/2014  
Number of Days to Update: 66

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014  
Date Data Arrived at EDR: 08/15/2014  
Date Made Active in Reports: 08/22/2014  
Number of Days to Update: 7

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/13/2014  
Date Data Arrived at EDR: 08/15/2014  
Date Made Active in Reports: 08/22/2014  
Number of Days to Update: 7

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Quarterly

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014  
Date Data Arrived at EDR: 08/22/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 27

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/06/2014  
Date Data Arrived at EDR: 10/29/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 8

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/04/2014  
Date Data Arrived at EDR: 08/05/2014  
Date Made Active in Reports: 08/22/2014  
Number of Days to Update: 17

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014  
Date Data Arrived at EDR: 08/12/2014  
Date Made Active in Reports: 08/22/2014  
Number of Days to Update: 10

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Semi-Annually

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 10/10/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Engineering Controls Listing

An Engineered Control is a permanent physical structure designed to safely isolate pollutants which would otherwise not comply with the self-implementing remedial options allowed in the Connecticut Remediation Standard Regulations (RSRs). The ECGD includes a description of what is eligible to be considered as an Engineered Control under section 22a-133k-2(f)(2) of the RSRs, a description of the information necessary for the preparation of complete and approvable applications, a step-by-step outline of the review and approval process, and supplemental resources provided in the appendices.

Date of Government Version: 03/05/2013  
Date Data Arrived at EDR: 05/07/2013  
Date Made Active in Reports: 06/19/2013  
Number of Days to Update: 43

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3000  
Last EDR Contact: 11/07/2014  
Next Scheduled EDR Contact: 02/16/2015  
Data Release Frequency: Varies

### AUL: ELUR Sites

Environmental Land Use Restriction sites.

Date of Government Version: 10/03/2014  
Date Data Arrived at EDR: 10/03/2014  
Date Made Active in Reports: 10/17/2014  
Number of Days to Update: 14

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3912  
Last EDR Contact: 11/06/2014  
Next Scheduled EDR Contact: 02/23/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal voluntary cleanup sites***

### VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 10/03/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/03/2014	Telephone: 860-424-3705
Date Made Active in Reports: 10/17/2014	Last EDR Contact: 11/06/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/23/2015
	Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 10/01/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

### BROWNFIELDS 2: Brownfields Inventory

A brownfield site is generally defined as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant or contaminant?"

Date of Government Version: 11/30/2004	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 06/26/2009	Telephone: 860-424-3705
Date Made Active in Reports: 07/09/2009	Last EDR Contact: 09/26/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Varies

### BROWNFIELDS: Brownfields Inventory

CBRA has identified over 200 brownfield sites eligible for redevelopment. In most cases these are prime properties for commercial or industrial use. CBRA's grants, assistance and financing lower the financial risks and eliminate the legal, regulatory and environmental risks of redevelopment.

Date of Government Version: 09/24/2014	Source: Connecticut Brownfields Redevelopment Authority
Date Data Arrived at EDR: 09/25/2014	Telephone: 860-258-7833
Date Made Active in Reports: 09/30/2014	Last EDR Contact: 09/22/2014
Number of Days to Update: 5	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Varies

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/22/2014  
Date Data Arrived at EDR: 09/23/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/23/2014  
Next Scheduled EDR Contact: 01/05/2015  
Data Release Frequency: Semi-Annually

## **Local Lists of Landfill / Solid Waste Disposal Sites**

### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/24/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: No Update Planned

### SWRCY: Recycling Facilities

A listing of recycling facilities.

Date of Government Version: 02/14/2014  
Date Data Arrived at EDR: 02/25/2014  
Date Made Active in Reports: 03/26/2014  
Number of Days to Update: 29

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3223  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

### INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/29/2014  
Next Scheduled EDR Contact: 02/16/2015  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014  
Date Data Arrived at EDR: 09/09/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 41

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 09/03/2014  
Next Scheduled EDR Contact: 12/15/2014  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations included in the Spills database.

Date of Government Version: 07/30/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/05/2014	Telephone: 860-424-3361
Date Made Active in Reports: 09/10/2014	Last EDR Contact: 10/06/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

## US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/09/2014	Telephone: 202-307-1000
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: No Update Planned

## Local Land Records

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

### LIENS: Environmental Liens Listing

A listing of environmental liens placed by the Cost Recovery Program.

Date of Government Version: 05/20/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/23/2014	Telephone: 860-424-3120
Date Made Active in Reports: 06/03/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Varies

### CT PROPERTY: Property Transfer Filings

A listing of sites that meet the definition of a hazardous waste establishment. They can be generators, dry cleaners, furniture strippers, etc. These sites have been sold to another owner.

Date of Government Version: 10/03/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/03/2014	Telephone: 860-424-3705
Date Made Active in Reports: 10/17/2014	Last EDR Contact: 11/06/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/23/2015
	Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2014  
Date Data Arrived at EDR: 10/01/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 36

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Annually

**SPILLS:** Oil & Chemical Spill Database  
Oil and Chemical Spill Data.

Date of Government Version: 07/30/2014  
Date Data Arrived at EDR: 08/05/2014  
Date Made Active in Reports: 09/10/2014  
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3024  
Last EDR Contact: 10/06/2014  
Next Scheduled EDR Contact: 01/19/2015  
Data Release Frequency: Semi-Annually

**SPILLS 90:** SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/15/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/11/2013  
Number of Days to Update: 39

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

**RCRA NonGen / NLR:** RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (888) 372-7341  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

**DOT OPS:** Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/04/2014  
Next Scheduled EDR Contact: 02/16/2015  
Data Release Frequency: Varies

**DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 11/07/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/10/2014	Telephone: 202-528-4285
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/24/2014	Telephone: Varies
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 09/09/2014
Number of Days to Update: 74	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 08/20/2014
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/05/2014	Telephone: 303-231-5959
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 09/04/2014
Number of Days to Update: 132	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/29/2014
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/26/2014
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/27/2014
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/29/2014	Telephone: 202-564-5088
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 10/10/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/15/2014
Number of Days to Update: 107	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 09/08/2014
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/08/2014	Telephone: 202-343-9775
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/16/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: EPA  
Telephone: (617) 918-1111  
Last EDR Contact: 09/10/2014  
Next Scheduled EDR Contact: 12/22/2014  
Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014  
Date Data Arrived at EDR: 08/12/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 86

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/19/2013  
Number of Days to Update: 52

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 08/29/2014  
Next Scheduled EDR Contact: 12/08/2014  
Data Release Frequency: Biennially

## LWDS: Connecticut Leachate and Wastewater Discharge Sites

The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

Date of Government Version: 07/17/2009  
Date Data Arrived at EDR: 10/21/2009  
Date Made Active in Reports: 10/30/2009  
Number of Days to Update: 9

Source: Department of Energy & Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/15/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 08/19/2014  
Next Scheduled EDR Contact: 12/01/2014  
Data Release Frequency: No Update Planned

## DRYCLEANERS: Drycleaner Facilities

A listing of drycleaner facility locations.

Date of Government Version: 07/18/2008  
Date Data Arrived at EDR: 08/08/2008  
Date Made Active in Reports: 08/27/2008  
Number of Days to Update: 19

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3026  
Last EDR Contact: 09/15/2014  
Next Scheduled EDR Contact: 12/29/2014  
Data Release Frequency: Varies

## ENFORCEMENT: Enforcement Case Listing

The types of enforcement actions included are administrative consent orders, final unilateral orders and final dispositions of civil cases through the Attorney General's Office.

Date of Government Version: 07/21/2014  
Date Data Arrived at EDR: 07/25/2014  
Date Made Active in Reports: 09/11/2014  
Number of Days to Update: 48

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3265  
Last EDR Contact: 10/20/2014  
Next Scheduled EDR Contact: 02/02/2015  
Data Release Frequency: Varies

## NPDES: Wastewater Permit Listing

A listing of permits issued by the DEP.

Date of Government Version: 10/15/2014  
Date Data Arrived at EDR: 10/16/2014  
Date Made Active in Reports: 10/17/2014  
Number of Days to Update: 1

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3832  
Last EDR Contact: 10/10/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

## AIRS: Permitted Air Sources Listing

A listing of permitted air sources in Connecticut.

Date of Government Version: 05/15/2012  
Date Data Arrived at EDR: 05/15/2012  
Date Made Active in Reports: 05/31/2012  
Number of Days to Update: 16

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3026  
Last EDR Contact: 10/27/2014  
Next Scheduled EDR Contact: 02/09/2015  
Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 11/07/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/20/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/02/2015
	Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

A listing containing RCRA financial assurance information submitted on behalf of the CT DEP's Program Analysis Group of the Waste Engineering and Enforcement Division.

Date of Government Version: 07/23/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 07/01/2014	Telephone: 860-418-5930
Date Made Active in Reports: 07/09/2014	Last EDR Contact: 09/22/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/04/2014	Telephone: 202-566-1917
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Quarterly

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/31/2014
Number of Days to Update: 83	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 07/23/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 06/26/2014	Telephone: 860-418-5930
Date Made Active in Reports: 07/21/2014	Last EDR Contact: 09/22/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Varies

## COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/17/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CPCS: Contaminated or Potentially Contaminated Sites

A list of Contaminated or Potentially Contaminated Sites within Connecticut. This list represents the "Hazardous Waste Facilities," as defined in Section 22a-134f of the Connecticut General Statutes (CGS). The list contains the following types of sites: Sites listed on the Inventory of Hazardous Waste Disposal Sites; Sites subject to the Property Transfer Act; Sites at which underground storage tanks are known to have leaked; Sites at which hazardous waste subject to the RCRA; Sites that are included in EPA's (CERCLIS); Sites that are the subject of an order issued by the Commissioner of DEP that requires investigation and remediation of a potential or known source of pollution; and Sites that have entered into one of the Department's Voluntary Remediation Programs.

Date of Government Version: 01/30/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 03/06/2014	Telephone: 860-424-3766
Date Made Active in Reports: 03/26/2014	Last EDR Contact: 11/07/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/23/2015
	Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/15/2014
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/24/2014
	Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 11/07/2014
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: N/A

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 3	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Quarterly

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/12/2014	Telephone: 703-603-8787
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 10/06/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Varies

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 08/15/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/24/2014
	Data Release Frequency: Varies

## SEH: List of Significant Environmental Hazards Report to DEEP

The Significant Environmental Hazard Statute is intended to identify and abate short-term risks associated with specific environmental conditions identified in the statute. After abatement of short-term risks (meaning abatement of the significant environmental hazard condition), there may still be potential long-term risks associated with the release. However, a significant environmental hazard can be considered abated under the statute even though potential long-term risks may not have been addressed.

