Civil Engineering | Land Surveying | Environmental Sciences

Environmental Review Record
and
Statutory Checklist

Residence of Gloria Silvia
45 Second Avenue
East Haven, CT

NEPA Compliance Document
Prepared Pursuant to 24 CFR Part 58

January 20, 2015

Prepared for:
State of Connecticut
Department of Housing
and
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Appendices

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 45 second Avenue in East Haven, 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 41.2468 Latitude and -72.8673 Longitude. The building is located on the west side of Second Avenue Road between Cosey Beach Avenue and Center Avenue and was constructed in 1911. 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)
- Relocation of the residence's heating system and hot water system
- Removal and replacement of water damaged carpeting
- Remove and replace existing stone and mortar fireplace
- Remove and replace storm door at the front of the residence

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 and improvements, the unit density and land use will not change, and the estimated cost of rehabilitation is less than 75 percent of the total estimated cost of replacement after rehabilitation, the project is categorically excluded under 24 CRF 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 Agency(ies) 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 East Haven – Engineering Department

The Town of East Haven's Engineering Department was consulted in regards to inland wetlands, coastal zone management and local zoning approvals. According to Mr. Jerry Tramontaro, 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 from April 9, 2014 through May 5, 2014. 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:

- Wood Window Trim – Exterior Windows
- Basement Wood Window Trim – Exterior Basement Windows
- Upper Wood Trim – Exterior
- Wood Soffit – Exterior
- Interior Wood Window Trim – Room 2
- Interior Wood Siding – Room 3
- Wood Door Trim – Room 3
- Wood Window Sash – Room 5

- Wood Stair Baluster – Room 6 Stairway
- Wood Stair Stringer – Room 6 Stairway
- Wood Column – Rooms 2 and 6
- Wood Floor Landing – Room 6 Stairway
- Wood Window Trim – Room 6 Stairway
- Wood Window Sash – Room 6 Stairway
- Wood Window Trim – Room 7
- Wood Window Sill – Room 7
- Wood Window Sash – Room 7
- Wood Door Trim – Room 7
- Wood Door Jamb – Room 7
- Wood Window Trim – Room 8
- Wood Window Sash – Room 8
- Wood Window Sill – Room 8
- Wood Door Jamb – Closet in Room 8

The defective LBP must be abated by a CTDPH-licensed Lead Abatement Contractor. If these building components will be disturbed during renovations, a Toxicity Characteristic Leaching Procedure (TCLP) sample that is representative of the anticipated waste stream should be collected and analyzed to determine waste disposal options.

Rehabilitation/renovation/repair activities that disturb any of these areas will be subject to the requirements of 40 CFR 745.80 through 745.92 (EPA's Lead Renovation, Repair and Painting Rule). Work practice standards within the EPA's Lead Renovation, Repair and Painting Rule that are specific to this project include covering the ground with plastic sheeting or other disposable impermeable material extending 10 feet beyond the perimeter of surfaces undergoing renovation or a sufficient distance to collect falling paint debris, whichever is greater, unless the property line prevents 10 feet of such ground covering. Ground containment measures may stop at the edge of the vertical barrier when using a vertical containment system.

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 from a floor, window sill, and window well in each room of the site structure. The following wipe standards for lead in dust have been established by CTDPH: Floors – 40 ug/ft2, Window Sills – 250 ug/ft2, and Window Wells – 400 ug/ft2. The following dust wipe representative samples had results above the CTDPH standard and indicated a lead dust hazard:

- Room 2 Window Sill
- Room 3 Floor
- Room 5 Window Sill
- Room 5 Window Well
- Room 6 Window Sill
- Room 6 Window Well
- Room 7 Window Sill
- Room 7 Window Well

- Room 8 Window Well
- Room 9 Window Well

Lead in dust hazards on the floors, windowsills, and window wells must be abated by a CTDPH licensed Lead Abatement Contractor.

4.3.3 Lead in Soil

A representative composite soil sample of bare soil identified was collected along the exterior drip line of the site structure to evaluate whether a lead in soil hazard exists. Results indicated that the soil sample had a concentration of lead that exceeded the CTDPH standard of 400 mg/kg.

Impermanent surface coverings may be used to treat lead in soil hazards. Examples of acceptable impermanent coverings include gravel, bark, sod, and artificial turf.

4.4 Asbestos

An asbestos inspection was performed at the property by Fuss & O'Neill on April 9, 2014. 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 April 9, 2014 through April 11, 2014, 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 radon gas concentrations in the samples collected during the assessment ranged from 0.3 pCi/L to 0.4 pCi/L.; which are below the EPA recommended action guideline of 4.0 pCi/L.

4.6 Mold

On April 9, 2014 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 Maps, CTDEEP, accessed at
http://www.ct.gov/deep/lib/deep/environmental_justice/maps/east_haven.pdf

Endangered Species Maps, CTDEEP, accessed at
http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbsel=44

Environmental Data Resource Report, *EDR Radius Map with GeoCheck,* March 20, 2014

Environmental Data Resource Report, NEPA*Check,* March 20, 2014

Flood Insurance Rate Map, Map Number 09009C0576J

Google Earth, accessed on March 20, 2014

Sole Source Aquifer Map, EPA, accessed at EPA Region 1
http://www.epa.gov/region1/eco/drinkwater/pc_solesource_aquifer.html

Town of East Haven Assessor Card, accessed at http://www.equalitycama.com

Town of East Haven Building Department

Town of East Haven Coastal Area Management Program

Zoning Regulations of the Town of East Haven

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 Gloria Silvia - 45 Second Avenue, East Haven, CT

ERR FILE # Application Number 2339

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 to be submitted to SHPO 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 include rising of existing building 2-feet above BFE. Mitigation activities to be included in construction scope of work.**	**NFIP FIRM Map 09009C0576J** **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. Site in AE flood plain, but not within 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.**	**Site is not located within a wetland. USGS Wetland map, EDR NEPACheck 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 East Haven Coastal Area Management Program.** **http://cteco.uconn.edu/map_catalog/maps/town/Coastal_Boundary/cstlbnd_EAST_HAVEN.pdf** **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 http://www.epa.gov/region1/eco/drinkwater/pc_solesource_aquifer.html** **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.**	**http://www.depdata.ct.gov/naturalresources/endangeredspecies/nddbpdfs.asp?nddbsel=44** **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 http://www.rivers.gov/maps/conus.php**
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 rehabilitation with no anticipated quantifiable increase in air pollution.**	**http://www.epa.gov/region1/topics/air/sips/sips_ct.html**
9. 58.5(h) Farmland Protection [7 CFR 658]	**A**		**Project does not include land conversion, new construction or site clearance. Property does not include prime or unique farmland.**	**http://websoilsurvey.sc.egov.usda.gov**
10. 58.5(i)(1) Noise Control and Abatement [24 CFR 51B]	**A**		**Project is not new construction or conversion and existing usage of the building will not change. Project is not located within the 65 decibel zone of Tweed Airport.**	**Tweed New Haven Airport Master Plan**
11. 58.5 (i) (1) Explosive and Flammable Operations [24 CFR 51C]	**A**		**Mitigation efforts 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**		**Repairs to the building will not result in an increase to residential density of the property nor is the property located within an airport clear zone.**	**Tweed-New Haven Airport Runway Protection Zone maps are attached**
13. 58.5(i)(2)(i-iv) Contamination and Toxic Substances [24 CFR 58.5(i)(2)]	**A**		**The identified potential sources do not pose a hazard that will restrict the intended use of the property**	**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 project is not located in predominantly minority and low income census block area according to EJ Mapping. The project will not create high and adverse human health and environmental effects.**	**http://www.ct.gov/deep/lib/deep/environmental_justice/maps/east_haven.pdf** **A copy of the map depicting the site location is attached**
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**		**Town of East Haven does not contain any coastal barrier resources**	**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 pre storm building footprint. Town of East Haven provides weekly curbside pickup of refuse for all 1 to 3 family homes**	**http://www.townofeasthavenct.org/public_refuse.shtml**
16 B. Fish and Wildlife [U.S.C. 661-666c]	**A**		**Project will not involve the impounding, diverting, channelizing or modification of any steam 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 on the interior and exterior of the residence during inspection. Defective LBP must be abated by at CTDPH licensed lead abatement contractor. Any LBP disturbed during renovation should be TCLP sampled and analyzed to determine waste disposal. Lead in dust and soil were also identified. Lead in dust hazards on surfaces of the house must be abated by a CTDPH licensed lead abatement contractor. Lead in soil hazards should be properly mitigated.**	**Limited Hazardous Materials Inspection Report. A copy of the report is attached.**
16 D. Asbestos	**A**		**No asbestos containing materials were identified on the property**	**Limited Hazardous Materials Inspection Report. A copy of the report is attached.**
16 E. Radon [50.3 (i) 1]	**A**		**Radon was not identified within living spaces at concentration exceeding EPA recommended guidelines**	**Limited Hazardous Materials Inspection Report. A copy of the report is attached.**

16 F. Mold	**A**		**No visible signs of mold were noted during the time of inspection**	**Limited Hazardous Materials Inspection Report. A copy of the report is attached.**
Other: State or Local 17 A. Flood Management Certification [CGS 25-68]		**B**	**Property within an AE Flood Zone. Certification though the General Permit for CDBG-DR activities with CTDEEP is required**	**FEMA Map 09009C0576J See Appendix C for Certification form and attached application documentation**
17 B. Structures, Dredging & Fill Act [CGS 22a-359 through 22a-363f]	**A**		**Project is not located waterward of coastal jurisdiction line**	**Office of Long Island Sound Programs Coastal Jurisdiction Line Elevations**
17 C. Tidal Wetlands Act [CGS 22a-28 through 22a-35]		**B**	**Project is not located within a tidal wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.**	**USGS Wetland map, CT DEEP Tidal Wetlands Mapping, EDR NEPACheck report and EDR Radius Map**
17 D. Local inland wetlands/watercourses [CGS 22a-42]		**B**	**Project is not located within an inland wetland. Obtaining local wetland approvals, if necessary, will be included within construction Scope of Work.**	**Town of East Haven inland wetlands areas do not differ from DEEP identified wetlands**
17 E. Various Municipal Zoning Approvals		**B**	**Obtaining any local zoning approvals to conduct mitigation efforts will be included within the construction scope of work**	**Zoning Regulations of the town of east haven**

DETERMINATION:

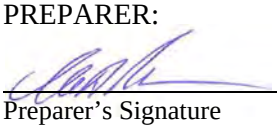
☐ **Box "A" has been checked for <u>all</u> authorities.** For Categorically Excluded actions pursuant to §58.35(a) [Does not apply to EA or EIS level of review which can never convert to Exempt], the project can convert to Exempt, per §58.34(a) (12), since the project does not require any compliance 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 <u>one or more</u> 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

1/20/2015
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)

Worksheet for Preparing 24 CFR §58.5 Statutory Checklist

[Attach to Statutory Checklist]

1. §58.5(a) Historical Properties [36 CFR Part 800]

Historic Properties

a. Does the project include the type of activity that would have the potential to affect historic properties such as acquisition, demolition, disposition, ground disturbance, new construction or rehabilitation?

☒ Yes ☐ No

If Yes, continue.
If No, the project is not the type of activity that has the potential to affect historic properties. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Do the RE and State Historic Preservation Office (SHPO) have a Programmatic Agreement (PA) that does not require consultation for this type of activity?

☐ Yes ☒ No

If Yes, document compliance with the PA. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If No, continue.

c. Is the project located within or directly adjacent to a historic district?

☐ Yes ☒ No

d. Is the structure or surrounding structures listed on or eligible for listing on the National Register of Historic Places (e.g. greater than 45 years old)?

☒ Yes ☐ No

e. Were any properties of historical, architectural, religious or cultural significance identified in the project's Area of Potential Effect (APE)?

☐ Yes ☒ No

If Yes to any of the questions above, continue.
If No to all of the questions above, the project will not affect historic properties. A concurrence from the SHPO that "no historic properties will be affected" is required. Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

f. Have you consulted with the SHPO to determine whether the project will have "No Adverse Effect on Historic Properties?"

☒ Yes ☐ No

If Yes, continue.

If No, consultation with the SHPO is required.

g. Does the SHPO concurrence letter received for this project require mitigation or have conditions?

☐ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

h. Have the SHPO and RE agreed on required mitigation or conditions?

☐ Yes ☐ No

If Yes, include mitigation requirements and/or conditions from the SHPO in the mitigation section of the Statutory Checklist. Mark box "B" on the Statutory Checklist for this authority.
If No, continue with consultation until resolved.