Date of Government Version: 05/31/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 07/25/2014	Telephone: 860-424-3766
Date Made Active in Reports: 09/11/2014	Last EDR Contact: 10/17/2014
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/02/2015
	Data Release Frequency: Varies

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Energy & Environmental Protection formerly known as the DEP which changes in July 2011 in Connecticut.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/02/2014  
Number of Days to Update: 185

Source: Department of Energy & Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Energy & Environmental Protection formerly know as the DEP which changes in July 2011 in Connecticut.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/02/2014  
Number of Days to Update: 185

Source: Department of Energy & Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/10/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2014  
Date Data Arrived at EDR: 08/07/2014  
Date Made Active in Reports: 10/17/2014  
Number of Days to Update: 71

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/05/2014  
Next Scheduled EDR Contact: 02/16/2015  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/21/2014  
Date Made Active in Reports: 08/25/2014  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/20/2014  
Next Scheduled EDR Contact: 02/02/2015  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/15/2014  
Date Made Active in Reports: 08/13/2014  
Number of Days to Update: 29

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/26/2014  
Next Scheduled EDR Contact: 12/08/2014  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### VT MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 06/24/2014  
Date Data Arrived at EDR: 08/22/2014  
Date Made Active in Reports: 11/04/2014  
Number of Days to Update: 74

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 10/20/2014  
Next Scheduled EDR Contact: 02/02/2015  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 06/20/2014  
Date Made Active in Reports: 08/07/2014  
Number of Days to Update: 48

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/15/2014  
Next Scheduled EDR Contact: 12/29/2014  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

#### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

#### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

#### Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

#### Daycare Centers: Licensed Child Care Facilities

Source: Department of Public Health  
Telephone: 860-509-8045

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

#### State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection  
Telephone: 860-871-4047

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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Environmental Review Record and Statutory Checklist  
20 Cooper Avenue  
Milford, CT



## Appendix D

### Limited Hazardous Materials Inspection Report

# Limited Hazardous Materials Building Inspection Report

Storm Sandy Residential Rehabilitation Project  
20 Cooper Avenue  
Milford, Connecticut

Lothrop Associates, LLP  
White Plains, New York

January 2015



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



**FUSS & O'NEILL**  
EnviroScience, LLC

January 30, 2015

Mr. Arthur Seckler  
Senior Associate  
Lothrop Associates, LLP  
333 Westchester Avenue  
White Plains, NY 10604

RE: Limited Hazardous Materials Building Inspection  
Storm Sandy Residential Rehabilitation Project  
20 Cooper Avenue, Milford, Connecticut  
Fuss & O'Neill EnviroScience Project No.20140370.C8E  
Lothrop Associates Project No. 1524-27

Dear Mr. Seckler:

Enclosed is the report for the limited hazardous materials building inspection performed at 20 Cooper Avenue in Milford, Connecticut.

The inspection was performed on January 13, 2015, and January 16, 2015, by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included an asbestos inspection, testing for lead-based paint and lead in dust, an assessment for mold, polychlorinated biphenyl (PCB)-containing light ballasts, and mercury devices, and airborne radon gas sampling.

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 should 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.

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

[www.fando.com](http://www.fando.com)

Connecticut  
Massachusetts  
Rhode Island  
South Carolina

Sincerely,

Kevin J. McCarthy  
Project Manager

Timothy M. Downey  
Senior Project Manager



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Limited Hazardous Materials Building Inspection Report  
Lothrop Associates, LLP  
20 Cooper Avenue, Milford, Connecticut

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# 1 Introduction

On January 13, 2015, and January 15, 2015, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technicians, Mr. James Blum, Mr. Robert Hobbins, and Mr. Robert Eaton performed a limited hazardous materials building inspection of the residential structure located at 20 Cooper Avenue in Milford, Connecticut (the "Site"). Mr. Hobbins and Mr. Blum are both State of Connecticut-licensed Asbestos Consultant - Inspectors and Licensed Lead Inspectors. Mr. Blum is also a State of Connecticut-Licensed Lead Risk Assessor. The residential structure was not occupied at the time and date of the inspection and is scheduled for renovation. Refer to *Appendix A* for the EnviroScience inspector state licenses and accreditations. The scope of work was performed for Lothrop Associates, LLP (the "Client").

This inspection was performed in response to the planned raising of the Site building due to damage caused by Superstorm Sandy, as identified in the *Initial Property Inspection Report* dated June 16, 2014, provided by the Client. The limited inspection consisted of the following:

- A inspection for asbestos-containing materials (ACM) associated with the scheduled raising of the existing residential building to flood elevation, first floor fit-out, replacement of insulation, and repair of racking damage;
- Testing and risk assessment of painted surfaces coated with suspect 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;
- A mold assessment; and
- Airborne radon gas sampling.

# 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, 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 or 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 Consultants – Inspectors collected samples and prepared proper chain-of-custody forms for transmission of samples to a Connecticut-licensed analytical laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, and sample identification are identified by bulk sample analysis in *Table 1* of the “Results” section. Asbestos laboratory analytical reports and chain-of-custody forms are included in *Appendix B*.

## 2.2 Results

Utilizing the EPA sampling and analytical protocols, the following materials were identified as non-ACM:

Table 1  
Non-Asbestos-Containing Materials

Location	Material Type	Sample No.
1 <sup>st</sup> Floor	Gray Sheetrock & White/Tan Joint/Taping Compound	0113BH-01A-B, 02A-B, 03
1 <sup>st</sup> Floor	Brown./Black Paper Backing on Fiberglass Battling Insulation	0113BH-04A-B
1 <sup>st</sup> Floor	Black Paper Beneath Hardwood Flooring	0113BH-05A-C
1 <sup>st</sup> Floor	Gray/White Chimney Flue Cement	0113BH-06A-C
1 <sup>st</sup> Floor	Gray Chimney Concrete Block & Gray Grout	0113BH-07A-B, 08A-B
Throughout Exterior	Gray Concrete Block Foundation & Gray Grout	0113BH-09A-B, 10A-B
Throughout Exterior	Gray Skim Coat over Concrete Block Foundation	0113BH-11A-C
Crawl Space	Brown/Black Paper Backing on Fiberglass Batt Insulation	0113BH-12A-B

## 2.3 Discussion

The EPA defines 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 & Recommendations

The analytical results of the suspect ACM samples collected and analyzed indicate the suspect ACM observed during this inspection are non-ACM.

Note that since this asbestos inspection was limited, we recommend conducting a supplemental inspection of hidden and inaccessible areas (behind walls/beneath fixed floors, exterior foundation, etc.) prior to demolition/renovation activities. Any suspect material encountered during renovation/demolition activities that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample collection and analysis indicate otherwise.

## 3 Lead-Based Paint Testing

EnviroScience conducted a comprehensive testing for surfaces coated with LBP within the Site structure. On January 13, 2015, EnviroScience representatives, Mr. Blum and Mr. Hobbins, performed the testing. The purpose of the testing was for compliance with EPA's Renovation, Repair, and Painting Rule (RRP) (Title 40 CFR, Parts 745.80 through 92) and the US Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (Title 24 CFR, Part 35, Subparts B-R).

---

### 3.1 XRF Sampling 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" (refer to *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 two-story residential building foundation was constructed with masonry stone. Window and door systems are composed of wood and metal. Interior walls and ceilings are constructed with sheetrock. The Site structure was unoccupied at the time of the inspection.

---

### 3.2 Lead in Dust Sampling Methodology

As part of the lead inspection dust wipe samples were collected in accordance with the protocols outlined in *Appendix C*. Dust wipe samples were collected from representative floors and window sills at the Site structure. Samples were submitted for analysis by Atomic Absorption Spectrometry (AAS) at EMSL Analytical, Inc. in Cinnaminson, New Jersey. As required by HUD and CTDPH, quality control field blank samples were included in the analysis.

The following wipe standards for lead in dust have been established by CTDPH:

Floors	40 micrograms per square foot ( $\mu\text{g}/\text{ft}^2$ )
Window sills	250 $\mu\text{g}/\text{ft}^2$

---

### 3.3 XRF Results

The coated building component testing indicated consistent painting trends throughout the building interior and exterior. The following painted building components were determined to contain toxic levels of lead (equal to or greater than 1.0 milligrams of lead per square centimeter [ $\text{mg}/\text{cm}^2$ ] of paint):

Table 2  
Lead-Painted Building Components

Building Component	Location	Reading (mg/cm <sup>2</sup> )	Defective?
White Wood 4" x 4" Post	1st Floor Bathroom	2.5	No
White Wood Wall – Old Siding		4.8	No
White Wood Wall	Back Porch	4.5	No
White Wood Door Casing		3.0	No

The lead testing field data sheets and diagrams are provided as *Appendix D* of this report.

### 3.4 Lead in Dust Results

Representative dust wipe samples were collected inside the Site structure to evaluate whether a lead dust hazard existed. The sample numbers, locations, and results are as follows:

Table 3  
Lead Dust Wipe Sample Results

Sample No.	Location	Results
0113JB-01	2 <sup>nd</sup> Floor Bedroom - Floor	<10 µg/ft <sup>2</sup>
0113JB-02	2 <sup>nd</sup> Floor Bedroom - Window Sill	<40 µg/ft <sup>2</sup>
0113JB-03	1 <sup>st</sup> Floor Bathroom - Floor	130 µg/ft <sup>2</sup>
0113JB-04	1 <sup>st</sup> Floor Bathroom - Window Sill	94 µg/ft <sup>2</sup>
0113JB-05	Back Porch - Floor	160 µg/ft <sup>2</sup>
0113JB-06	Back Porch - Window Sill	270 µg/ft <sup>2</sup>
0113JB-07	Living Room - Floor	66 µg/ft <sup>2</sup>
0113JB-08	Living Room - Window Sill	<40 µg/ft <sup>2</sup>
0113JB-09	Field Blank	<10 µg/wipe
0113JB-10	Field Blank	<10 µg/wipe

**Bold** – indicates results above CTPDH and HUD standards

The lead in dust laboratory analytical report and chain-of-custody form is provided in *Appendix E*.

---

### 3.5 Conclusions and Recommendations

LBP was identified during this inspection. If the building materials coated with LBP are to be disturbed as part of the proposed renovations, the work must be done by a RRP-Certified Renovator using HUD and/or RRP trained workers. If building components coated with LBP are to be disposed of during renovations, a sample of the proposed waste stream must be collected and submitted to an analytical laboratory for Toxicity Characteristic Leaching Procedure (TCLP) analysis to characterize the waste for disposal.

A lead dust hazard does exist in the areas tested, and is assumed to exist in other areas that were not tested. Lead dust located on the floor and window sills must be cleaned by a RRP-Certified Renovator using HUD and/or RRP-trained workers to below the CTDPH clearance standard of 40 µg/ft<sup>2</sup> (floors) and 250 µg/ft<sup>2</sup> (window sills).

No bare soil areas were identified along the exterior building drip line; therefore lead content in soil was not assessed. Water service to the residence was disconnected and not operational; therefore lead in drinking water was not assessed.

Note that the Occupational Safety and Health Administration (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 contain lead paint until tested. Contractor's should be aware that the threshold limit of 1.0 mg/cm<sup>2</sup> 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).

This inspection was performed as a comprehensive inspection of all representative surfaces within the residence that are scheduled to be disturbed and can be utilized to determine applicability requirements for the RRP rule on surfaces tested.

## 4 Assessment of PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light 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.

---

## 4.1 Methodology

On January 13, 2015, 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.

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## 4.2 Conclusions and Recommendations

No light ballasts were observed within the visible and accessible areas of the Site building. No further action regarding PCB-containing fluorescent light ballasts is required at this time.

# 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.

---

## 5.1 Methodology

On January 13, 2015, EnviroScience representative Mr. Hobbins performed a visual in-place inventory of mercury amps/tubes, thermostats, and mercury switches.

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## 5.2 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 fluorescent light ballasts is required at this time.

## 6 Mold Visual Assessment

On January 13, 2015, EnviroScience representative Mr. Hobbins performed a visual assessment for the presence of suspect mold and water intrusion.

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### 6.1 Observations

No suspected mold growth was identified on accessible/visible building materials observed within the residence at the time and date of the inspection. No further action regarding mold is required at this time.

## 7 Airborne Radon Gas Information, Sampling and Procedure

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### 7.1 Airborne Radon Gas Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium which is found 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 gas 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 with 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 gas is present in a building is to test the air for radon gas. Each frequently occupied room that is in contact with the lowest living level of the building 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.

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## 7.2 Airborne Radon Gas Sampling Methodology

On January 13, 2015, EnviroScience representative Mr. Hobbins deployed passive radon gas detection canisters in limited areas within the Site structure. The canisters were retrieved by EnviroScience representative Mr. Eaton on January 19, 2015, 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.

Airborne radon gas sampling laboratory analytical report and chain-of-custody form are included in *Appendix F*.

---

## 7.3 Airborne Radon Gas 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 standard 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 run. 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 Gas Analytical Results

Four canisters, including one duplicate and one blank, were placed in target locations within the structure during sampling that was performed January 13, 2015 to January 16, 2015. The radon gas concentrations in the samples collected during the assessment were determined to contain 0.1 pCi/L. The EPA threshold for radon gas is 4.0 pCi/L.

In *Table 4* below, the locations and results of quality control duplicate tests are listed for the sampling conducted from January 13, 2015, to January 16, 2015:

Table 4  
Duplicate Samples Results – January 13 – January 16, 2015

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Kitchen	2357350 & 2357396	0.1	0.4	0.25	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

Note Duplicate testing results were satisfactory.

In *Table 5* below, the locations and results of quality control blank tests are listed for sampling conducted from January 13, 2015, to January 16, 2015:

Table 5  
Blank Samples Results – January 13 – January 16, 2015

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Living Room	2357413	0.1

Note Blank testing results were satisfactory

In *Table 6* below, the locations, canister numbers, and radon concentrations are listed for the airborne radon assessment conducted from January 13, 2015 to January 16, 2015:

Table 6  
Radon Sampling Results – January 13 – January 16, 2015

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Living Room	2357377	0.2
Kitchen	2357350	0.1

Note Sample testing results were satisfactory.

---

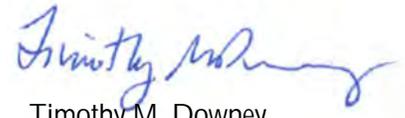
## 7.5 Conclusions and Recommendations

During the course of the initial airborne radon gas sampling, four sampling canisters, including one duplicate and one blank, were placed in targeted locations within the Site structure. The analytical results of the samples were below EPA recommended action level of 4.0 pCi/L. No further action regarding radon gas is required at this time.

Report prepared by Environmental Technician Robert Eaton.

Reviewed by:

  
Kevin J. McCarthy  
Project Manager

  
Timothy M. Downey  
Senior Project Manager

## Appendix A

---

### Fuss & O'Neill EnviroScience State Inspector Licenses and Accreditations

1001144 01 AV 0,378 \*\*AUTO T6 1 0564 06040 599246 C01 P01147 1



**JOHN R. HOBBS**  
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC  
146 HARTFORD ROAD  
MANCHESTER CT 06040-5992



Dear JOHN R. HOBBS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

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P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

**JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER**  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN R. HOBBS

VALIDATION NO. 03-147894	CERTIFICATE NO. 000700	CURRENT THROUGH 01/31/16
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PROFESSION  
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SIGNATURE

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ASBESTOS CONSULTANT-INSPECTOR

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# 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*

1001143 01 AV 0.378 \*\*AUTO 16 1 0564 06040-599246 (C01-P01146)



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MANCHESTER CT 06040-5992



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DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN R. HOBBS

VALIDATION NO. 03-147893	CERTIFICATE NO. 002156	CURRENT THROUGH 01/31/16
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1001143-0001149-0000001 of 0000001-C01-aid00101-0564-01146

# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**John Robert Hobbins**  
97 Montowese Street, Branford, CT 06405  
000-00-6853

*has successfully completed the*

## INSPECTOR REFRESHER

*Training Course  
conducted by  
Cardno ATC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070*

Principal Instructor: Neal Freuden

January 30, 2014  
Date of Course

CTLIR-205  
Certificate Number

January 30, 2014  
Exam Date

January 30, 2015  
Expiration Date

*Gregory J. Morsch*  
Training Manager: Gregory Morsch

*Training received complies with the requirements of the  
Connecticut Department of Public Health pursuant to Section 20-477 of the Connecticut General Statutes.*

1001311 01 AV 0.378 \*\*AUTO T6 2 1564 06040 599246 C01 P01314 1



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146 HARTFORD RD  
MANCHESTER CT 06040-5992



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DEPARTMENT OF PUBLIC HEALTH

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DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-119676	CERTIFICATE NO. 000841	CURRENT THROUGH 11/30/15
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ASBESTOS CONSULTANT-INSPECTOR

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JAMES B BLUM

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CURRENT THROUGH 11/30/15
VALIDATION NO. 03-119676

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DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-119676	CERTIFICATE NO. 000841	CURRENT THROUGH 11/30/15
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PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

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COMMISSIONER

1001311-0001317-0000001 of 0000001-C01-A1000101-1564-01314

# 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*

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

Dear Licensed/Certified Professional,  
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603  
P.O. Box 340308  
M.S.#12MQA <http://www.dph.state.ct.us>  
Hartford, CT 06134-0308

Sincerely,

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

**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.

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH  
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

**THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
Lead Inspector Risk Assessor**

JAMES B BLUM

CERTIFICATION NO. 2256  
CURRENT THROUGH 11/30/2015  
VALIDATION NO. DUPLICATE

SIGNATURE  
 COMMISSIONER

EMPLOYER'S COPY

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. DUPLICATE 2256  
CURRENT THROUGH 11/30/2015  
PROFESSION  
Lead Inspector Risk Assessor

SIGNATURE  
 COMMISSIONER

WALLET CARD

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. DUPLICATE 2256  
CURRENT THROUGH 11/30/2015  
PROFESSION  
Lead Inspector Risk Assessor

SIGNATURE  
 COMMISSIONER

# 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 Laboratory Analytical Reports and Chain-of-Custody Forms





**FUSS & O'NEILL**  
EnviroScience, LLC

56 Quarry Road, Trumbull, CT 06661

157  
MILFORD, NJ

041500969

www.fando.com

Phone (203) 374-3748 Fax (203) 374-4391

15 FEB 14 AM 11:35

### ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 1 of 2

Project Name: Lothrop - Storm Sandy Rehab Project No. 20140370.C8E Date: 1/13/2015  
 Site Address: 20 Cooper Avenue, Milford, CT Building Name: 20 Cooper Avenue Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0113BH-01A	1 <sup>st</sup> Floor	Sheetrock
0113BH-01B	1 <sup>st</sup> Floor	Sheetrock
0113BH-2A	1 <sup>st</sup> Floor	Taping Compound
0113BH-2B	1 <sup>st</sup> Floor	Taping Compound
0113BH-03	1 <sup>st</sup> Floor	Sheetrock/Taping Compound Composite
0113BH-04A	1 <sup>st</sup> Floor	Paper Backing on Batt Insulation
0113BH-04B	1 <sup>st</sup> Floor	Paper Backing on Batt Insulation
0113BH-05A	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-05B	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-05C	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-06A	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-06B	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-06C	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-07A	1 <sup>st</sup> Floor	Chimney Concrete Block
0113BH-07B	1 <sup>st</sup> Floor	Chimney Concrete Block

Analysis Method:  PLM  TEM  Other \_\_\_\_\_ Turnaround Time: 48 hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com  
FAX Results to: 888-838-1160

**Do Not Mail Hard Copy Report** Total # of Samples: 24

**Special Instructions:** Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group samples are all negative by PLM, analyze only "A" group sample (as noted by asterisk [\*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins *BH* Date: 1/13/15 Time: \_\_\_\_\_

Samples Sent by: B. Hobbins *BH* Date: 1/13/15 Time: \_\_\_\_\_

Samples Received by: JK EMSL Date: 1-14-15 Time: 9:30

Shipped To:  EMSL State NJ  Other \_\_\_\_\_

Method of Shipment:  FedEx  Lab Drop Off  Other \_\_\_\_\_

*(Signature)*



**FUSS & O'NEILL**  
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611

041500969

Phone (203) 374-3748 Fax (203) 374-4391

### ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 2

Project Name: Lothrop - Storm Sandy Rehab Project No. 20140370.C8E Date: 1/13/2015  
 Site Address: 20 Cooper Avenue, Milford, CT Building Name: 20 Cooper Avenue Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0113BH-08A	1st Floor	Chimney Concrete Block Grout
0113BH-08B	1st Floor	Chimney Concrete Block Grout
0113BH-09A	Exterior	Concrete Block Foundation
0113BH-09B	Exterior	Concrete Block Foundation
0113BH-10A	Exterior	Concrete Block Foundation Grout
0113BH-10B	Exterior	Concrete Block Foundation Grout
0113BH-11A	Exterior	Exterior Skim Coat Over Concrete Block Foundation
0113BH-11B	Exterior	Exterior Skim Coat Over Concrete Block Foundation
0113BH-11C	Exterior	Exterior Skim Coat Over Concrete Block Foundation

15 JAN 14 AM 11:35  
 ENVIRONMENTAL SCIENCE, INC.

Analysis Method:  PLM  TEM  Other \_\_\_\_\_ Turnaround Time: 48 hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748

Email Results to: kmccarthy@fando.com **Do Not Mail Hard Copy Report** Total # of Samples: 24  
 FAX Results to: 888-838-1160

**Special Instructions.** Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group samples are all negative by PLM, analyze only "A" group sample (as noted by asterisk [\*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins BH Date: 1/13/15 Time: \_\_\_\_\_  
 Samples Sent by: B. Hobbins BH Date: 1/13/15 Time: \_\_\_\_\_  
 Samples Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped To:  EMSL State NJ  Other \_\_\_\_\_

Method of Shipment:  FedEx  Lab Drop Off  Other \_\_\_\_\_  
 F:\P2014\0370\C8E\Lab Data\COC\_BH\_113-15.docx



# EMSL Analytical, Inc.

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

EMSL Order: 041500969  
 CustomerID: ENVI54  
 CustomerPO: 20140370.C8E  
 ProjectID:

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-01A 041500969-0001	1st Floor - Sheetrock	Gray Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected
0113BH-01B 041500969-0002	1st Floor - Sheetrock	Gray Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (other)	None Detected
0113BH-2A 041500969-0003	1st Floor - Taping Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-2B 041500969-0004	1st Floor - Taping Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-03 041500969-0005	1st Floor - Sheetrock / Taping Compound Composite	Brown/Gray/White Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
0113BH-04A 041500969-0006	1st Floor - Paper Backing on Batt Insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
0113BH-04B 041500969-0007	1st Floor - Paper Backing on Batt Insulation	Brown/Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
0113BH-05A 041500969-0008	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected

Analyst(s)

Andrew Coward (3)      Keishla Vazquez Caraballo (13)  
 Juli Patel (8)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 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 01/16/2015 08:56:37

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

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

EMSL Order:	041500969
CustomerID:	ENVI54
CustomerPO:	20140370.C8E
ProjectID:	

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-05B 041500969-0009	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
0113BH-05C 041500969-0010	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
0113BH-06A 041500969-0011	1st Floor - Chimney Flue Cement	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-06B 041500969-0012	1st Floor - Chimney Flue Cement	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-06C 041500969-0013	1st Floor - Chimney Flue Cement	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-07A 041500969-0014	1st Floor - Chimney Concrete Block	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-07B 041500969-0015	1st Floor - Chimney Concrete Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-08A 041500969-0016	1st Floor - Chimney Concrete Block Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

## Analyst(s)

Andrew Coward (3)

Keishla Vazquez Caraballo (13)

Juli Patel (8)

Stephen Siegel, CIH, Laboratory Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaaminson, 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 01/16/2015 08:56:37

**EMSL Analytical, Inc.**

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EMSL Order: 041500969  
 CustomerID: ENVI54  
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 ProjectID:

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-08B 041500969-0017	1st Floor - Chimney Concrete Block Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-09A 041500969-0018	Exterior - Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-09B 041500969-0019	Exterior - Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-10A 041500969-0020	Exterior - Concrete Block Foundation Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-10B 041500969-0021	Exterior - Concrete Block Foundation Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11A 041500969-0022	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11B 041500969-0023	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11C 041500969-0024	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

**Analyst(s)**

Andrew Coward (3)      Keishla Vazquez Caraballo (13)  
 Juli Patel (8)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 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 01/16/2015 08:56:37





**EMSL Analytical, Inc.**

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

EMSL Order: 041501106  
 CustomerID: ENVI54A  
 CustomerPO: 20140370.C8E  
 ProjectID:

Attn: **Kevin McCarthy**  
**Fuss & O'Neill EnviroScience, LLC**  
**56 Quarry Road**  
**Trumbull, CT 06611**

Phone: (203) 374-3748  
 Fax: (203) 374-4391  
 Received: 01/15/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop - Storm Sandy Rehab / 20 Cooper Avenue, Milford, CT / 20140370.C8E**

**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
0113BH-12A 041501106-0001	Crawl Space - Paper Backing on Fiberglass Insulation	Brown/Black Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
0113BH-12B 041501106-0002	Crawl Space - Paper Backing on Fiberglass Insulation	Tan Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected

Analyst(s)  
 Heather Paulson (1)  
 Patrick Carr (1)

*Stephen Siegel*  
 Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 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 01/16/2015 16:26:42

## Appendix C

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### 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 <sup>2</sup> )
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 <sup>2</sup> )	Inconclusive Range (mg/cm <sup>2</sup> )
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.