Historic properties of religious and cultural significance to tribes and Native Hawaiian organizations

i. Does the project include the types of activities such as those listed below that have the potential to affect historic properties of religious and cultural significance to tribes?

- Ground disturbance (digging);
- New construction in undeveloped natural areas;
- Incongruent visual changes – impairment of the vista or viewshed from an observation point in the natural landscape;
- Incongruent audible changes – increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience;
- Incongruent atmospheric changes – introduction of lights that create skyglow in an area with a dark night sky;
- Work on a building with significant tribal association;
- Transfer, lease or sale of a historic property of religious and cultural significance.

☐ Yes ☒ No

If Yes, continue.
If No, tribal consultation is not required.

j. Does HUD's Tribal Directory Assessment Tool indicate that tribes have an interest in the location where the project is sited? (http://egis.hud.gov/tdat/Tribal.aspx)

☐ Yes ☐ No

If Yes, contact federally recognized tribe(s) and invite consultation. Continue.
If No, document the result in the ERR. Tribal consultation is not required.

k. Did the tribe(s) respond that they want to be a consulting party?
☐ Yes ☐ No

If Yes, continue.
If No, (no response within 30 days or responded that they do not wish to consult), document response or lack of response in ERR. Further consultation is not required.

l. After consulting with the tribe(s) and discussing the project, were any properties of religious or cultural significance to the tribe(s) identified in the project's APE?
☐ Yes ☐ No

If Yes, continue.
If No, notify tribe(s) and other consulting parties of your finding of "No Historic Properties Affected." Tribe(s) has 30 days to object to a finding.

m. After consulting with the tribe(s), will the project have an adverse effect on properties of religious or cultural significance to the tribe(s)?
☐ Yes ☐ No

If Yes, consult with tribe(s) and other consulting parties to resolve adverse effects, including considering alternatives and mitigation measures that would avoid or minimize adverse effects.
If No, notify tribe(s) and other consulting parties of your finding of "No Adverse Effects." Tribe(s) has 30 days to object to a finding.

n. Were any objections to a finding received from a consulting tribe?
☐ Yes ☐ No

If Yes, continue with consultation until resolved.
If No, consultation is complete.

Comments:

Cite and attach source documentation: (Correspondence with SHPO/THPO. How determination of "no potential to cause effects" to historic properties was made.)
Information Resources:
National Register of Historic Places:
http://nrhp.focus.nps.gov/natreghome.do?searchtype=natreghome
National Conference of State Historic Preservation Officers:
http://ncshpo.org/
Map of Currently Recognized THPO's:
http://www.nathpo.org/map.html
Section 106 Agreements Database:
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/section106

2. §58.5(b) (1) Floodplain Management [24 CFR Part 55]

a. Does the project involved minor repairs or improvements on one to four family properties that do not meet the threshold for "substantial improvement" of §55.2(b)(8), i.e., the cost does not equal or exceed 50% of the market value of the structure before improvement or repair started, before damage occurred.

☒ Yes ☐ No

If Yes, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If No, continue.

b. Is the project located within (or have an impact on) a 100 year floodplain (Zone A) or Coastal High Hazard (Zone V) identified by FEMA maps?
☒ Yes ☐ No

c. Does the project involve a "critical action," per §55.2(b) (2) (i), located within a 500 year floodplain (Zone B) identified by FEMA maps?
☐ Yes ☒ No

If Yes to (b) or (c), follow HUD's Floodplain Management Regulations 8-Step decision-making process of §55.20 to comply with 24 CFR Part 55. The 8-Step decision-making process must show that there are no practicable alternatives to locating the project in the floodplain, and if there are no alternatives, define measures to mitigate impacts to floodplains and location of the project in the floodplain. Completion of the 8-Step decision-making process must be completed before the completion of an EA per §55.10(a). See Attachment 2 for an example of the 8-Step decision-making process. The 8-step decision-making process must be included in the ERR and summarized in Part 55 and Part 58 public notices, as well as NOI/RROF and FONSI notices. Mark box "B" on the Statutory Checklist for this authority.
If No to (b) and (c), compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

d. Does the project involve a critical action in a coastal high hazard area or a floodway?
☐ Yes ☒ No

If, Yes, HUD assistance may not be used for this project.

e. Does the project involve a non-critical action which is not a functionally dependent use that is located in a floodway?
☐ Yes ☒ No
If Yes, HUD assistance may not be used for this project

f. Does the project involve a non-critical action which is not a functionally dependent use that is located in a coastal high hazard area?
☐ Yes ☐ No

If Yes, project is allowed ***only*** if it is designed for a location in a coastal high hazard area ***and*** is processed under Section 55.20. Design requirements must be noted in Statutory Checklist and 8-Step decision-making process.

Comments:

Cite and attach source documentation: (FEMA flood map used to make this finding with the project location marked on the map. Include the community name, map panel number and date of map. As applicable, §55.20 8-Step decision-making process analysis. If FEMA has not published the appropriate flood map, the RE must make a finding based on best available data.)

For more information see:
FEMA Map Service Center:
http://www.store.msc.fema.gov

3. §58.5(b) (2) Wetlands Protection (E.O. 11990)

a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?
☒ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the project within or adjacent to or will it affect wetlands, marshes, wet meadows, mud flats or natural ponds per field observation and maps issued by the US Fish & Wildlife Service (USFWS) or U.S. Army Corps of Engineers (Corps)?
☐ Yes ☒ No

c. Are there drainage ways, streams, rivers, or coastlines on or near the site?
☐ Yes ☒ No

d. Are there ponds, marshes, bogs, swamps or other wetlands on or near the site?
☐ Yes ☒ No

e. Does the project involve new construction and/or filling located within a wetland designated on a USFWS National Wetlands Inventory map?
☐ Yes ☒ No

If Yes to any of b – e above, comply with wetlands decision-making process of 24 CFR §55.20. (Use proposed Part 55 published in the Federal Register January 2012 for wetland procedures). Continue.
If No to all of b - e above, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

f. Will the project require a permit from the Corps under Section 404 of the Clean Water Act and/or will USFWS require wetland mitigation?

☐ Yes ☐ No

If Yes, ensure this is noted in Part 55 and Part 58 public notices. Include all mitigation measures and permit requirements in the mitigation section of the Statutory Checklist. Compliance with this section is complete. Mark box "B" on the Statutory Checklist for this authority.

If No, compliance with this section is complete. Mark box "B" on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (NWI Map with project location noted in reference to wetlands. §55.20 8/5-Step decision-making process analysis for new construction and/or filling, and any permits received.)

For more information see:
USFWS National Wetlands Inventory – Geospatial Wetlands Digital Data:
http://www.FWS.gov/wetlands/data/index.html
Recognizing wetlands:
http://www.usace.army.mil/Portals/2/docs/civilworks/regulatory/techbio/rw_bro.pdf

4. §58.5(c) Coastal Zone Management [Coastal Zone Management Act of 1972, Sections 307(c) & (d)]

a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?

☒ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the project located within a Coastal Zone as defined in your state Coastal Zone Management (CZM) Plan?

☒ Yes ☐ No

If Yes, the State CZM Agency must make a finding that the project is consistent with the approved State CZM Plan. Mark box "B" on the Statutory Checklist for this authority.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Map showing project in relation to the nearest Coastal Zone Management area. If applicable, State's findings.)

For additional information see:

States and Territories Working with NOAA on Ocean and Coastal Zone Management:
http://coastalmanagement.noaa.gov/mystate/welcome.html
Texas Coastal Zone Management Program:
http://www.glo.texas.gov/what-we-do/caring-for-the-coast/grants-funding/cmp/index.html
Texas Coastal Zone Boundary:
http://www.glo.texas.gov/what-we-do/caring-for-the-coast/_documents/landing-page-folder/CoastalBoundaryMap.pdf
Louisiana Office of Coastal Management:
http://dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=85&ngid=5
Louisiana Coastal Zone Boundary:
http://dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=88

5. §58.5(d). Sole Source Aquifers [40 CFR Part 149]

a. Does the project involve new construction or land use conversion?
☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the project located within a U.S. Environmental Protection Agency (EPA)-designated sole source aquifer watershed area per EPA Ground Water Office?
☐ Yes ☐ No

If Yes, consult with the Water Management Division of EPA to design mitigation measures to avoid contaminating the aquifer and implement appropriate mitigation measures. Include mitigation measures in mitigation section of Statutory Checklist. Mark box "B" on the Statutory Checklist for this authority.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Map showing project in relation to the nearest Sole Source Aquifer.)

For more information see:
Region 6 Sole Source Aquifers: http://www.epa.gov/region6/water/swp/ssa/maps.htm

6. §58.5(e) Endangered Species [50 CFR Part 402]

a. Does the project involve the type of activities that are likely to have "no effect on endangered species, such as:

- Demolition and construction or placement of a single family residence within a developed lot, and/or any loans or mortgages affiliated with such construction, demolition or placement provided they are not within 750 feet of habitat for federally-listed species or 300 feet of mapped wetlands, wildlife refuges, fish hatcheries, wildlife management areas, or related significant fish and wildlife resources?

☐ Yes ☒ No

- Rehabilitation or renovation activities associated with existing structures (*e.g.*, houses, buildings), including additional structures attached to or associated with the primary structure, and/or any loans or mortgages affiliated with such rehabilitation or renovation?

☒ Yes ☐ No

- Acquisition of existing structures (*e.g.*, houses, buildings), including additional structures attached to or associated with the primary structure, and/or any loans or mortgages affiliated with such acquisition.

☐ Yes ☒ No

- Purchase and placement of playground equipment within existing parks?

☐ Yes ☒ No

- Resurfacing, repairing, or maintaining existing streets, sidewalks, curbs, trails, parking lots and/or any other existing paved surfaces where additional ground disturbance, outside of the existing surface is not necessary?

☐ Yes ☒ No

If Yes to any of the above, the project is likely to have "No Effect" on federally protected species and critical habitat. Informal consultation with the US Fish and Wildlife Service or the National Marine Fisheries Service (Services) is not necessary. The RE is required to make this finding and include a memorandum to the file supporting the finding (note that this finding should be made by the RE, and not by third party contractors and non-RE grant recipients). Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If No to all of the above, continue.

b. Has the US Fish and Wildlife Service or the National Marine Fisheries Services identified listed species or designated critical habitat in the county where the project is located?

☐ Yes ☐ No

If Yes, continue.
If No, the project is likely to have "No Effect" on federally protected species and critical habitat. Informal consultation with the Services is not necessary. The RE is required to make this finding and include a memorandum to the file supporting the finding (note that this finding should be made by the RE, and not by third party contractors). Compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

c. Is the project located within 750 feet of habitat for federally-listed species or 300 feet of mapped wetlands, wildlife refuges, fish hatcheries, wildlife management areas, or related significant fish and wildlife resources?

☐ Yes ☐ No
If Yes, conduct special studies by a qualified professional to determine whether the project may affect the species or habitat to support a May Effect finding.

If No, continue below

d. Does the project constitute a major construction activity (a major Federal action that modifies the physical environment and would normally require the preparation of an EIS)?
☐ Yes ☐ No

If Yes, formal consultation with the Services is required in accordance with procedural regulations contained in 50 CFR Part 402. Mark box "B" on the Statutory Checklist for this authority.
If No, continue.

e. If federally protected species or critical habitat have been identified within the project area, has a special study been conducted by a qualified professional to determine the effects of the project on each species and critical habitat?
☐ Yes ☐ No

If Yes, continue.
If No, a special study should be conducted to determine the effects of the project on federally protected species and critical habitat. Continue.

f. Has the RE made a determination based on professional findings that the project is "Not Likely to Adversely Affect" any federally protected (listed or proposed) threatened or endangered species (i.e., plants or animals, fish, or invertebrates), nor adversely modify critical habitats?
☐ Yes ☐ No

If Yes, Service's concurrence with findings is required. Mark box "B" on the Statutory Checklist for this authority.
If No, continue.

g. Has the RE determined based on professional findings that the project "May Affect" federally protected (listed or proposed) threatened or endangered species (i.e., plants or animals, fish, or invertebrates), or adversely modify critical habitats?
☐ Yes ☐ No

If Yes, formal consultation is required with the Services, in accordance with procedural regulations contained in 50 CFR Part 402, which mandates formal consultation in order to preserve the species. Mark box "B" on the Statutory Checklist for this authority.
If No, contact your FEO for assistance in determining impacts to federally protected species and critical habitat.

Comments:

Cite and attach source documentation: (Memorandum to the file by the RE supporting the finding of "No Effect." Concurrence memo from one or both of the Services for a finding of

"Not Likely to Adversely Affect." Biological Opinion from one or both of the Services for a finding of "May Affect.")

For additional information see: (The Endangered Species Act of 1973 (16 U.S.C. 1531 *et seq.* as amended: particularly Section 7 (b) and (c). 50 CFR 402).
USFWS ESA Species Search:
http://www.FWS.gov/endangered/species/index.html
NMFS ESA Species Search:
http://www.nmfs.noaa.gov/pr/species/esa/
USFWS Critical Habitat Maps:
http://crithab.FWS.gov/
NMFS Critical Habitat Maps:
http://www.nmfs.noaa.gov/pr/species/criticalhabitat.htm
Endangered Species Consultation Handbook:
http://www.nmfs.noaa.gov/pr/pdfs/laws/esa_section7_handbook.pdf

7. §58.5(f) Wild and Scenic Rivers [36 CFR Part 297]

a. Does the project involve new construction, land use conversion, major rehabilitation, or substantial improvements?
☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the project is located within one (1) mile of a designated Wild & Scenic River, or river being studied as a potential component of the Wild & Scenic River system or an inventory river?
☐ Yes ☒ No

If Yes, determination from the National Park Service (NPS) must be obtained, with a finding that the project will not have a direct and adverse effect on the river nor invade or diminish values associated with such rivers. For NRI Rivers, consultation with NPS is recommended to identify and eliminate direct and adverse effects. Mark box "B" on the Statutory Checklist for this authority.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Maps noting project location and showing proximity to protected rivers. Relevant determinations or results of consultation)

For further information see:
National Park Service:
Designated Rivers http://www.rivers.gov/rivers/map.php
Study Rivers http://www.rivers.gov/rivers/study.php

National River Inventory (NRI) listed rivers: http://www.nps.gov/ncrc/programs/rtca/nri/

8. §58.5(g) Air Quality [40 CFR Parts 6, 51, 61 and 93]

a. Does the project involve demolition or renovation of buildings likely to contain asbestos containing materials?

☒ Yes ☐ No

If Yes, ensure the project is in compliance with EPA's Asbestos regulations found at 40 CFR Part 61 (NESHAP) and all State and local regulations. Continue below.
If No, continue.

b. Does the project require and environmental assessment or environmental impact statement?

☐ Yes ☒ No
If Yes, continue.
If No, compliance with CAA State Implementation Plan factor is complete. Mark Box A on the Statutory checklist.

c. Does the project involve five or more dwelling units, acquisition of undeveloped land, a change of land use, demolition, major rehabilitation, or new construction?

☐ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

d. Is the project located in a Non-Attainment area?

☐ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

e. Is the project consistent with the air quality State Implementation Plan (SIP)?

☐ Yes ☐ No

If **Yes**, obtain letter of consistency showing that the project is consistent with the SIP. Compliance is complete. Mark box "B" on the Statutory Checklist for this authority.
If No, continue.

f. Has EPA determined that the proposed activity is one that requires a permit under the SIP?

☐ Yes ☐ No

If Yes, continue.
If No, compliance is complete. Mark box "B" on the Statutory Checklist for this authority.

g. Will project exceed any of the *de minimis* emissions levels of all non-attainment and maintenance level pollutants or exceed the screening level established by the state or air quality management district?

☐ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "B" on the Statutory Checklist for this authority. Attach all documents used to make your determination (See Conformity determination thresholds at 40 CFR 93.153(b) Include engineering/construction assessments of emissions during construction and operating phases).

h. Can project be brought into compliance through mitigation?

☐ Yes ☐ No

If Yes, list mitigation measures required to achieve conformance with SIP in the mitigation section of the Statutory Checklist. Mark box "B" on the Statutory Checklist for this authority.
If No, Federal assistance may not be used at this location.

Comments:

Cite and attach source documentation: (Letter of consistency with SIP, assessment of emissions, air permits received, mitigation measures taken, etc.)

For further information see:
The Green Book Nonattainment Areas for Criteria Pollutants:
http://www.epa.gov/oar/oaqps/greenbk/
Region 6 Air State Implementation Plans:
http://www.epa.gov/region6/6pd/air/pd-l/sip.htm

9. §58.5(h) Farmlands Protection [7 CFR Part 658)]

a. Does the project involve acquisition of undeveloped land, conversion of undeveloped land, new construction or site clearance?

☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is project located in an area committed (zoned) to urban uses?

☐ Yes ☐ No

If Yes, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If No, continue.

c. Does the project site include prime or unique farmland, or other farmland of statewide or local importance as identified by the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) (formerly the Soil Conservation Service?

☐ Yes ☐ No

If Yes, request evaluation of land type from the NRCS using Form AD-1006, and consider the resulting rating in deciding whether to approve the proposal, as well as mitigation measures (including measures to prevent adverse effects on adjacent farmlands). Mark box "B" on the Statutory Checklist for this authority. Include mitigation measures in the mitigation section of the Statutory Checklist.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

Comments:

Cite and attach source documentation: (Zoning map with project location noted. Form AD-1006 from NRCS.)

For additional information see:
NRCS Soil Maps:
http://websoilsurvey.nrcs.usda.gov/app/
Form AD-1006 and instructions:
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf
Farmland Protection Policy Act
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/alphabetical/fppa/?&cid=nrcs143_008275

10. §58.5(i) (1) Noise Abatement and Control [24 CFR Part 51B]

a. Does the project involve a noise sensitive use such as a residential structure, school, hospital, nursing home, library, etc.?

☒ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the project located within:

- 15 miles of a civilian or military airfield with more than 9,000 carrier operations annually;
  ☒ Yes ☐ No

- 1000 feet of a major highway or busy road;

☐ Yes ☒ No

- within 3000 feet of a railroad.
  ☐ Yes ☒ No

If Yes to any the above, complete a noise calculation assessment. Use adopted DNL contours if the noise source is an airport. Continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

c. Do noise calculations or airport noise contour maps indicate noise levels above 65dB (outside)?
☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

d. Do noise calculations or airport noise contour maps indicate noise levels above 75dB (outside)?
☐ Yes ☐ No

If No, for projects in the normally unacceptable zone (65dB – 75dB), noise attenuation measures are strongly encouraged for rehabilitation and required for new construction to reduce noise levels to below 65dB (outside). Mark box "B" on the Statutory Checklist for this authority. List all attenuation measures in the mitigation section of the Statutory Checklist.
If Yes, HUD assistance for the construction of new noise sensitive uses is generally prohibited for projects with unacceptable noise exposure (>75dB). Noise attenuation measures are strongly encouraged for rehabilitation projects with unacceptable noise exposure to reduce noise levels to below 65dB (outside). Mark box "B" on the Statutory Checklist for this authority. List all attenuation measures in the mitigation section of the Statutory Checklist.

Comments:

Cite and attach source documentation: (Maps with project location indicating distance from noise sources. DNL calculations and/or NAG worksheets.)

For more information see:
HUD noise guidebook:
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/training/guidebooks/noise
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/noise
http://www.hud.gov/offices/cpd/environment/dnlcalculator.cfm
http://www.hud.gov/offices/cpd/environment/mitigation.cfm
http://portal.hud.gov/hudstracat/noiseCalcEntry.jsp
FAA:
http://www.faa.gov/airports/planning_capacity/npias/reports/

11. §58.5(i) (1) Explosive and Flammable Operations [24 CFR 51C]

a. Does the project involve development, construction, rehabilitation, modernization or land use conversion of a property intended for residential, institutional, recreational, commercial, or industrial use?

☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Was a field observation performed by a qualified professional which documents there are above ground storage tanks within line of site of the project?

☐ Yes ☐ No

c. Is the project site within 1 mile of current or planned stationary aboveground storage tanks of more than 100 gallon capacity, containing common liquid industrial fuels OR of any capacity, containing hazardous liquids or gases, that are not liquid industrial fuels?

☐ Yes ☐ No

d. Are industrial facilities handling explosive or fire-prone materials such as liquid propane, gasoline or other storage tanks adjacent to or visible from the project site?

☐ Yes ☐ No

If Yes to any of b – d above, use HUD Hazards Guide to calculate an Acceptable Separation Distance to comply with 24 CFR Part 51, Subpart C. Continue.
If No to all of b – d above, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

e. Is the project located at an Acceptable Separation Distance from any above-ground explosive or flammable fuels or chemicals containers as calculated above?

☐ Yes ☐ No

If Yes, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If No, continue.

f. Can mitigation measures, such as construction of a barrier of adequate size and strength, reduce the blast overpressure or thermal radiation hazard to protect the project (per 24 CFR §51.205)?

☐ Yes ☐ No

If Yes, Mark box "B" on the Statutory Checklist for this authority. List all mitigation measures in the mitigation section of the Statutory Checklist.

If No, HUD assistance cannot be used for this project.

Comments:

Cite and attach source documentation: (Maps with project location noted showing distance from explosives and flammable operations. ASD calculations/worksheet.)

For additional information see:
HUD Guidance on Siting Projects near Explosive and Flammable Facilities:
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/explosive

Acceptable Separation Distance Guidebook :
http://portal.hud.gov/hudportal/documents/huddoc?id=HUD-Guidebook.pdf

Barrier Design Guidance for HUD Assisted Project Near Hazardous Facilities:
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/training/guidebooks/hazfacilities

12. §58.5(i) (1) Airport Hazards [24 CFR 51D]

a. Will the project use HUD assistance, subsidy or insurance for construction; land development; community development or redevelopment; substantial modernization and rehabilitation which prolongs the physical or economic life of existing facilities; provide facilities and services which make land available for construction; change the use of a facility; increase the unit density or number of people at the site?

☒ Yes ☐ No

If **Yes,** continue.

If **No,** compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Is the property within 2,500 feet of a civilian airport, the Runway Clear Zone (RCZ)?

☐ Yes ☒ No

c. Is the project is within 15,000 feet of a military airfield, the Clear Zone (CZ) or Accident Potential Zone (APZ)?

☐ Yes ☒ No

If Yes to either of the above questions, request a written finding from the airport operator stating whether or not the project is located in a RCZ, CZ or APZ. Continue.

If No to both of the above questions, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

d. If the project is within 15,000 feet of a military airfield or within 2,500 feet of a civilian airport, did your written confirmation from the airport operator confirm that the project is located in a RCZ, CZ or APZ?

☐ Yes ☐ No

If **Yes,** continue.

If **No,** compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

e. If the project is located in a military airfield APZ, is the project consistent with the Land Use Compatibility Guidelines for Accident Potential Zones (32 CFR Part 256, DOD Instruction 4165.57).

☐ Yes ☐ No

If Yes, attach copy of written assurance from airport operator. Mark box "B" on the Statutory Checklist for this authority.

If No, HUD funds may not be used for this project.

f. If the project is in a RCZ/CZ will the project be frequently used or occupied by people?

☐ Yes ☐ No

If Yes, HUD funds may not be used for this project.

If No, continue.

g. If the project will not frequently be used by people, has the airport operator provided a written statement that there are no plans to purchase the land involved with such facilities as part of an RCZ/CZ acquisition program?

☐ Yes ☐ No

If Yes, attach copy of written assurance from airport operator. Mark box "B" on the Statutory Checklist for this authority.

If No, HUD funds may not be used for this project.

Comments:

Cite and attach source documentation: (Map with project location noted showing the distance from civilian airports and/or military airfields. Written confirmation from airport operating stating whether or not project is located in a RCZ, CZ or APZ. Written assurance from airport operator on purchase of property.)

For further information see:

Airport Information: http://www.airnav.com/airports/
HUD Airport Hazards Q&A:
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/qa/airport

13. §58.5(i) (2) Contamination and Toxic Substances

a. Is the property located within the search distances of any of the types of environmental contamination sources?

Standard Environmental Record Sources	Approximate Minimum Search Distance (mi)	Yes	No
Federal National Priorities List (NPL)	1	☐	☒
Federal Delisted NPL Site List	0.5	☐	☒
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	0.5	☐	☒
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Site List	0.5	☐	☒
Federal RCRA Correction Action (CORRACTS) Facilities List	1	☐	☒
Federal RCRA Non-CORRACTS Treatment, Storage and Disposal (TSD) Facilities List	0.5	☐	☒
Federal RCRA Generators List	Property/Adjoining Properties	☐	☒
Federal Institutional Control/Engineering Control Registries	Property Only	☐	☒
Federal Emergency Response and Notification System (ERNS) List	Property Only	☐	☒

State- and Tribal-Equivalent NPL	1	☐	☒
State- and Tribal-Equivalent CERCLIS	0.5	☒	☐
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5	☐	☒
State and Tribal Leaking Storage Tank Lists	0.5	☒	☐
State and Tribal Registered Storage Tank Lists	Property/Adjoining Properties	☐	☒
State and Tribal Institutional Control/Engineering Control Registries	Property Only	☐	☒
State and Tribal Voluntary Cleanup Sites	0.5	☐	☒
State and Trial Brownfield Sites	0.5	☐	☒

b. Did a visual inspection of the site show the following?