## Lead Dust Wipe Sampling Protocol

### Data Collection

- A. A description of the sample location is recorded.
- B. Surface type (floor, windowsill, window well) is noted.
- C. Surface area measurements are recorded.

### Wipe Sampling Method

- A. The area to be wiped is identified and measured.
- B. A disposable glove is put on and the "ghost wipe" package is opened.
- C. Without touching any other surface, the wipe is opened and placed flat down on the surface. Using firm, consistent pressure, a wipe is taken in a single "S" motion.
- D. Next the wipe is folded in half with the contaminated side facing inward and another wipe is taken again at 90 degrees to the first "S" wipe. Do not use a scrubbing motion, but be sure to collect all visible dust in the measured area.
- E. The wipe is folded again with the contaminated side inward. Without touching any other surface, the wipe is placed into a plastic centrifuge tube. The tube is sealed and labeled. The sample number indicates the date and sampler's identity.
- F. The samples are submitted to our laboratory on our standard sample log. Date and time of transfer is recorded to ensure proper chain of custody. The analytical procedure utilized is a modified EPA SW-846-3050. Blanks are submitted in accordance with EnviroScience's QA/QC program.

## Appendix D

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### 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: 3241R  
 Date of Inspection: January 13, 2015 Project Number: 20140370.C8E

**Property Information**

Building Address: 20 Cooper Avenue  
 (Street)  
Milford CT Age of Property: NA  
 (City) (State)

Describe Structure: interior sheetrock walls/ceilings with wood/vinyl windows and doors and wood floors.

Exterior is wood siding and concrete foundation.

- 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

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

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)? \_\_\_\_\_

**XRF Calibration Check**

- Calibration Paint Film Used:  NIST 1.02 mg/cm<sup>2</sup>  Manufacturer's Standard 1.0 mg/cm<sup>2</sup>
- Calibration Check Limits Used:  RMD (0.7 to 1.3 mg/cm<sup>2</sup> inclusive)  
 Scitec MAP4 (0.6 to 1.2 mg/cm<sup>2</sup> inclusive)

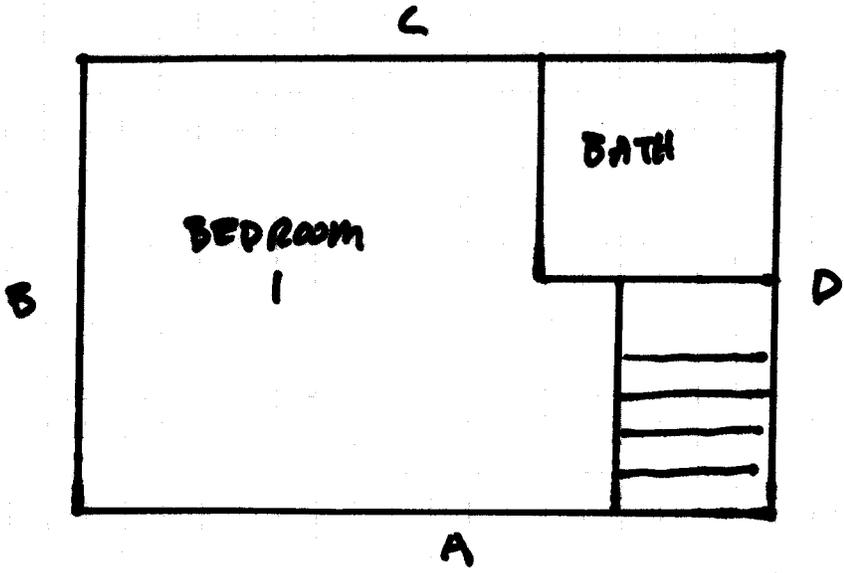
	Hour	First Reading	Second Reading	Third Reading	Average
First Check	1000	1.1	1.0	1.2	1.10
Second Check	1145	1.0	1.1	1.0	1.03
Third Check	1230	1.1	1.2	1.2	1.16
Fourth Check					



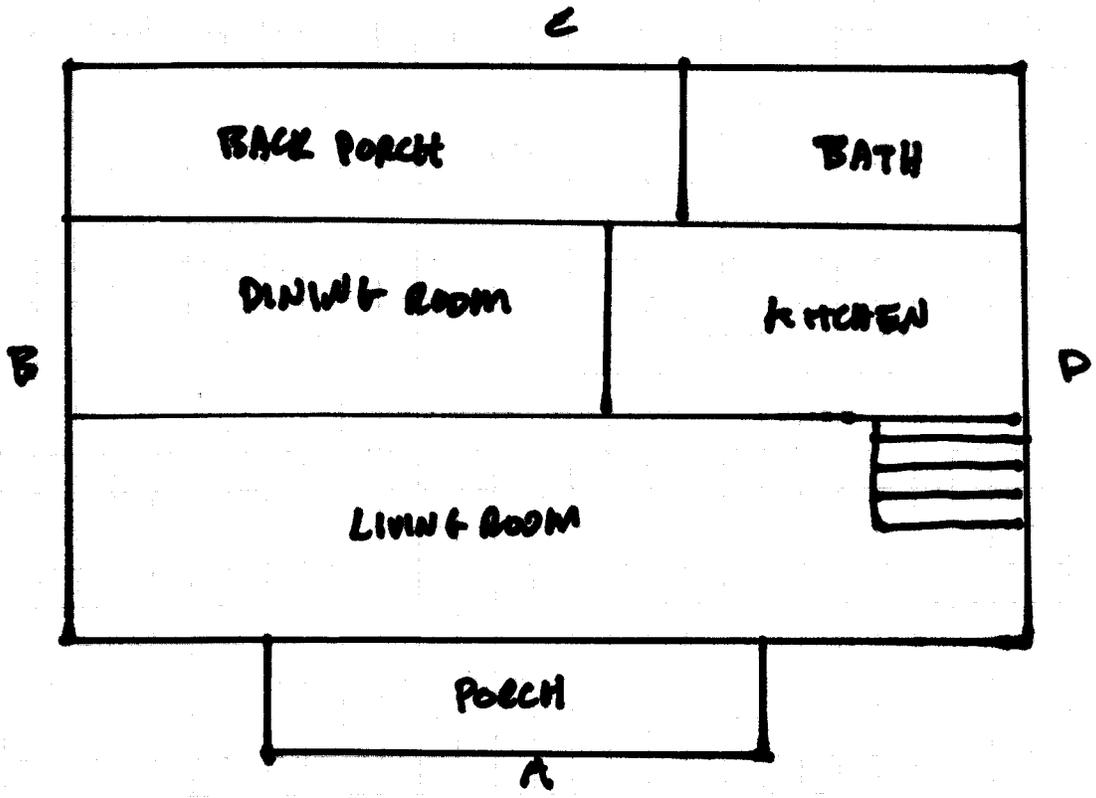
Prepared By	Date	Checked By	Date	Project No
-------------	------	------------	------	------------

Sheet No of
----------------

### 2nd FLOOR



### 1ST FLOOR



COOPER AVENUE



**XRF FIELD DATA SHEET - INTERIOR ROOM**

Address: 20 Cooper Ave, Milford, CT

Apt. #: \_\_\_\_\_

Floor: 2nd Room: Bedroom 1

Page 1 of 11

Project Name: Lothrop-Sandy Rehab Project Number: \_\_\_\_\_

20140370.C8E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	-0.1		W	WHT.					
A	Wall	-0.3		SR	WHT.					
B	Wall	-0.4		↓	↓					
C	Wall	0.1		↓	↓					
D	Wall	-0.0		↓	↓					
	Chair rail									
	Ceiling	-0.2		SR	WHT.					
	Crown Molding									
	Door	-0.4		W	WHT.					
	Casing	-0.2		↓	↓					
	Jamb	-0.0		↓	↓					
	Door									
	Casing									
	Jamb									
	Window Trim	-0.1		W	WHT.					
	Sill			↓	↓					
	Sash	-0.2		↓	↓					
	Well	0.1		V	↓					
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
	POST	0.1		W	WHT.					

\* 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: 20 Cooper Ave, Milford, CT

Apt. #: \_\_\_\_\_

Floor: 2nd Room: Barlt

Page 2 of 11

Project Name: Lothrop-Sandy Rehab Project Number: \_\_\_\_\_

20140370.C8E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	-0.1		W	WHT.					
A	Wall	-0.3		BR	WHT.					
B	Wall	-0.1								<u>STAIRWELL</u>
C	Wall	-0.1								
D	Wall	-0.3								mech -0.1 W WHT
	Chair rail									SMG 0.0
	Ceiling									MSR -0.2
	Crown Molding									D wall -0.3 W WHT
	Door	-0.3		W	WHT.					
	Casing	-0.1								
	Jamb	-0.6								
	Door									
	Casing									
	Jamb									
	Window Trim	-0.1		W	WHT.					
	Sill	0.0								
	Sash	-0.3								
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
	p.p.e	-0.0		m	WHT.					