	Yes	No
Distressed vegetation	☐	☒
Vent or Fill Pipes	☐	☒
Storage Oil Tanks or Questionable Containers	☐	☒
Pits, Ponds or Lagoons	☐	☒
Stained Soil or Pavement (other than water stains)	☐	☒
Pungent, Foul or Noxious Odors	☐	☒
Dumped Material or Soil, Mounds of Dirt, Rubble, Fill, etc.	☐	☒

c. Has the property ever been used for any of the following types of uses?

	Yes	No		Yes	No
Gas Station	☐	☒	Vehicle Repair Shop	☐	☒
Car Dealership	☐	☒	Auto Garage	☐	☒
Depot	☐	☒	Commercial Printing Facility	☐	☒
Industrial or commercial warehouses	☐	☒	Dry Cleaners	☐	☒
Photo Developing Laboratory	☐	☒	Hospital	☐	☒
Junkyard or landfill	☐	☒	Agricultural/Farming Operations	☐	☒
Tannery	☐	☒	Livestock Operations	☐	☒

d. Does the project have an underground storage tank other than a residential fuel tank, or known or suspected to be contaminated by toxic chemicals or radioactive materials?

☐ Yes ☒ No

e. Is the project site near an industry disposing of chemicals or hazardous wastes?

☐ Yes ☒ No

If Yes to any of the above, a qualified environmental professional must undertake investigations necessary to ensure that the project is free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances such that there is no hazard which could affect the health and safety of occupants or conflict with the intended utilization of the property. Continue.

If No to all of the above, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

f. Could nearby toxic, hazardous or radioactive substances affect the health and safety of project occupants or conflict with the intended use of the property?

☐ Yes or ☒ No

g. Are there unresolved concerns that could lead to the RE being determined to be a Potentially Responsible Party (PRP)?

☐ Yes ☒ No

If Yes, continue.
If No, provide written documentation from a qualified environmental professional which documents that identified potential sources of contamination does not pose a hazard which would restrict the intended uses of the property or to the occupants.

h. Was an ASTM Phase I Environmental Site Assessment (ESA) report completed for this project? (Note: HUD regulations do not require an ASTM Phase I ESA report for single family homes of 1-4 units. HUD requires an ASTM Phase I ESA for multifamily (5 or more units) and/or Non-residential properties for environmental review prepared under Part 50.)

☐ Yes ☐ No

i. Did the ASTM Phase I ESA or other documentation uncover any Recognized Environmental Conditions (RECs) or recommend a Phase II, special/specific Phase II, or recommend Phase III environmental site assessments?

☐ Yes ☐ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

j. Do ESAs or other documentation conclude that nearby toxic, hazardous or radioactive substances could affect the health and safety of project occupants or conflict with the intended use of the property?

☐ Yes or ☐ No

If Yes, continue below.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

k. Did any of the ESA reports or other documentation identify the need to mitigate the environmental condition by removing, stabilizing or encapsulating the toxic substances in accordance with the requirements of the appropriate Federal, state or local oversight agency?

☐ Yes ☐ No

If Yes, continue.

If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

l. Can all adverse environmental conditions identified in any of the ESAs or other documentation be mitigated?
☐ Yes ☐ No

If Yes, compliance with this section is complete. List specific remedial actions or mitigations in the mitigation section of the Statutory Checklist, according to the requirements of the appropriate Federal, state, or local oversight agency. Mark box "B" on the Statutory Checklist for this authority.

If No, HUD cannot provide assistance for the project at this site.

Comments:

Cite and attach source documentation: (Maps showing project distance to contaminated sites. Phase I (ASTM) Report. All ESAs and mitigation plans performed for this project.)

For additional information see:
HUD Information on Hazardous, Toxic or Radioactive Substances
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/hazardous
NEPAssist: http://134.67.99.123/nepassist/entry.aspx
EPA Envirofacts Data:
http://www.epa.gov/enviro/
EPA Toxic Release Inventory (TRI):
http://www.epa.gov/enviro/html/toxic_releases.html
EPA Maps:
http://www.epa.gov/emefdata/em4ef.home
EPA CERCLIS/NPL – Superfund database:
http://www.epa.gov/superfund/sites/query/basic.htm
ATSDR "ToxFAQs" summaries about hazardous substances:
http://www.atsdr.cdc.gov/toxfaqs/index.asp
Right-To-Know Network: http://www.rtknet.org/

14. §58.5(j) Environmental Justice (E.O. 12898)

a. Is the project located in or designed to serve a predominantly minority and low-income neighborhood?
☐ Yes ☒ No

If Yes, continue.
If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.

b. Would there be an adverse environmental impact caused by the proposed action, or would the proposed action be subject to an existing adverse environmental impact?

☐ Yes ☐ No

If No, compliance with this section is complete. Mark box "A" on the Statutory Checklist for this authority.
If Yes, perform an Environmental Justice (EJ) analysis using census, geographic and other data to determine if a low-income/minority population is disproportionately impacted. Continue.

c. Will the adverse environmental impact of the proposed action disproportionately impact minority and low-income populations relative to the community-at-large?

☐ Yes ☐ No

If Yes, Mitigation or avoidance of adverse impacts must be considered to the extent practicable; and, public participation processes must involve the affected population(s) in the decision-making process. Continue.
If No, compliance with this section is complete. Document the determination of no disproportionate impacts. Mark box "A" on the Statutory Checklist for this authority.

d. Has the mitigation plan been approved by the RE and the impacted community?

☐ Yes ☐ No

If Yes, compliance with this section is complete. Include mitigation plan in the mitigation section of the Statutory Checklist. Mark box "B" on the Statutory Checklist for this authority.
If No, Project cannot move forward until EJ issue is mitigated to the satisfactory of the RE and impacted community.

Comments:

Cite and attach source documentation: (Mapping of low-income and minority populations in the vicinity of the project site. EJ analysis. Mitigation Plan.)

For additional information see:
EJ maps & analysis, by location:
http://www.scorecard.org/community/ej-index.tcl
EPA's "EJ View" Tool provides information relevant to EJ assessments:
http://epamap14.epa.gov/ejmap/entry.html
Census data and maps also avail-able at:
http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Tract-level data on race & income:
http://www.ffiec.gov/geocode

Appendix B

Project Location and Vicinity Maps

Prepared For:

Residence of Gloria Silvia

45 2nd Avenue

East Haven, CT

N

Not to Scale

Figure 1

Site Location Plan

Prepared For:

Residence of Gloria Silvia

45 2nd Avenue

East Haven, CT

N

Not to Scale

Figure 2

Site Vicinity Map

Appendix C

Resource Maps and Supporting Documents

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2011.

TOWN of EAST HAVEN
ASSESSOR

Information on the Property Records for the Municipality of East Haven was last updated on 1/17/2015.

Parcel Information

Location:	45 SECOND AVE	Property Use:	Residential	Primary Use:	Residential
Unique ID:	S0320500	Map Block Lot:	030 0318 013	Acres:	0.27
490 Acres:	0.00	Zone:	R-1	Volume / Page:	0335/0643
Developers Map / Lot:	639-641	Census:	1801000		

Value Information

	Appraised Value	**70% Assessed Value**
Land	141,400	98,980
Buildings	76,119	53,280
Detached Outbuildings	0	0

Total	217,519	152,260

Owner's Information

Owner's Data
SILVIA GLORIA C 45 SECOND AVE EAST HAVEN, CT 06512

Building 1

Building Use:	Single Family	Style:	Colonial	Living Area:	1,098
Stories:	2.00	Construction:	Wood Frame	Year Built:	1911
Total Rooms:	5	Bedrooms:	3	Kitchens:	1
Full Baths:	1	Half Baths:	0	Fireplaces:	1
Heating:	Other	Fuel:	Gas	Cooling Percent:	0%
Basement Area:	0	Basement Finished Area:	0	Basement Garages:	0
Roof		Siding:	Stone/Vinyl	Units:	

Material:					

Special Features

Attached Components

Type:	Year Built:	Area:
Enclosed Porch	1911	168

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Valid Sale	Sale Price
SILVIA GLORIA C	0335	0643	06/21/1983		Yes	$0

Federal Aviation Administration

Memorandum

Date: SEP 27 2012

To: Regional Airports Division Managers
610 Branch Managers
620 Branch Managers
ADO Managers

From: Benito De Leon, Director
Office of Airport Planning and Programming (APP-1)

Michael J. O'Donnell, Director
Office of Airport Safety and Standards (AAS-1)

Subject: Interim Guidance on Land Uses Within a Runway Protection Zone

Background

The FAA Office of Airports (ARP) has identified the need to clarify our policy on land uses within the Runway Protection Zone (RPZ). This memorandum presents interim policy guidance on compatible land uses within Runway Protection Zones (RPZ) to address recurrent questions about what constitutes a compatible land use and how to evaluate proposed land uses that would reside in an RPZ. While Advisory Circular 150/5300-Change 17(Airport Design) notes that "it is desirable to clear all objects from the RPZ," it also acknowledges that "some uses are permitted" with conditions and other "land uses are prohibited."

RPZ land use compatibility also is often complicated by ownership considerations. Airport owner control over the RPZ land is emphasized to achieve the desired protection of people and property on the ground. Although the FAA recognizes that in certain situations the airport sponsor may not fully control land within the RPZ, the FAA expects airport sponsors to take all possible measures to protect against and remove or mitigate incompatible land uses.

ARP is developing a new guidance document for the Regional Office (RO) and Airport District Office (ADO) staff that clarifies our policy regarding land uses in the RPZ. This new guidance document will outline a comprehensive review process for existing and proposed land uses within an RPZ and is slated for publication in 2013. We also intend to incorporate RPZ land use considerations into the ongoing update to the Land Use Compatibility Advisory Circular (AC) which is slated for publication in 2014.

This memorandum outlines interim guidance for ARP RO and ADO staff to follow until the comprehensive RPZ land use guidance is published.

Interim Guidance

New or Modified Land Uses in the RPZ

Regional and ADO staff must consult with the National Airport Planning and Environmental Division, APP-400 (who will coordinate with the Airport Engineering Division, AAS-100), when any of the land uses described in **Table 1** would enter the limits of the RPZ as the result of:

1. An airfield project (e.g., runway extension, runway shift)
2. A change in the critical design aircraft that increases the RPZ dimensions
3. A new or revised instrument approach procedure that increases the RPZ dimensions
4. A local development proposal in the RPZ (either new or reconfigured)

Table 1: Land Uses Requiring Coordination with APP-400

- Buildings and structures (Examples include, but are not limited to: residences, schools, churches, hospitals or other medical care facilities, commercial/industrial buildings, etc.)
- Recreational land use (Examples include, but are not limited to: golf courses, sports fields, amusement parks, other places of public assembly, etc.)
- Transportation facilities. Examples include, but are not limited to:
  - Rail facilities – light or heavy, passenger or freight
  - Public roads/highways
  - Vehicular parking facilities
- Fuel storage facilities (above and below ground)
- Hazardous material storage (above and below ground)
- Wastewater treatment facilities
- Above-ground utility infrastructure (i.e. electrical substations), including any type of solar panel installations.

Land uses that may create a safety hazard to air transportation resulting from wildlife hazard attractants such as retention ponds or municipal landfills are not subject to RPZ standards since these types of land uses do not create a hazard to people and property on the ground. Rather, these land uses are controlled by other FAA policies and standards. In accordance with the relevant Advisory Circulars, the Region/ADO must coordinate land use proposals that create wildlife hazards with AAS-300, regardless of whether the proposed land use occurs within the limits of an RPZ.

Alternatives Analysis

Prior to contacting APP-400, the RO and ADO staff must work with the airport sponsor to identify and document the full range of alternatives that could:

1. Avoid introducing the land use issue within the RPZ
2. Minimize the impact of the land use in the RPZ (i.e., routing a new roadway through the controlled activity area, move farther away from the runway end, etc.)

3. Mitigate risk to people and property on the ground (i.e., tunneling, depressing and/or protecting a roadway through the RPZ, implement operational measures to mitigate any risks, etc.)

Documentation of the alternatives should include:

- A description of each alternative including a narrative discussion and exhibits or figures depicting the alternative
- Full cost estimates associated with each alternative regardless of potential funding sources.
- A practicability assessment based on the feasibility of the alternative in terms of cost, constructability and other factors.
- Identification of the preferred alternative that would meet the project purpose and need while minimizing risk associated with the location within the RPZ.
- Identification of all Federal, State and local transportation agencies involved or interested in the issue.
- Analysis of the specific portion(s) and percentages of the RPZ affected, drawing a clear distinction between the Central Portion of the RPZ versus the Controlled Activity Area, and clearly delineating the distance from the runway end and runway landing threshold.
- Analysis of (and issues affecting) sponsor control of the land within the RPZ.
- Any other relevant factors for HQ consideration.

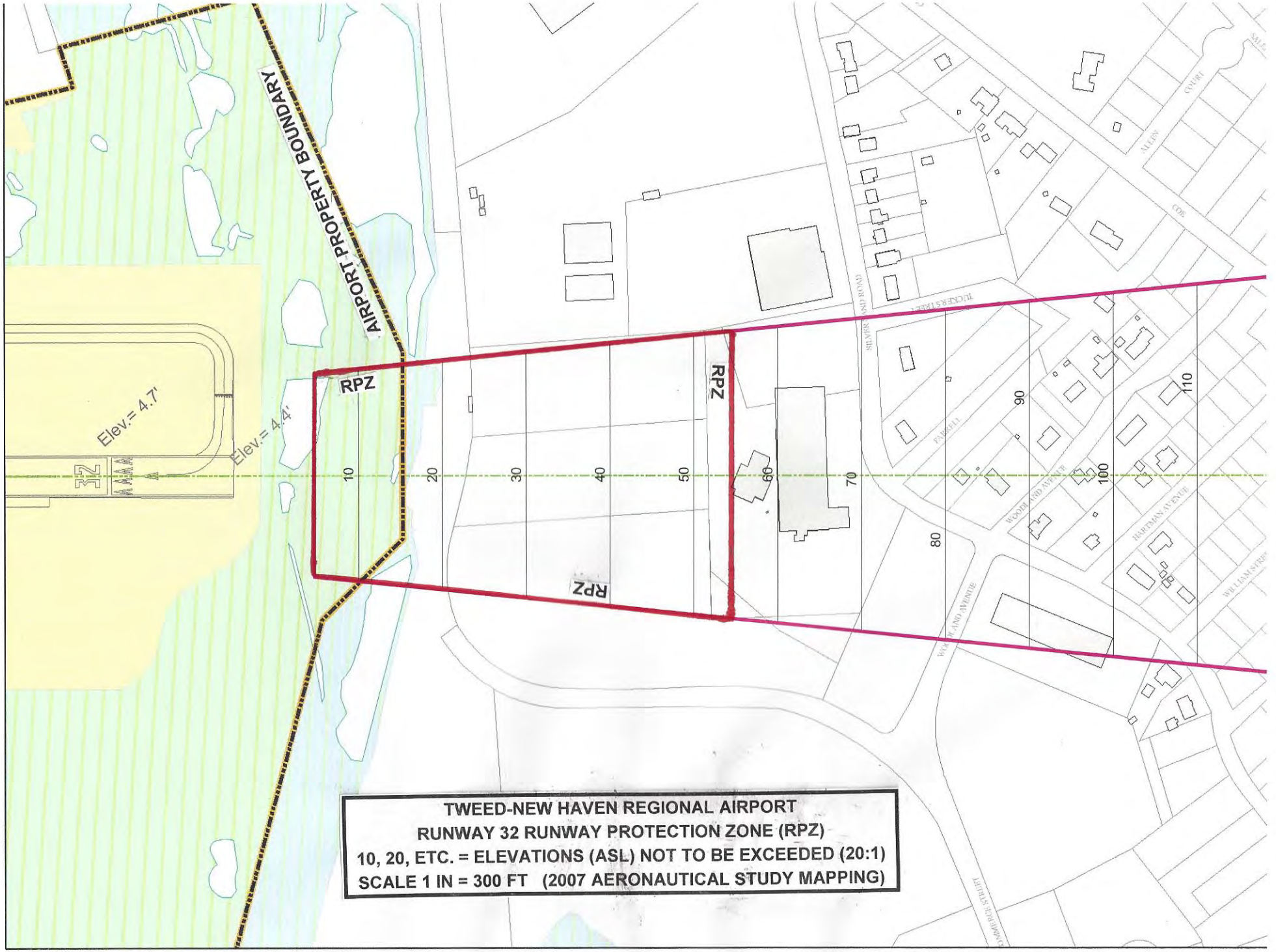
APP-400 will consult with AAS-100 when reviewing the project documents provided by the RO/ADO. APP-400 and AAS-100 will work with the Region/ADO to make a joint determination regarding Airport Layout Plan (ALP) approval after considering the proposed land use, location within the RPZ and documentation of the alternatives analysis.

In addition, APP-400 and AAS-100 will work with the Region/ADO to craft language for inclusion in the airspace determination letter regarding any violations to ensure that all stakeholders (including tenants, operators, and insurers) are fully apprised of the issues and potential risks and liabilities associated with permitting such facilities within the RPZ.

Existing Land Uses in the RPZ

This interim policy only addresses the introduction of new or modified land uses to an RPZ and proposed changes to the RPZ size or location. Therefore, at this time, the RO and ADO staff shall continue to work with sponsors to remove or mitigate the risk of any existing incompatible land uses in the RPZ as practical.

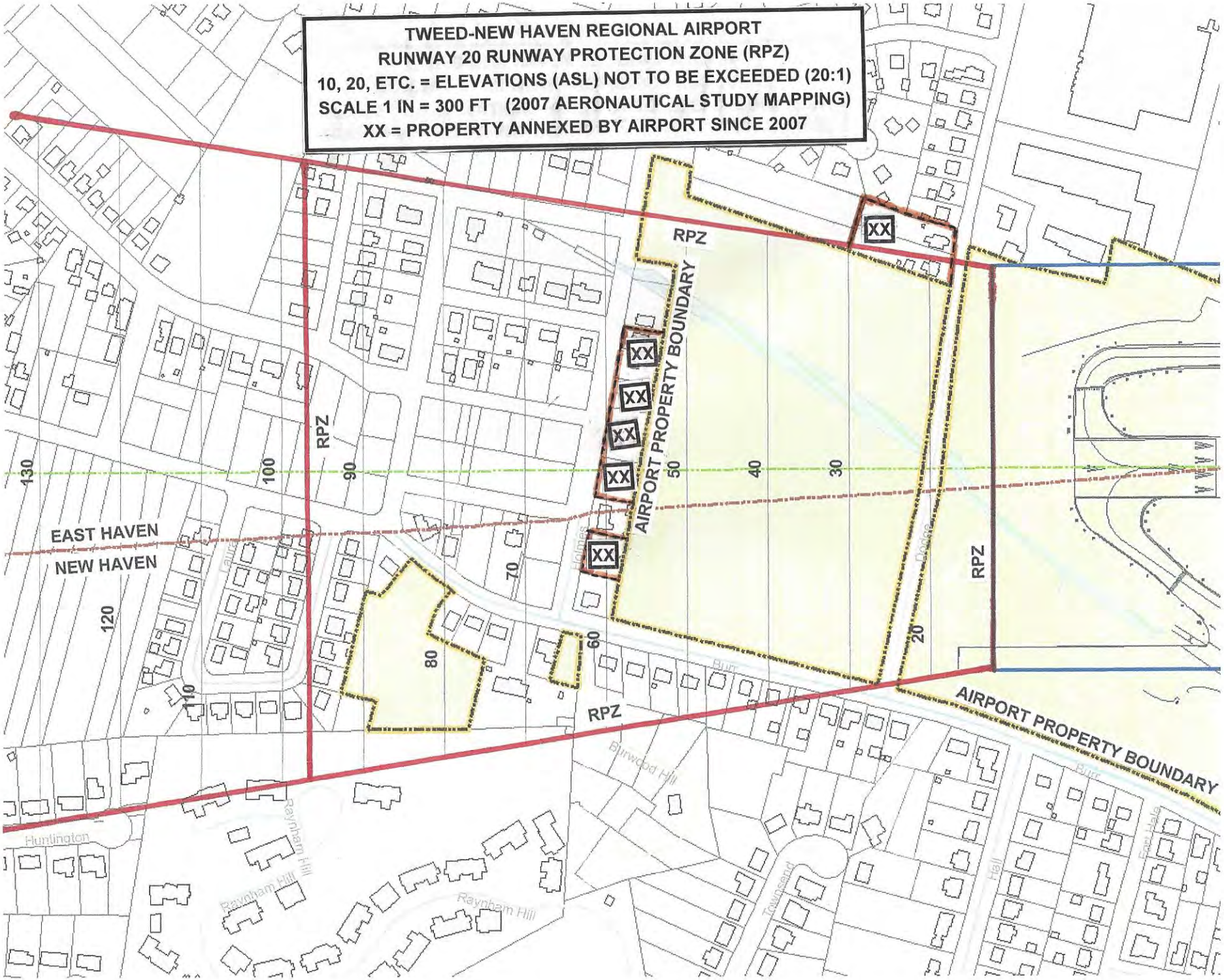
For additional information or questions regarding this interim guidance, please contact either Ralph Thompson, APP-400, at ralph.thompson@faa.gov or (202) 267-8772 or Danielle Rinsler, APP-401, at danielle.rinsler@faa.gov or (202) 267-8784.

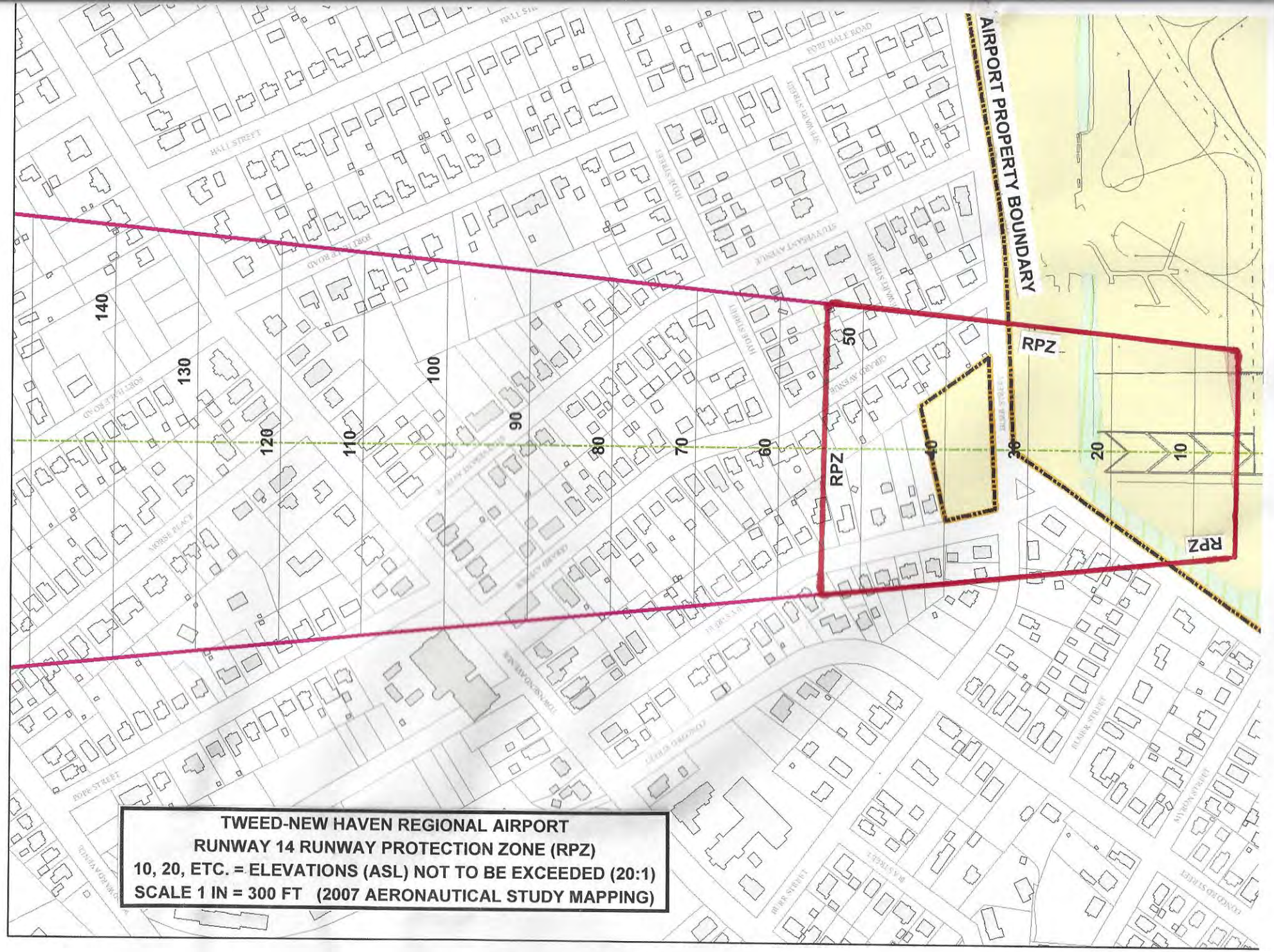


Runway 32 Approach Surface - 20:1 Obstacle Clearance S

August 2007

FAR Part 77


TWEED-NEW HAVEN REGIONAL AIRPORT
RUNWAY 20 RUNWAY PROTECTION ZONE (RPZ)
10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)
SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)
XX = PROPERTY ANNEXED BY AIRPORT SINCE 2007
RPZ
AIRPORT PROPERTY BOUNDARY
XX
EAST HAVEN
NEW HAVEN
130
120
110
100
90
80
70
60
50
40
30
20
Laura
Holmes
Dodge
Burr
Burrwood Hill
Townsend
Hall
Raynham Hill
Huntington