\* 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: 20 Cooper Ave, Milford, CT

Apt. #: \_\_\_\_\_

Floor: 1st Room: Barit

Page 6 of 11

Project Name: Lothrop-Sandy Rehab Project Number: \_\_\_\_\_

20140370.C8E

Project Manager: K. McCarthy (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards									
A	Wall									
B	Wall									
C	Wall									
D	Wall									
	Chair rail									
	Ceiling	0.4		SR	WHT.					
	Crown Molding									
	Door									
	Casing									
	Jamb									
	Door									
	Casing									
	Jamb									
	Window Trim	0.2		W	WHT.					
	Sill	0.5		L	L					
	Sash	0.0								
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
C	Wall - 4x4 Post	2.5	✓	W	WHT.	NO				
A	Wall	4.6	✓	W	WHT.	NO				old siding

\* 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: 20 Cooper Ave, Milford, CT Page 8 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	Grey					
	Skirt Board									
	Corner Boards									
	Siding	0.3		W	Grey					
	Upper Trim	0.3		W	Wht.					
	Door	-0.1		M	Red					
	Casing	-0.1		W	Wht.					
	Jamb	0.1		W	Wht.					
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	0.1		W	Wht.					Screen
	Trim	0.2		I	I					I
	Sash	-0.2		I	I					I
	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									



XRF FIELD DATA SHEET - EXTERIOR OF SIDE B

Address: 20 Cooper Ave, Milford, CT Page 9 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.9		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	-0.0		W	grey					
	Upper Trim									
	Door									
	Casing									
	Jamb									
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	NC								
	Trim	NC								
	Sash	-0.1		W	white					
	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									



**XRF FIELD DATA SHEET - EXTERIOR OF SIDE C**

Address: 20 Cooper Ave, Milford, CT Page 10 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	-0.1		W	grey					
	Upper Trim	-0.5		W	white					
	Door	-0.4		W	white					
	Casing	-0.0		I	I					
	Jamb	-0.0		I	I					
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	MC								
	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									



**XRF FIELD DATA SHEET - EXTERIOR OF SIDE D**

Address: 20 Cooper Ave, Milford, CT Page 11 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	0.1		W	grey					
	Upper Trim									
	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									
	Railing Cap									
	Ceiling									
	Lattice									
	Lattice Frame									
	Support Columns									
	Column Base									
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									

## Appendix E

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### Lead in Dust Laboratory Analytical Report and Chain-of-Custody Form





**FUSS & O'NEILL**  
EnviroScience, LLC

**201500375**

www.fando.com

146 Hartford Road, Manchester, CT 06040

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

**SAMPLE LOG FOR LEAD WIPES**

Sheet No. 1 of 1

Project Name: Lothrop - Storm Sandy Rehab  
Building: 20 Cooper Avenue, Milford, CT

Project Number: 20140370.C8E  
Project Manager: Kevin McCarthy

Sample ID Number	Sample Location/Building	Surface		Result (ug/ft)	Lab Number
		Component	Sq. In.		
0113JB-01	2nd Floor Bedroom	Floor	144		
0113JB-02	2nd Floor Bedroom	Window Sill	36		
0113JB-03	1st Floor Bathroom	Floor	144		
0113JB-04	1st Floor Bathroom	Window Sill	36		
0113JB-05	Back Porch	Floor	144		
0113JB-06	Back Porch	Window Sill	36		
0113JB-07	Living Room	Floor	144		
0113JB-08	Living Room	Window Sill	36		
0113JB-09	Field Blank	n/a	n/a		
0113JB-10	Field Blank	n/a	n/a		

Analysis Method: EPA-SW-846-3050(MOD.)  
Wipe Media  ASTM  Non ASTM

Turnaround Time 48 hours

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 1/16/15.  
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Samples Collected By: J. Blum JB Date: 1/13/15 Time: \_\_\_\_\_  
 Samples Rec'd/Sent By: J. Blum JB Date: 1/13/15 Time: \_\_\_\_\_  
 Samples Received By: [Signature] Date: 1/14/15 Time: 10:29 AM EMSL

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: (856) 303-2500 / (856) 786-5974  
 http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order: 201500375  
 CustomerID: ENVI54  
 CustomerPO: 20140370.C8E  
 ProjectID:

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 10:29 AM  
 Collected: 1/13/2015

Project: 2010370.C8E / Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, Milford, CT

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

Client Sample Description	Lab ID	Collected	Analyzed	Area Sampled	Lead Concentration
0113JB-01 Site: 2nd Floor Bedroom Floor	201500375-0001	1/13/2015	1/15/2015	144 in <sup>2</sup>	<10 µg/ft <sup>2</sup>
0113JB-02 Site: 2nd Floor Bedroom Window Sill	201500375-0002	1/13/2015	1/15/2015	36 in <sup>2</sup>	<40 µg/ft <sup>2</sup>
0113JB-03 Site: 1st Floor Bathroom Floor	201500375-0003	1/13/2015	1/15/2015	144 in <sup>2</sup>	130 µg/ft <sup>2</sup>
0113JB-04 Site: 1st Floor Bathroom Window Sill	201500375-0004	1/13/2015	1/15/2015	36 in <sup>2</sup>	94 µg/ft <sup>2</sup>
0113JB-05 Site: Back Porch Floor	201500375-0005	1/13/2015	1/15/2015	144 in <sup>2</sup>	160 µg/ft <sup>2</sup>
0113JB-06 Site: Back Porch Window Sill	201500375-0006	1/13/2015	1/15/2015	36 in <sup>2</sup>	270 µg/ft <sup>2</sup>
0113JB-07 Site: Living Room Floor	201500375-0007	1/13/2015	1/15/2015	144 in <sup>2</sup>	66 µg/ft <sup>2</sup>
0113JB-08 Site: Living Room Window Sill	201500375-0008	1/13/2015	1/15/2015	36 in <sup>2</sup>	<40 µg/ft <sup>2</sup>
0113JB-09 Site: Field Blank	201500375-0009	1/13/2015	1/15/2015	n/a	<10 µg/wipe
0113JB-10 Site: Field Blank	201500375-0010	1/13/2015	1/15/2015	n/a	<10 µg/wipe

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

\*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/ft<sup>2</sup> x area sampled in ft<sup>2</sup>. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft<sup>2</sup> which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

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

Initial report from 01/16/2015 12:47:13

## Appendix F

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### Airborne Radon Gas Sampling Laboratory Analytical Report and Chain-Of-Custody Form





**FUSS & O'NEILL**  
EnviroScience, LLC

Oll  
Received  
1.19.2015

**Radon Testing Summary Sheet**

Contact/Phone #: Bob Hobbins/203-374-3748 x 3526 Placed by: B. Hobbins  
 Project #: 20140370.C8E Retrieved by: B. Eaton  
 Project: Lothrop Storm Sandy Rehab Start Date: 1-13-15  
 Address: 20 Cooper Avenue Stop Date: 1-16-15  
Milford, CT Weather at Placement: Odd, Sunny 25°F

**email results to [ihobbins@fando.com](mailto:ihobbins@fando.com) Please Make Sure to Include the Chain of Custody**

**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) if necessary. Please

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2357350



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS  
2357350

Client

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2357377



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS  
2357377

Client

RADON TESTING CORP. OF AMERICA

Start Time: 8:33  
Stop Time: 8:17  
Identifier: \_\_\_\_\_

Kitchen

Start Time: 8:35  
Stop Time: 8:19  
Identifier: \_\_\_\_\_

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  
2357396



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS  
2357396

Client

RADON TESTING CORP. OF AMERICA

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM  
2357413



REMOVE THIS PORTION AND KEEP FOR YOUR RECORDS  
2357413

Client

RADON TESTING CORP. OF AMERICA

Start Time: 8:33  
Stop Time: 8:18  
Identifier: \_\_\_\_\_

Kitchen - D

Start Time: \_\_\_\_\_  
Stop Time: N/A  
Identifier: A

Living Room - B

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

Start Time: \_\_\_\_\_  
Stop Time: \_\_\_\_\_  
Identifier: \_\_\_\_\_

Site Radon Inspection Report

Date : 01/19/2015

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

Client: Lothrop-Storm Sandy Rehab-20140370.C8E

Test Location: 20 Cooper Avenue  
Milford, CT 06460-

Individual Canister Results

Canister ID# :	2357350	Test Start :	01/13/2015 @ 08:33
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/16/2015 @ 08:17
Location :	Kitchen	Received:	01/19/2015 @ 10:51
Radon Level :	0.1 pCi/L	Analyzed:	01/19/2015 @ 10:29
Error for Measurement is: ±	0.2 pCi/L		

Canister ID# :	2357377	Test Start :	01/13/2015 @ 08:35
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/16/2015 @ 08:19
Location :	Living Rm	Received:	01/19/2015 @ 10:51
Radon Level :	0.2 pCi/L	Analyzed:	01/19/2015 @ 10:29
Error for Measurement is: ±	0.2 pCi/L		

Canister ID# :	2357396	Test Start :	01/13/2015 @ 08:33
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/16/2015 @ 08:18
Location :	Kitchen-D	Received:	01/19/2015 @ 10:51
Radon Level :	0.4 pCi/L	Analyzed:	01/19/2015 @ 10:29
Error for Measurement is: ±	0.3 pCi/L		

Canister ID# :	2357413	Test Start :	01/13/2015 @ 08:35
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/16/2015 @ 08:19
Location :	Living Rm-B	Received:	01/19/2015 @ 10:51
Radon Level :	0.1 pCi/L	Analyzed:	01/19/2015 @ 10:29
Error for Measurement is: ±	0.3 pCi/L		



*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



Site Radon Inspection Report

Date : 01/19/2015

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

Client: Lothrop-Storm Sandy Rehab-20140370.C8E  
Test Location: 20 Cooper Avenue  
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](http://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](http://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

Pre-Demolition  
Hazardous Materials Building  
Inspection Report  
Storm Sandy Residential Rehabilitation Project  
20 Cooper Avenue  
Milford, Connecticut  
Trez Residence

Lothrop Associates, LLP  
White Plains, New York

June 2016



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

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Pre-Demolition  
Hazardous Materials Building Inspection Report  
20 Cooper Avenue, Milford, Connecticut  
Lothrop Associates, LLP

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# 1 Introduction

On January 13, 2015, January 15, 2015, and May 26, 2016, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technicians, Mr. James Blum, Mr. Robert Hobbins, and Mr. Robert Eaton performed a pre-demolition limited hazardous materials building inspection of the residential structure located at 20 Cooper Avenue in Milford, Connecticut (the "Site"). Mr. Hobbins and Mr. Blum are both State of Connecticut-licensed Asbestos Consultant - Inspectors and Licensed Lead Inspectors. Mr. Blum is also a State of Connecticut-Licensed Lead Risk Assessor. The residential structure was not occupied at the time and date of the inspection and is scheduled for demolition. Refer to *Appendix A* for the EnviroScience inspector state licenses and accreditations. The scope of work was performed for Lothrop Associates, LLP (the "Client").

The inspection was performed in response to the planned demolition of the Site building due to damage caused by Superstorm Sandy, as identified in the *Initial Property Inspection Report* dated June 16, 2014, provided by the Client. The limited inspection consisted of the following:

- A inspection for asbestos-containing materials (ACM);
- Testing of painted surfaces coated with suspect lead-based paint (LBP);
- An evaluation of fluorescent light fixtures for polychlorinated biphenyls (PCB)-containing light ballasts; and
- Waste characterization sampling for lead.

## 2 Asbestos Inspection

A property owner must ensure that performance of a thorough inspection for ACM, prior to possible disturbance of suspect ACM during 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 or 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 Consultants – Inspectors collected samples and prepared proper chain-of-custody forms for transmission of samples to a Connecticut-licensed analytical laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, and sample identification are identified by bulk sample analysis in *Table 1* of the “Results” section. Asbestos laboratory analytical reports and chain-of-custody forms are included in *Appendix B*.

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## 2.2 Results

Utilizing the EPA sampling and analytical protocols, the following materials were identified as non-ACM:

Table 1  
 Non-Asbestos-Containing Materials

Location	Material Type	Sample No.
1 <sup>st</sup> Floor	Gray Sheetrock & White/Tan Joint/Taping Compound	0113BH-01A-B, 02A-B, 03
1 <sup>st</sup> Floor	Brown./Black Paper Backing on Fiberglass Batting Insulation	0113BH-04A-B
1 <sup>st</sup> Floor	Black Paper Beneath Hardwood Flooring	0113BH-05A-C
1 <sup>st</sup> Floor	Gray/White Chimney Flue Cement	0113BH-06A-C
1 <sup>st</sup> Floor	Gray Chimney Concrete Block & Gray Grout	0113BH-07A-B, 08A-B
Throughout Exterior	Gray Concrete Block Foundation & Gray Grout	0113BH-09A-B, 10A-B
Throughout Exterior	Gray Skim Coat over Concrete Block Foundation	0113BH-11A-C
Crawl Space	Brown/Black Paper Backing on Fiberglass Batt Insulation	0113BH-12A-B
2 <sup>nd</sup> Floor	Remnant Black Glue on Wood Flooring	0526BH01A-B
Exterior	Black Vapor Barrier Paper at Exterior Window and behind Wood Siding	0526BH02A-B, 03A-B
Exterior Roof	Top and Bottom Asphalt Roof Shingles and Black Base Sheet	0526BH04A-B, 05A-B, 06A-B

## 2.3 Discussion

The EPA defines 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 & Recommendations

The analytical results of the suspect ACM samples collected and analyzed indicate the suspect ACM observed during this inspection are non-ACM.