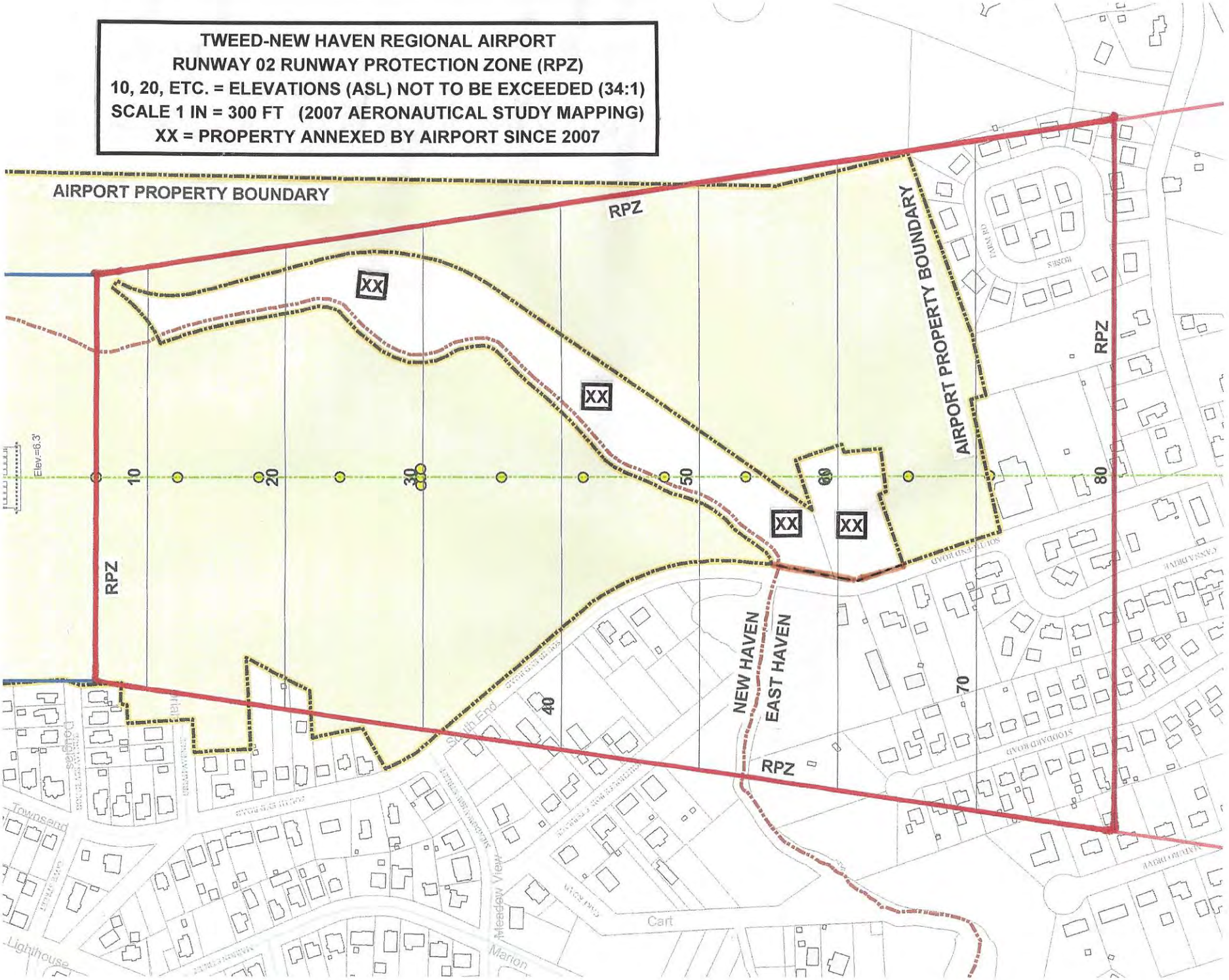


Runway 14 Approach Surface - 20:1 Obstacle Clearance Surface

FAR Part 77

August 2007

TWEED-NEW HAVEN REGIONAL AIRPORT
RUNWAY 02 RUNWAY PROTECTION ZONE (RPZ)
10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (34:1)
SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)
XX = PROPERTY ANNEXED BY AIRPORT SINCE 2007



Environmental Justice Communities

EAST HAVEN, CT

Map prepared January 2009

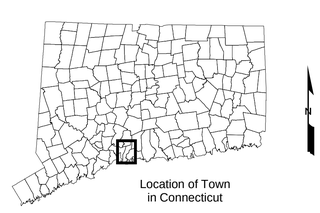
STATE OF CONNECTICUT
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

Low Income Communities

Town Boundary

This map shows a municipality having U.S. census block groups with 30% of their population living below 200% of the federal poverty level.

Note: The *applicable* facilities must be located directly in the defined census block or in a municipality on the CT Department of Economic and Community Development list of distressed municipalities to be considered under Public Act 08-94 and the Environmental Justice Policy.



Natural Diversity Data Base Areas

EAST HAVEN, CT

December 2013

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 (NDDB) 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.

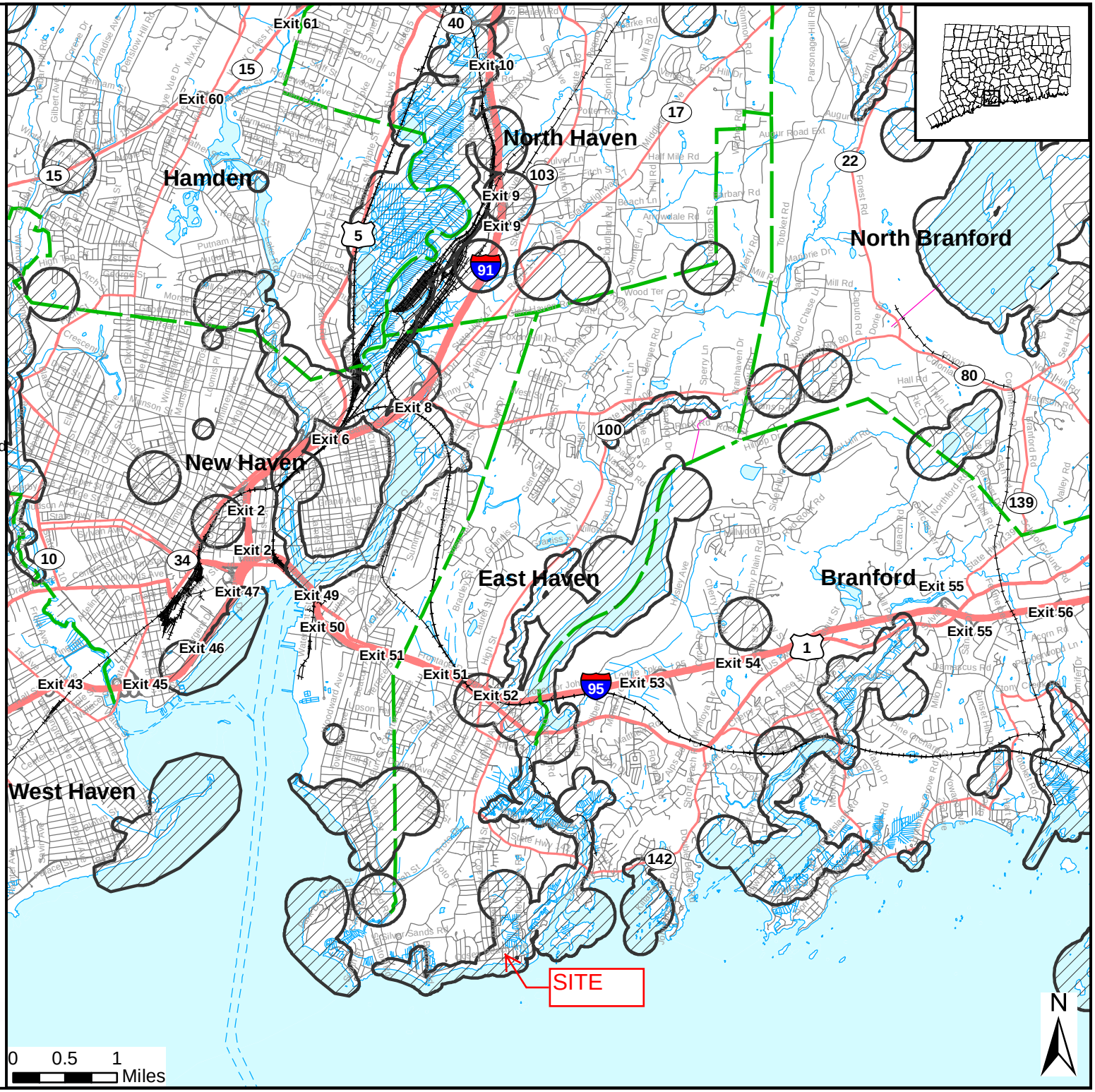
This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For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