Any suspect material encountered during demolition activities that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample collection and analysis indicate otherwise.

## 3 Lead-Based Paint Testing

EnviroScience conducted a comprehensive testing for surfaces coated with LBP within the Site structure. On January 13, 2015, EnviroScience representatives, Mr. Blum and Mr. Hobbins, performed the testing. The purpose of the testing was for compliance with EPA’s Renovation, Repair, and Painting Rule (RRP)

(Title 40 CFR, Parts 745.80 through 92) and the US Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (Title 24 CFR, Part 35, Subparts B-R).

### 3.1 XRF Sampling Methodology

A direct reading X-ray fluorescence (XRF) analyzer was used to perform the testing. The testing was conducted in accordance with industry standard protocol.

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 two-story residential building foundation was constructed with masonry stone. Window and door systems are composed of wood and metal. Interior walls and ceilings are constructed with sheetrock. The Site structure was unoccupied at the time of the inspection.

### 3.2 XRF Results

The coated building component testing indicated consistent painting trends throughout the building interior and exterior. The following painted building components were determined to contain toxic levels of lead (equal to or greater than 1.0 milligrams of lead per square centimeter [mg/cm<sup>2</sup>] of paint):

Table 2  
Lead-Painted Building Components

Building Component	Location	Reading (mg/cm <sup>2</sup> )	Defective?
White Wood 4" x 4" Post	1st Floor Bathroom	2.5	No
White Wood Wall – Old Siding		4.8	No
White Wood Wall	Back Porch	4.5	No
White Wood Door Casing		3.0	No

The lead testing field data sheets and diagrams are provided as *Appendix C* of this report.

### 3.3 Conclusions and Recommendations

LBP was identified during this inspection. LBP-coated building components should not be subjected to grinding or cutting with a torch during demolition.

Note that the Occupational Safety and Health Administration (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.

## 4 Lead Waste Characterization

A waste is a solid or liquid material that serves no further purpose. A waste is defined by EPA to be hazardous if it contains certain properties that could pose dangers to human health and the environment after it is discarded. Wastes that are ignitable, corrosive, reactive, or toxic are regulated under the Hazardous Waste Regulations. TCLP is a method that extracts the compounds of interest in a standard way simulating landfill conditions (EPA Title 40 CFR, Part 261).

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### 4.1 Sample Collection Methodology

Mr. Hobbins collected representative aliquots of various LBP-coated building components throughout the residential structure for TCLP analysis:

Material substrates such as brick, concrete, and wood were segregated in accordance with LBP determination data. Representative aliquots were collected of the individual substrates/surfaces and composited based on their respective quantities into a single sample. The composite sample was analyzed by TCLP for lead as a representation of the total waste stream resulting from demolition of the structure.

Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut analyzed the composite sample. Phoenix is a Connecticut-certified laboratory. The sample was analyzed using EPA Method SW-846 (Extraction Method 1311).

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### 4.2 Results

One composite sample was collected and analyzed. The EPA RCRA defines toxic concentrations for lead which is commonly identified in paint to be greater than 5.0 milligrams per liter (mg/L).

The analytical results of the representative composite samples indicates the waste leaches lead at less than 5.0 mg/L for the structure at the Site and is therefore, not classified as a hazardous waste.

Refer to *Appendix D* for Lead TCLP laboratory analytical report and chain-of-custody form.

## 5 Assessment of PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light 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.

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## 5.1 Methodology

On January 13, 2015, 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.

---

## 5.2 Conclusions and Recommendations

No light ballasts were observed within the visible and accessible areas of the Site building. No further action regarding PCB-containing fluorescent light ballasts is required at this time.

# 6 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.

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## 6.1 Methodology

On January 13, 2015, EnviroScience representative Mr. Hobbins performed a visual in-place inventory of mercury amps/tubes, thermostats, and mercury switches.

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## 6.2 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 fluorescent light ballasts is required at this time.

Report prepared by Environmental Analyst, Robert Hobbins.

Reviewed by:



Kevin J. McCarthy  
Project Manager

## Appendix A

---

### Fuss & O'Neill EnviroScience State Inspector Licenses and Accreditations

1001237 01 AV 0.388 \*\*AUTO T6 2 1564 06040 599246 C01-P01240-I



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



Dear JAMES B BLUM,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

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

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-347777      CERTIFICATE NO. 000841      CURRENT THROUGH 11/30/16

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

JAMES B BLUM

CERTIFICATE NO. 000841  
CURRENT THROUGH 11/30/16  
VALIDATION NO. 03-347777

SIGNATURE      COMMISSIONER

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WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-347777      CERTIFICATE NO. 000841      CURRENT THROUGH 11/30/16

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      COMMISSIONER

1001237-0001249-00000001 of 00000001-C01-a1d00101-1564-01240

# Certificate of Training

*Awarded to*

**JAMES BLUM**

*For successful completion of a 4 Hour, 1/2 Day  
Asbestos Building Inspector  
Annual Refresher Training  
September 2, 2015*

This training was approved and given in accordance with the  
Regulations for Connecticut State Agencies  
RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the  
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

*Presented by*

**Mystic Air Quality Consultants, Inc.**

**1204 North Road, Groton, CT 06340 (800) 247-7746**

Certificate Number: ABIRF24320

Exam Grade: 100

Expiration Date: 09/02/2016

Exam Date: 09/02/2015



**Christopher J. Eident, CIH, CSP, RS**



**George Williamson, Training Director**

Richard Haffey, Training Director

1001236 01 AV 0.388 \*\*AUTO T6 2 1564 06040 599246 C01 P01239 1



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



Dear JAMES B BLUM,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

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

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-347776      CERTIFICATE NO. 002256      CURRENT THROUGH 11/30/16

PROFESSION  
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE      COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

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THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
LEAD INSPECTOR RISK ASSESSOR

JAMES B BLUM

CERTIFICATE NO. 002256  
CURRENT THROUGH 11/30/16  
VALIDATION NO. 03-347776

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WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JAMES B BLUM

VALIDATION NO. 03-347776      CERTIFICATE NO. 002256      CURRENT THROUGH 11/30/16

PROFESSION  
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE      COMMISSIONER

1001236-0001242-00000001 of 00000001-C01-a1d00101-1564-01239

# Certificate of Training

This program was presented at  
Fuss & O'Neill Enviro Science in  
Manchester, CT with the prior  
approval of the CTDPH.

*Awarded to*

**JAMES BLUM**

**146 HARTFORD ROAD, MANCHESTER, CT 06040**

*Has successfully completed a 7 hr, 1 day*

**Lead Inspector Risk Assessor Refresher**

**February 16 & 17, 2016**

This training course was approved and given in accordance with the  
Department of Health Standards established pursuant to  
Section 20-477 of the Connecticut General Statutes

*Presented by*

**Mystic Air Quality Consultants, Inc.**

**1204 North Road, Groton, CT 06340 (800) 247-7746**

Certificate Number: 95CTLDRARF  
*J. Eiden* 24765

Exam Date: 02/17/2016

Expiration Date: 02/17/2017

*Richard Haffey*  
**George Williamson, Training Director**

Richard Haffey, Training Director



JOHN R. HOBBS  
C/O FUSS & O'NEILL ENVIROSCIENCE, LLC  
146 HARTFORD ROAD  
MANCHESTER CT 06040-5992



Dear JOHN R. HOBBS,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, ACTING COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

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STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN R. HOBBS

VALIDATION NO. 03-373287      CERTIFICATE NO. 000700      CURRENT THROUGH 01/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      ACTING COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

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THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
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ASBESTOS CONSULTANT-INSPECTOR

JOHN R. HOBBS

CERTIFICATE NO.  
000700

CURRENT THROUGH  
01/31/17

VALIDATION NO.  
03-373287

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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.

WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
JOHN R. HOBBS

VALIDATION NO. 03-373287      CERTIFICATE NO. 000700      CURRENT THROUGH 01/31/17

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE      ACTING COMMISSIONER

1001102-0001108-0000001 of 0000001-C01-ai1d00101-0564-01105

# QUES&T

Quality Environmental Solutions & Technologies, Inc  
1376 Route 9, Wappingers Falls, NY 12590  
Phone 845-298-6031 Fax 845-298-6251

HEREBY CERTIFIES THAT

**JOHN R. HOBBS**

HAS SUCCESSFULLY COMPLETED A TRAINING SEMINAR IN:

## **NYS/EPA INSPECTOR REFRESHER**

MEETING THE REQUIREMENTS OF NYSDOH 10 NYCRR, PART 73 AND  
TSCA TITLE 11 AND RECEIVED THIS CERTIFICATE BY:



**KENNETH C. ECK**  
TRAINING DIRECTOR

NOTE: Official record of successful completion is DOH 2832 Certificate of Completion of  
Asbestos Safety Training

Note: DOH 2832 - A \$20 fee shall be charged for replacement of Certificate of Completion DOH 2832

ON THIS DATE: 09/16/2015

CERTIFICATE NUMBER: 738120

EXPIRATION DATE 09/16/2016

## Appendix B

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### Asbestos Laboratory Analytical Reports and Chain-of-Custody Forms



**EMSL Analytical, Inc.**

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

EMSL Order: 041500969  
 CustomerID: ENV154  
 CustomerPO: 20140370.C8E  
 ProjectID:

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-01A 041500969-0001	1st Floor - Sheetrock	Gray Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected
0113BH-01B 041500969-0002	1st Floor - Sheetrock	Gray Fibrous Homogeneous	5% Cellulose 5% Glass	90% Non-fibrous (other)	None Detected
0113BH-2A 041500969-0003	1st Floor - Taping Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-2B 041500969-0004	1st Floor - Taping Compound	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-03 041500969-0005	1st Floor - Sheetrock / Taping Compound Composite	Brown/Gray/White, Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
0113BH-04A 041500969-0006	1st Floor - Paper Backing on Batt Insulation	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
0113BH-04B 041500969-0007	1st Floor - Paper Backing on Batt Insulation	Brown/Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
0113BH-05A 041500969-0008	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected

**Analyst(s)**

Andrew Coward (3)  
 Juli Patel (8)

Keishla Vazquez Caraballo (13)

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, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/16/2015 08:56:37

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

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

EMSL Order:	041500969
CustomerID:	ENV154
CustomerPO:	20140370.C8E
ProjectID:	

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-05B 041500969-0009	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
0113BH-05C 041500969-0010	1st Floor - Black Paper under Wood Flooring	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
0113BH-06A 041500969-0011	1st Floor - Chimney Flue Cement	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-06B 041500969-0012	1st Floor - Chimney Flue Cement	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-06C 041500969-0013	1st Floor - Chimney Flue Cement	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-07A 041500969-0014	1st Floor - Chimney Concrete Block	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-07B 041500969-0015	1st Floor - Chimney Concrete Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-08A 041500969-0016	1st Floor - Chimney Concrete Block Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

## Analyst(s)

Andrew Coward (3)

Juli Patel (8)

Keishla Vazquez Caraballo (13)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 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# 68-00387

Initial report from 01/16/2015 08:56:37

Test Report PLM-7.28.9 Printed: 1/16/2015 8:56:37 AM

**EMSL Analytical, Inc.**

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

EMSL Order: 041500969  
 CustomerID: ENVI54  
 CustomerPO: 20140370.C8E  
 ProjectID:

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

Phone: (860) 646-2469  
 Fax: (888) 838-1160  
 Received: 01/14/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop-Storm Sandy Rehab / 20 Cooper Avenue, 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
0113BH-08B 041500969-0017	1st Floor - Chimney Concrete Block Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-09A 041500969-0018	Exterior - Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-09B 041500969-0019	Exterior - Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-10A 041500969-0020	Exterior - Concrete Block Foundation Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-10B 041500969-0021	Exterior - Concrete Block Foundation Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11A 041500969-0022	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11B 041500969-0023	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
0113BH-11C 041500969-0024	Exterior - Exterior Skim Coat over Concrete Block Foundation	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

**Analyst(s)**

Andrew Coward (3)  
 Juli Patel (6)

Keishla Vazquez Caraballo (13)

Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 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 01/16/2015 08:56:37

OrderID: 041500969

Fuss & O'Neill EnviroScience EMSL Customer No. ENVI54



**FUSS & O'NEILL**  
EnviroScience, LLC

LABORATORY  
MILFORD, NJ

041500969

www.fando.com

56 Quarry Road, Trumbull, CT 066611

15 JAN 14 AM 11:35

Phone (203) 374-3748 Fax (203) 374-4391

**ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM**

Sheet 1 of 2

Project Name: Lothrop - Storm Sandy Rehab

Project No. 20140370.C8E

Date: 1/13/2015

Site Address: 20 Cooper Avenue, Milford, CT

Building Name: 20 Cooper Avenue

Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0113BH-01A	1 <sup>st</sup> Floor	Sheetrock
0113BH-01B	1 <sup>st</sup> Floor	Sheetrock
0113BH-2A	1 <sup>st</sup> Floor	Taping Compound
0113BH-2B	1 <sup>st</sup> Floor	Taping Compound
0113BH-03	1 <sup>st</sup> Floor	Sheetrock/Taping Compound Composite
0113BH-04A	1 <sup>st</sup> Floor	Paper Backing on Batt Insulation
0113BH-04B	1 <sup>st</sup> Floor	Paper Backing on Batt Insulation
0113BH-05A	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-05B	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-05C	1 <sup>st</sup> Floor	Black Paper Under Wood Flooring
0113BH-06A	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-06B	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-06C	1 <sup>st</sup> Floor	Chimney Flue Cement
0113BH-07A	1 <sup>st</sup> Floor	Chimney Concrete Block
0113BH-07B	1 <sup>st</sup> Floor	Chimney Concrete Block

Analysis Method:  PLM  TEM  Other

Turnaround Time: 48 hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com  
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report. Total # of Samples: 24

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group samples are all negative by PLM, analyze only "A" group sample (as noted by asterisk [\*] above) by TEM NOB, per group.

Samples collected by: B. Hobbins BH Date: 1/13/15 Time: \_\_\_\_\_

Samples Sent by: B. Hobbins BH Date: 1/13/15 Time: \_\_\_\_\_

Samples Received by: JK EMSL Date: 1-14-15 Time: 9:30

Shipped To:  EMSL State NJ  Other

Method of Shipment:  FedEx  Lab Drop Off  Other

24



FUSS & O'NEILL  
EnviroScience, LLC

www.fando.com

56 Quarry Road, Trumbull, CT 066611

041500969

Phone (203) 374-3748 Fax (203) 374-4391

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Sheet 2 of 2

Project Name: Lothrop - Storm Sandy Rehab Project No. 20140370.C8E Date: 1/13/2015  
Site Address: 20 Cooper Avenue, Milford, CT Building Name: 20 Cooper Avenue Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0113BH-08A	1st Floor	Chimney Concrete Block Grout
0113BH-08B	1st Floor	Chimney Concrete Block Grout
0113BH-09A	Exterior	Concrete Block Foundation
0113BH-09B	Exterior	Concrete Block Foundation
0113BH-10A	Exterior	Concrete Block Foundation Grout
0113BH-10B	Exterior	Concrete Block Foundation Grout
0113BH-11A	Exterior	Exterior Skim Coat Over Concrete Block Foundation
0113BH-11B	Exterior	Exterior Skim Coat Over Concrete Block Foundation
0113BH-11C	Exterior	Exterior Skim Coat Over Concrete Block Foundation

15 JAN 14 AM 11:35  
ENVIRONMENTAL SCIENCE  
EMSL

Analysis Method:  PLM  TEM  Other \_\_\_\_\_ Turnaround Time: 48 hours

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748

Email Results to: kmccarthy@fando.com  
FAX Results to: 888-838-1160

Do Not Mail Hard Copy Report. Total # of Samples: 24

Special Instructions. Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group samples are all negative by PLM, analyze only "A" group sample (as noted by asterisk [\*] above) by TEM NOB, per group.

Samples collected by: B. Hobbs BH Date: 1/13/15 Time: \_\_\_\_\_

Samples Sent by: B. Hobbs BH Date: 1/13/15 Time: \_\_\_\_\_

Samples Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped To:  EMSL State NJ  Other \_\_\_\_\_

Method of Shipment:  FedEx  Lab Drop Off  Other \_\_\_\_\_

F:\P2014\0370\C8E\Lab Data\CXC\_BH\_113-15.docx



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200 Route 130 North, Cinnaminson, NJ 08077  
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EMSL Order: 041501106  
 CustomerID: ENV154A  
 CustomerPO: 20140370.C8E  
 ProjectID:

Attn: **Kevin McCarthy**  
**Fuss & O'Neill EnviroScience, LLC**  
**56 Quarry Road**  
**Trumbull, CT 06611**

Phone: (203) 374-3748  
 Fax: (203) 374-4391  
 Received: 01/15/15 9:30 AM  
 Analysis Date: 1/16/2015  
 Collected: 1/13/2015

Project: **Lothrop - Storm Sandy Rehab / 20 Cooper Avenue, Milford, CT / 20140370.C8E**

**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
0113BH-12A 041501106-0001	Crawl Space - Paper Backing on Fiberglass Insulation	Brown/Black Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
0113BH-12B 041501106-0002	Crawl Space - Paper Backing on Fiberglass Insulation	Tan Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected

Analyst(s)

Heather Paulson (1)  
 Patrick Carr (1)

*Stephen Siegel*  
 Stephen Siegel, CIH, Laboratory Manager  
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIAA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 01/16/2015 16:26:42





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

**EMSL Order:** 041614316  
**Customer ID:** ENVI54  
**Customer PO:** 20140370.C8E  
**Project ID:**

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

**Phone:** (203) 641-2782  
**Fax:** (888) 838-1160  
**Received Date:** 05/28/2016 9:45 AM  
**Analysis Date:** 06/01/2016  
**Collected Date:** 05/27/2016

**Project:** Storm Sandy Residential Rehab - 20 Cooper Ave / 20140370.C8E / 20 Cooper Ave, 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
0526BH01A <small>041614316-0001</small>	2nd Floor - Remnant Black Glue on Wood Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0526BH01B <small>041614316-0002</small>	2nd Floor - Remnant Black Glue on Wood Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0526BH02A <small>041614316-0003</small>	Exterior - Black Vapor Barrier Paper at Exterior Window	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
0526BH02B <small>041614316-0004</small>	Exterior - Black Vapor Barrier Paper at Exterior Window	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
0526BH03A <small>041614316-0005</small>	Exterior - Black Vapor Barrier Paper Behind Wood Siding	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
0526BH03B <small>041614316-0006</small>	Exterior - Black Vapor Barrier Paper Behind Wood Siding	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
0526BH04A <small>041614316-0007</small>	Exterior - Roof - Top Lasyer Asphalt Roof Shingle	White/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
0526BH04B <small>041614316-0008</small>	Exterior - Roof - Top Lasyer Asphalt Roof Shingle	White/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
0526BH05A <small>041614316-0009</small>	Exterior - Roof - Bottom Layer Asphalt Roof Shingle	White/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
0526BH05B <small>041614316-0010</small>	Exterior - Roof - Bottom Layer Asphalt Roof Shingle	White/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
0526BH06A <small>041614316-0011</small>	Exterior - Roof - Black Base Sheet	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
0526BH06B <small>041614316-0012</small>	Exterior - Roof - Black Base Sheet	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected



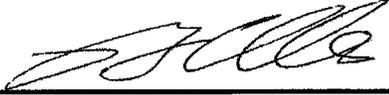
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<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

**EMSL Order: 041614316**  
**Customer ID: ENVI54**  
**Customer PO: 20140370.C8E**  
**Project ID:**

Analyst(s)

*Daniel Fricker (7)*  
*Edward Zambrano (5)*

  
Benjamin Ellis, Laboratory Manager  
or Other Approved Signatory

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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: 06/01/2016 15:35:43

OrderID: 041614316

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041614316

56 Quarry Road, Trumbull, CT 06611

Phone (203) 374-3748 Fax (203) 374-4391

**ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM**

Sheet 1 of 1

Project Name: Storm Sandy Residential Rehab-20 Cooper Ave Project No. 20140370.C8E Date: May 27, 2016

Site Address: 20 Cooper Ave, Milford, CT Building: 20 Cooper Ave Project Manager: Kevin McCarthy

Sample ID	Sample Location	Type of Material
0526BH01A	2 <sup>nd</sup> Floor	Remnant Black Glue on Wood Flooring
0526BH01B	2 <sup>nd</sup> Floor	Remnant Black Glue on Wood Flooring
0526BH02A	Exterior	Black Vapor Barrier Paper at Exterior Window
0526BH02B	Exterior	Black Vapor Barrier Paper at Exterior Window
0526BH03A	Exterior	Black Vapor Barrier Paper behind Wood Siding
0526BH03B	Exterior	Black Vapor Barrier Paper behind Wood Siding
0526BH04A	Exterior - Roof	Top Layer Asphalt Roof Shingle
0526BH04B	Exterior - Roof	Top Layer Asphalt Roof Shingle
0526BH05A	Exterior - Roof	Bottom Layer Asphalt Roof Shingle
0526BH05B	Exterior - Roof	Bottom Layer Asphalt Roof Shingle
0526BH06A	Exterior - Roof	Black Base Sheet
0526BH06B	Exterior - Roof	Black Base Sheet

Analysis Method:  PLM  TEM  Other \_\_\_\_\_ Turnaround Time: 48 day

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: \_\_\_\_\_ Please call EnviroScience if analyses will not be completed for requested TAT at (203) 374 - 3748.

Email Results to: kmccarthy@fando.com Do Not Mail Hard Copy Report. Total # of Samples: 12  
 FAX Results to: 888-838-1160.

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count

Samples collected by: B. Hobbins *BH* Date: 5-26-16 Time: \_\_\_\_\_

Samples Sent by: B. Hobbins *BH* Date: 5-27-16 Time: \_\_\_\_\_

Samples Received by: BC Date: 5/28/16 Time: 9:15 AM

Shipped To:  EMSL State NJ  Other \_\_\_\_\_

Method of Shipment:  FedEx  Lab Drop Off  Other \_\_\_\_\_

RECEIVED  
 ENVIRONMENTAL  
 MAY 28 10:13 AM '16

## Appendix C

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### 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: 3241R  
 Date of Inspection: January 13, 2015 Project Number: 20140370.C8E

#### Property Information

Building Address: 20 Cooper Avenue  
 (Street)  
Milford CT Age of Property: NA  
 (City) (State)  
 Describe Structure: interior sheetrock walls/ceilings with wood/vinyl windows and doors and wood floors.  
Exterior is wood siding and concrete foundation.