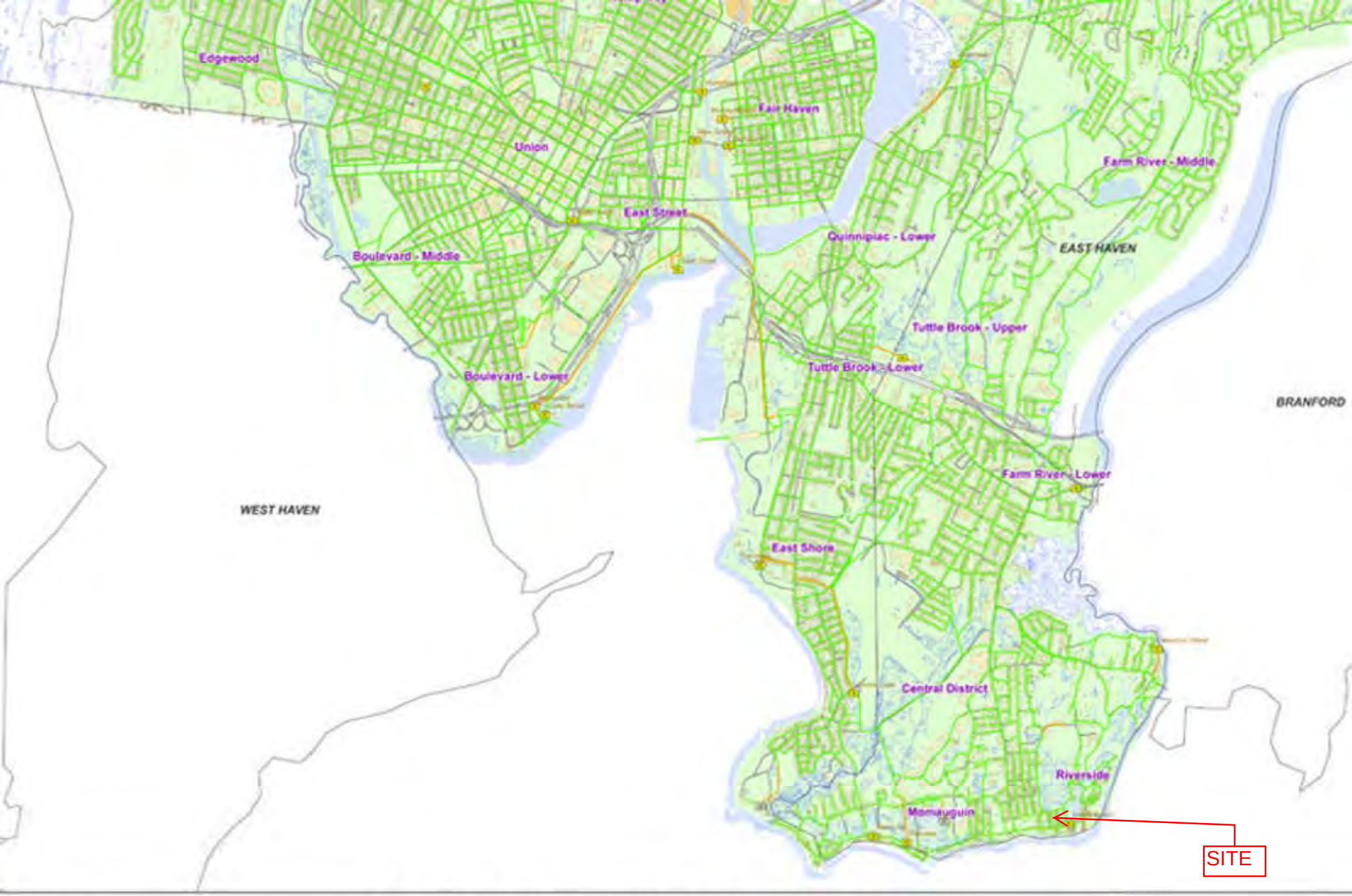
www.ct.gov/deep/nddbrequest

This file has PDF Layers. Look for the Layers tab on the left. Expand the layers and use the "eye" icons to change visibility.

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





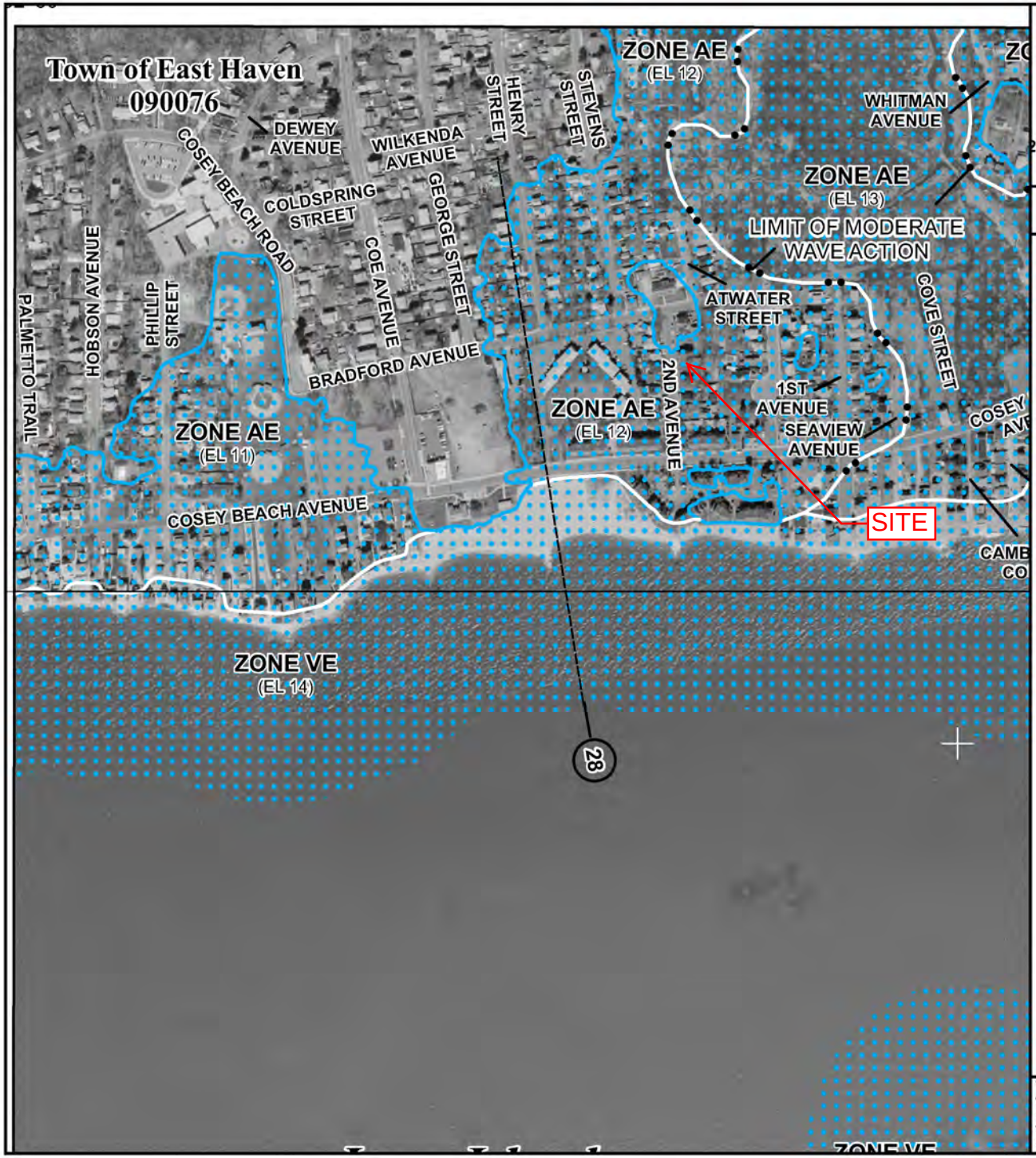
GNHWPCA Sewer Service Area Map

Legend

GNHWPCA Sanitary Sewer Area

*Existing Preserved Open Space

Disclaimer:



MAP SCALE 1" = 500'

250 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0576J

FIRM

FLOOD INSURANCE RATE MAP

NEW HAVEN COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 576 OF 635

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRANFORD, TOWN OF	090073	0576	J
EAST HAVEN, TOWN OF	090076	0576	J

-NOTE-

THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

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.

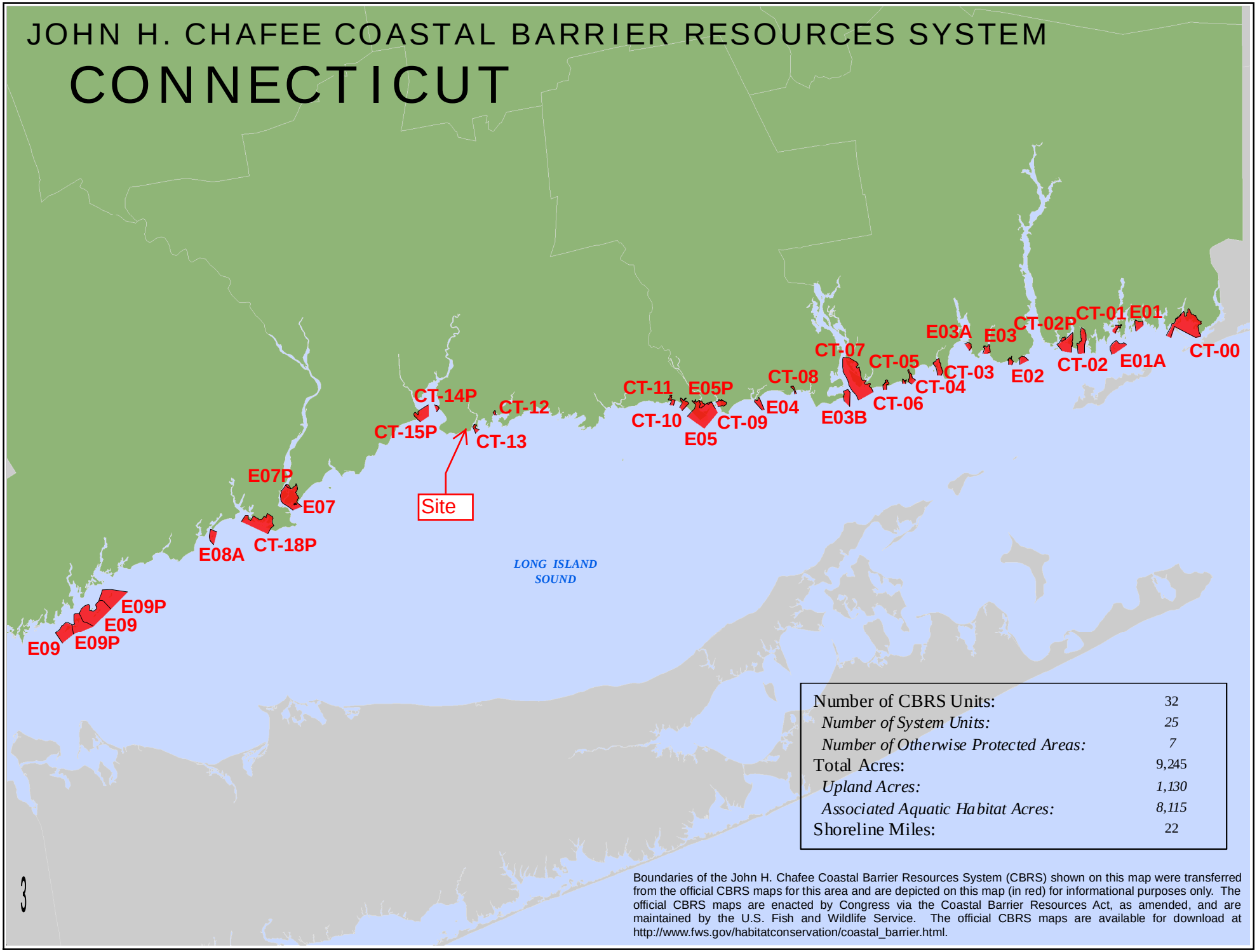
MAP NUMBER
09009C0576J

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

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.

COASTAL BOUNDARY
EAST HAVEN, 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

State Plane Coordinate System of 1983, Zone 3526
Lambert Conformal Conic Projection
North American Datum of 1983