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

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

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)? \_\_\_\_\_

#### XRF Calibration Check

Calibration Paint Film Used:  NIST 1.02 mg/cm<sup>2</sup>  Manufacturer's Standard 1.0 mg/cm<sup>2</sup>  
 Calibration Check Limits Used:  RMD (0.7 to 1.3 mg/cm<sup>2</sup> inclusive)  
 Scitec MAP4 (0.6 to 1.2 mg/cm<sup>2</sup> inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	1000	1.1	1.0	1.2	1.10
Second Check	1145	1.0	1.1	1.0	1.03
Third Check	1230	1.1	1.2	1.2	1.16
Fourth Check					



FUSS & O'NEILL

Prepared By

Date

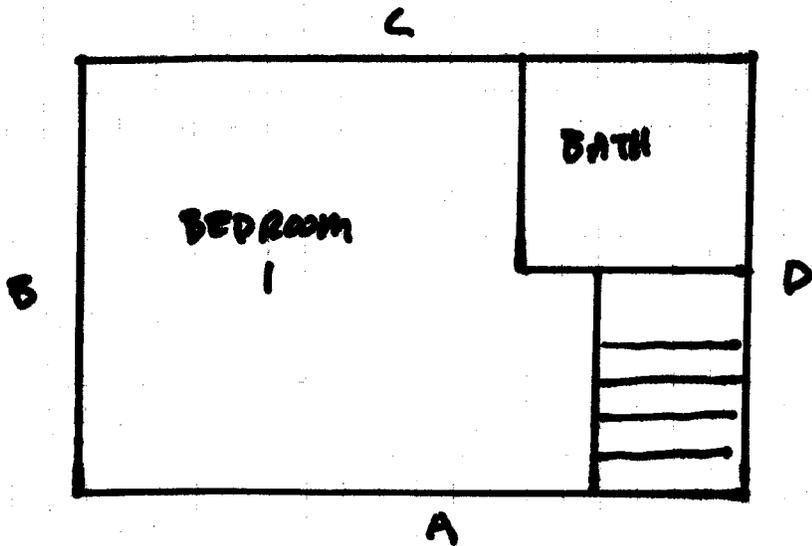
Checked By

Date

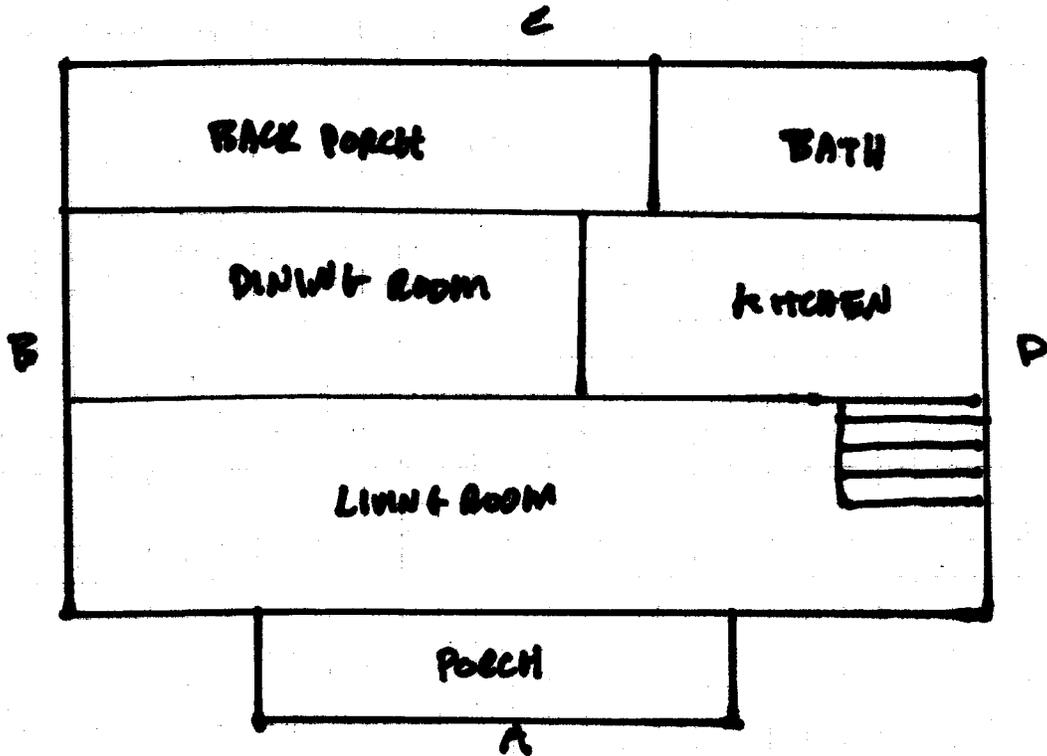
Project No

Sheet No  
of

### 2nd FLOOR



### 1ST FLOOR



GOOPER AVENUE



**XRF FIELD DATA SHEET - INTERIOR ROOM**

Address: 20 Cooper Ave, Milford, CT  
 Floor: 2nd Room: Bedroom 1  
 Project Name: Lothrop-Sandy Rehab Project Number: \_\_\_\_\_  
 Project Manager: K. McCarthy (If Positive - Check All That Apply)

Apt. #: \_\_\_\_\_  
 Page 1 of 11  
 20140370.C8E

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	-0.1		W	WHT.					
A	Wall	-0.3		SR	WHT.					
B	Wall	-0.4								
C	Wall	0.1								
D	Wall	-0.0								
	Chair rail									
	Ceiling	-0.2		SR	WHT.					
	Crown Molding									
	Door	-0.4		W	WHT.					
	Casing	-0.2								
	Jamb	-0.0								
	Door									
	Casing									
	Jamb									
	Window Trim	-0.1		W	WHT.					
	Sill									
	Sash	-0.2								
	Well	0.1		V						
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
	POST	0.1		W	WHT.					

\* 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: 20 Cooper Ave, Milford, CT  
 Floor: 2nd Room: Bath  
 Project Name: Lothrop-Sandy Rehab Project Number: \_\_\_\_\_  
 Project Manager: K. McCarthy (If Positive - Check All That Apply)

Apt. #: \_\_\_\_\_  
 Page 2 of 11  
 20140370.C8E

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Floor									
	Baseboards	-0.1		W	WHT.					
A	Wall	-0.3		SR	WHT.					
B	Wall	-0.1								<u>SPRINKLER</u>
C	Wall	-0.1								
D	Wall	-0.3								metal -0.1 W WHT
	Chair rail									smoke 0.0
	Ceiling									MSR -0.2
	Crown Molding									D wall -0.3 W WHT.
	Door	-0.3		W	WHT.					
	Casing	-0.1								
	Jamb	-0.6								
	Door									
	Casing									
	Jamb									
	Window Trim	-0.1		W	WHT.					
	Sill	0.6								
	Sash	-0.3								
	Well									
	Cabinet Base									
	Door Exterior									
	Door Interior									
	Walls									
	Shelves									
	Shelf Supports									
	Closet Shelf									
	Shelf Supports									
	Radiator									
	Wall Molding									
	p.p.e	-0.0		m	WHT.					

\* 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: \_\_\_\_\_













**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 A**

Address: 20 Cooper Ave, Milford, CT Page 8 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	Grey					
	Skirt Board									
	Corner Boards									
	Siding	0.3		W	Grey					
	Upper Trim	0.3		W	Wht					
	Door	-0.1		m	Red					
	Casing	-0.1		W	Wht					
	Jamb	0.1		W	Wht					
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	0.1		W	Wht					Screen
	Trim	0.2		I	I					I
	Sash	-0.2								
	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									



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**XRF FIELD DATA SHEET - EXTERIOR OF SIDE B**

Address: 20 Cooper Ave, Milford, CT Page 9 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.3		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	-0.0		W	grey					
	Upper Trim									
	Door									
	Casing									
	Jamb									
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	NC								
	Trim	NC								
	Sash	-0.1		W	white					
	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									



**XRF FIELD DATA SHEET - EXTERIOR OF SIDE C**

Address: 20 Cooper Ave, Milford, CT Page 10 of 11

Project Name: Lothrop Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	-0.1		W	grey					
	Upper Trim	-0.5		W	white					
	Door	-0.4		W	white					
	Casing	-0.0		I	I					
	Jamb	-0.0								
	Threshold									
	Kick Board									
	Storm Door									
	Window Sill	MC								
	Trim									
	Sash									
	Blind Steps									
	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									



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**XRF FIELD DATA SHEET - EXTERIOR OF SIDE D**

Address: 20 Cooper Ave, Milford, CT Page 11 of 11

Project Name: Lothrop-Storm Sandy Rehab Project Number: 20140370.C8E

Project Manager: K. McCarthy

(If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Color	Defective	Chewable	Friction	Impact	Comments
	Foundation	0.4		C	grey					
	Skirt Board									
	Corner Boards									
	Siding	0.1		W	grey					
	Upper Trim									
	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									
	Railing Cap									
	Ceiling									
	Lattice									
	Lattice Frame									
	Support Columns									
	Column Base									
	Brackets									
	Hand Rails									
	Treads									
	Risers									
	Stringers									

## Appendix D

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### Lead TCLP Laboratory Analytical Report and Chain-of-Custody Form





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**  
June 03, 2016

FOR: Attn: Mr. Kevin McCarthy  
Fuss & O'Neill, Incorporated  
145 Hartford Rd.  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&OENVIR  
Rush Request: 48 Hour  
P.O.#: 20140370.C8E

Custody Information

Collected by: BH  
Received by: LB  
Analyzed by: see "By" below

Date                      Time

05/26/16  
05/31/16                      15:00

Laboratory Data

SDG ID: GBN43511  
Phoenix ID: BN43511

Project ID: STORM SANDY RESIDENTIAL REHAB  
Client ID: 2016052684-01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Lead	< 0.10	0.10	mg/L	1	06/01/16	EK	SW6010C
TCLP Metals Digestion	Completed				06/01/16	WW	SW3005A
TCLP Extraction for Metals	Completed				05/31/16	W	SW1311

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director  
June 03, 2016

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**QA/QC Report**

June 03, 2016

QA/QC Data

SDG I.D.: GBN43511

Parameter	Blank	Bik RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 347381 (mg/L), QC Sample No: BN43511 (BN43511)													
<b>ICP Metals - TCLP Extraction</b>													
Lead	BRL	0.10	<0.10	<0.10	NC	106			108			75 - 125	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

Phyllis Shiller, Laboratory Director  
 June 03, 2016

# Sample Criteria Exceedences Report

GBN43511 - FOENVIR

Friday, June 03, 2016

Criteria: None

State: CT

SampNo    Acode    Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Incorporated

**Project Location:** STORM SANDY RESIDENTIAL R **Project Number:**

**Laboratory Sample ID(s):** BN43511

**Sampling Date(s):** 5/26/2016

**RCP Methods Used:**

1311/1312     6010     7000     7196     7470/7471     8081     EPH     TO15  
 8082     8151     8260     8270     ETPH     9010/9012     VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, June 03, 2016

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 03, 2016

SDG I.D.: GBN43511

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### **SDG Comments**

BN43511 - The following analytes from the 6010 RCP Metals list were not reported: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc.

---

### **ICP Metals Narration**

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

#### **Instrument:**

ARCOS 06/01/16 00:06 Emily Kolominskaya, Chemist 06/01/16  
BN43511

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

#### **QC (Batch Specific):**

Batch 347381 (BN43511)

BN43511

All LCS recoveries were within 75 - 125 with the following exceptions: None.

---

### **Temperature Narration**

The samples were received at 3C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)