1 0.5 0 1 Miles

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

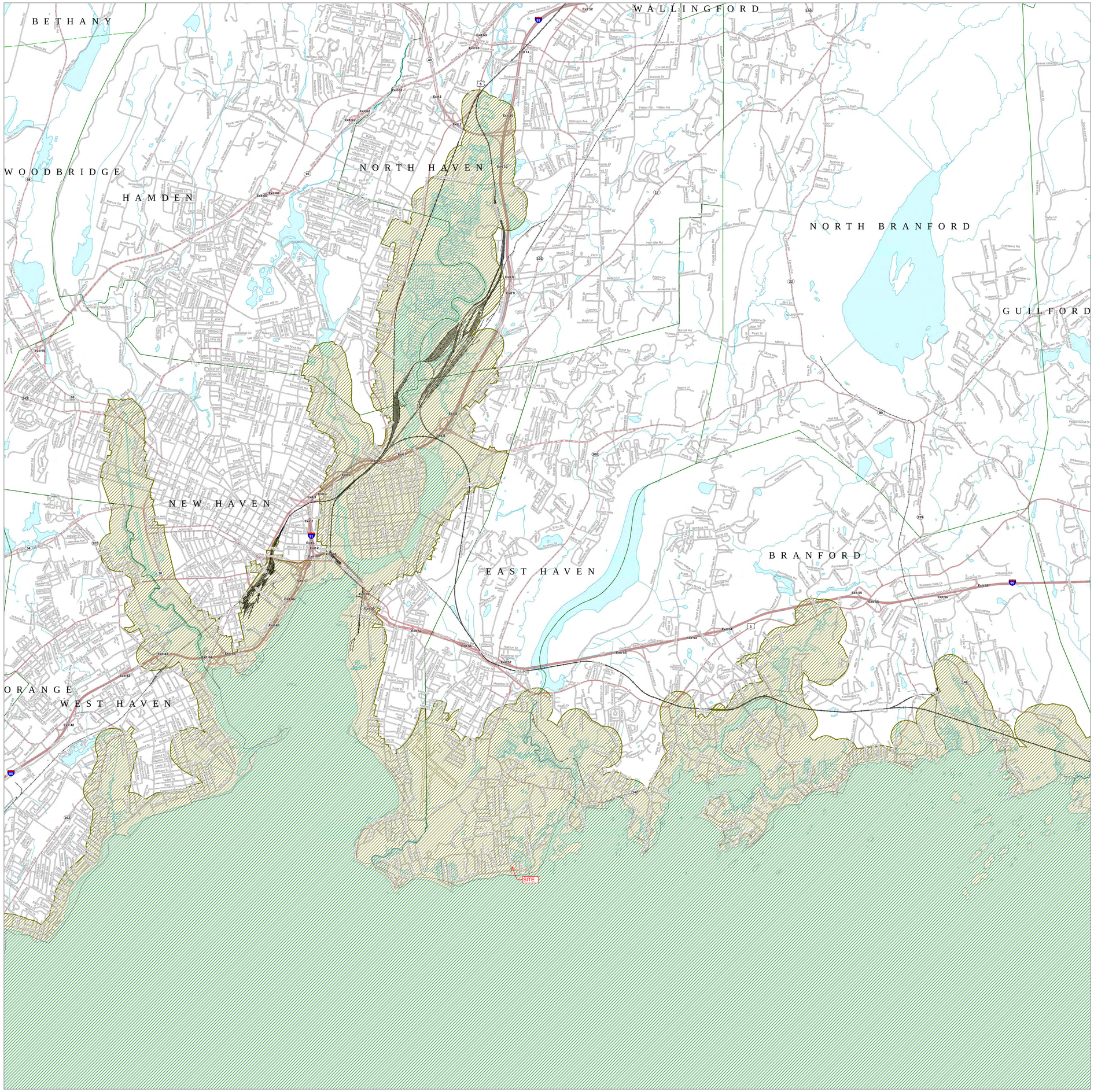
1 0.5 0 1 Kilometers

SCALE 1:24,000 (1 inch = 2000 feet) when map is printed at original size

STATE OF CONNECTICUT
DEPARTMENT OF
ENERGY & ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127

Map created by DEEP
January 2013

Map is not colorfast
Protect from light and moisture



U.S. Fish and Wildlife Service

National Wetlands Inventory

NWI map

Jan 19, 2015

Wetlands

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

User Remarks:

Tidal Wetlands Map

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

Toth Residence
43 First Avenue
East Haven, CT 06512

Inquiry Number: 3890974.3
March 25, 2014

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

3/25/14

Site Name:
Toth Residence
43 First Avenue
East Haven, CT 06512

Client Name:
Freeman Companies LLC
100 Wells Street
Hartford, CT 06103

EDR Inquiry # 3890974.3

Contact: Doug Brink

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Freeman Companies LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Toth Residence
Address: 43 First Avenue
City, State, Zip: East Haven, CT 06512
Cross Street:
P.O. # 2014-0306-6
Project: First Avenue
Certification # B5F0-4CF8-A41D

Maps Provided:

1973
1950
1924

Sanborn® Library search results
Certification # B5F0-4CF8-A41D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1973 Source Sheets

Volume 3, Sheet 383

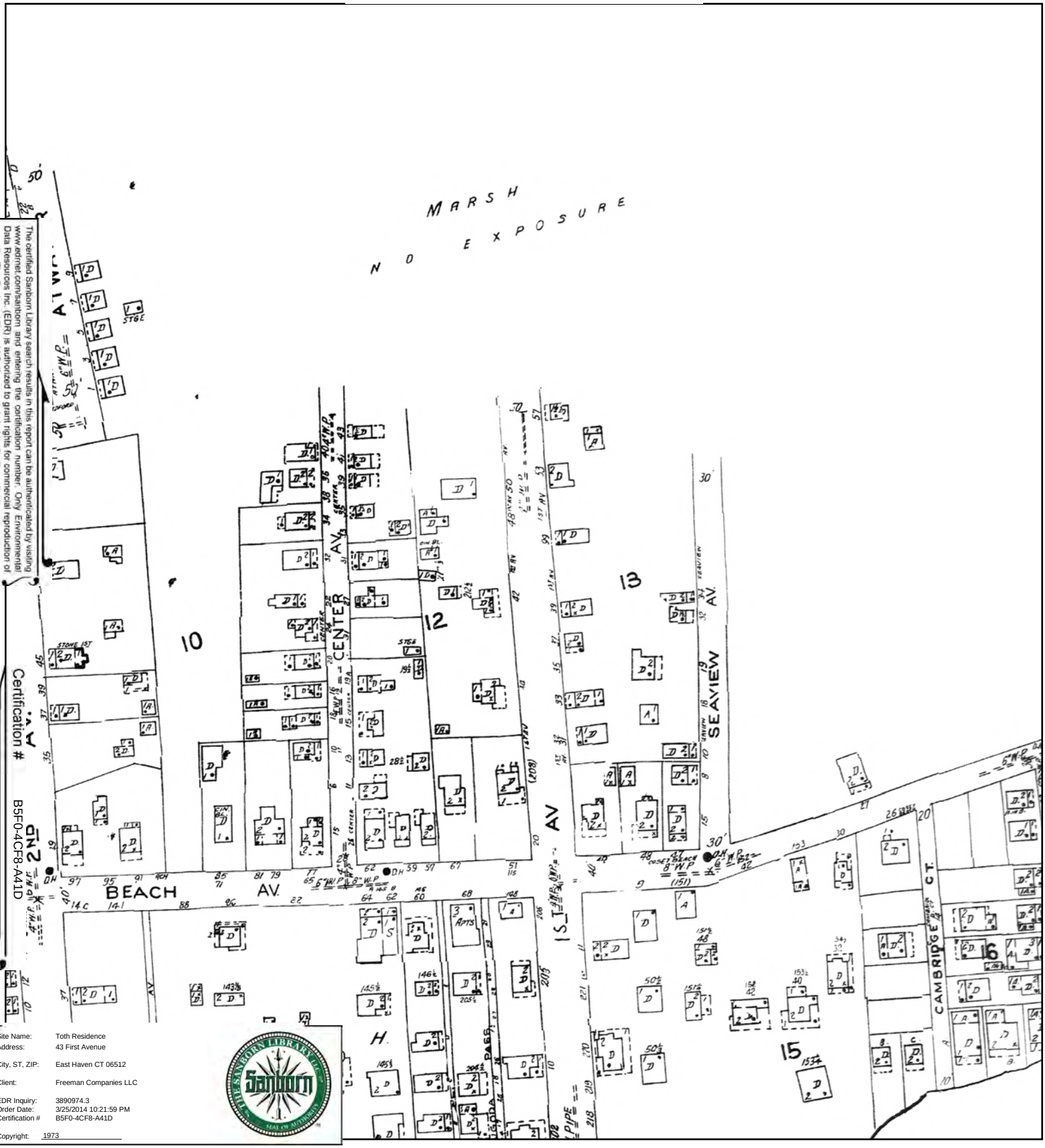
1950 Source Sheets

Volume 3, Sheet 383

1924 Source Sheets

Volume 3, Sheet 383

1973 Certified Sanborn Map

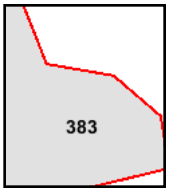


Certification # B5F0-4CF8-A41D

Site Name:	Toth Residence
Address:	43 First Avenue
City, ST, ZIP:	East Haven CT 06512
Client:	Freeman Companies LLC
EDR Inquiry:	3890974.3
Order Date:	3/25/2014 10:21:59 PM
Certification #	B5F0-4CF8-A41D
Copyright:	1973

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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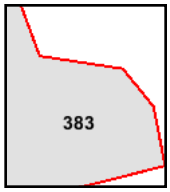
N

1950 Certified Sanborn Map

Site Name:	Toth Residence
Address:	43 First Avenue
City, ST, ZIP:	East Haven CT 06512
Client:	Freeman Companies LLC
EDR Inquiry:	3890974.3
Order Date:	3/25/2014 10:21:59 PM
Certification #	B5F0-4CF8-A41D
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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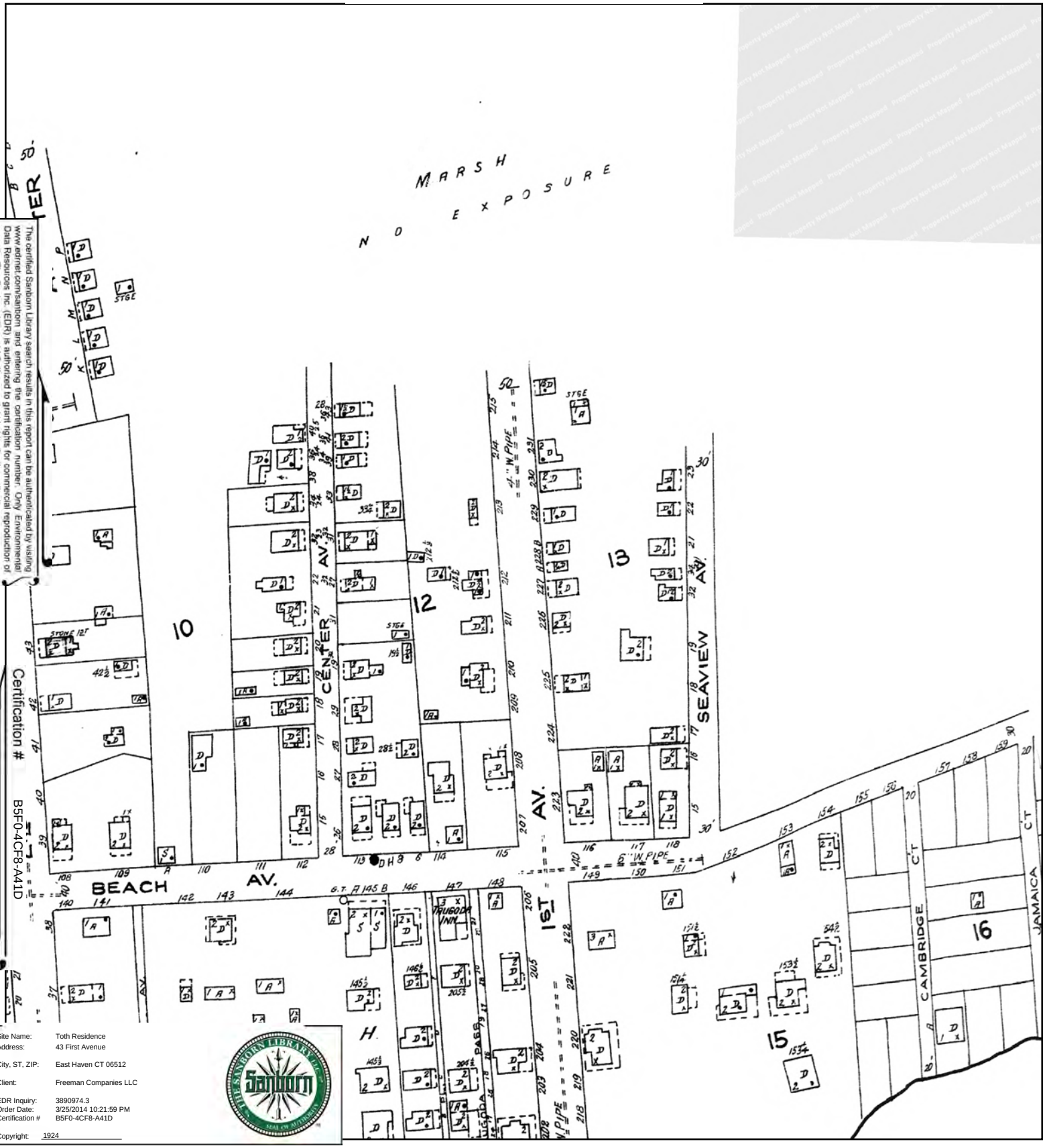
N

1924 Certified Sanborn Map

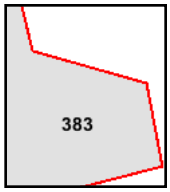


Certification # B5F0-4CF8-A41D

Site Name:	Toth Residence
Address:	43 First Avenue
City, ST, ZIP:	East Haven CT 06512
Client:	Freeman Companies LLC
EDR Inquiry:	3890974.3
Order Date:	3/25/2014 10:21:59 PM
Certification #	B5F0-4CF8-A41D
Copyright:	1924

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



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N

Toth Residence
43 First Avenue
East Haven, CT 06512

Inquiry Number: 3890974.8s
March 25, 2014

EDR NEPACheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

EDR NEPACheck® 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.

Section	Regulation
Natural Areas Map	
• 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
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

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 51 of this report.

TARGET PROPERTY ADDRESS

TOTH RESIDENCE
43 FIRST AVENUE
EAST HAVEN, CT 06512

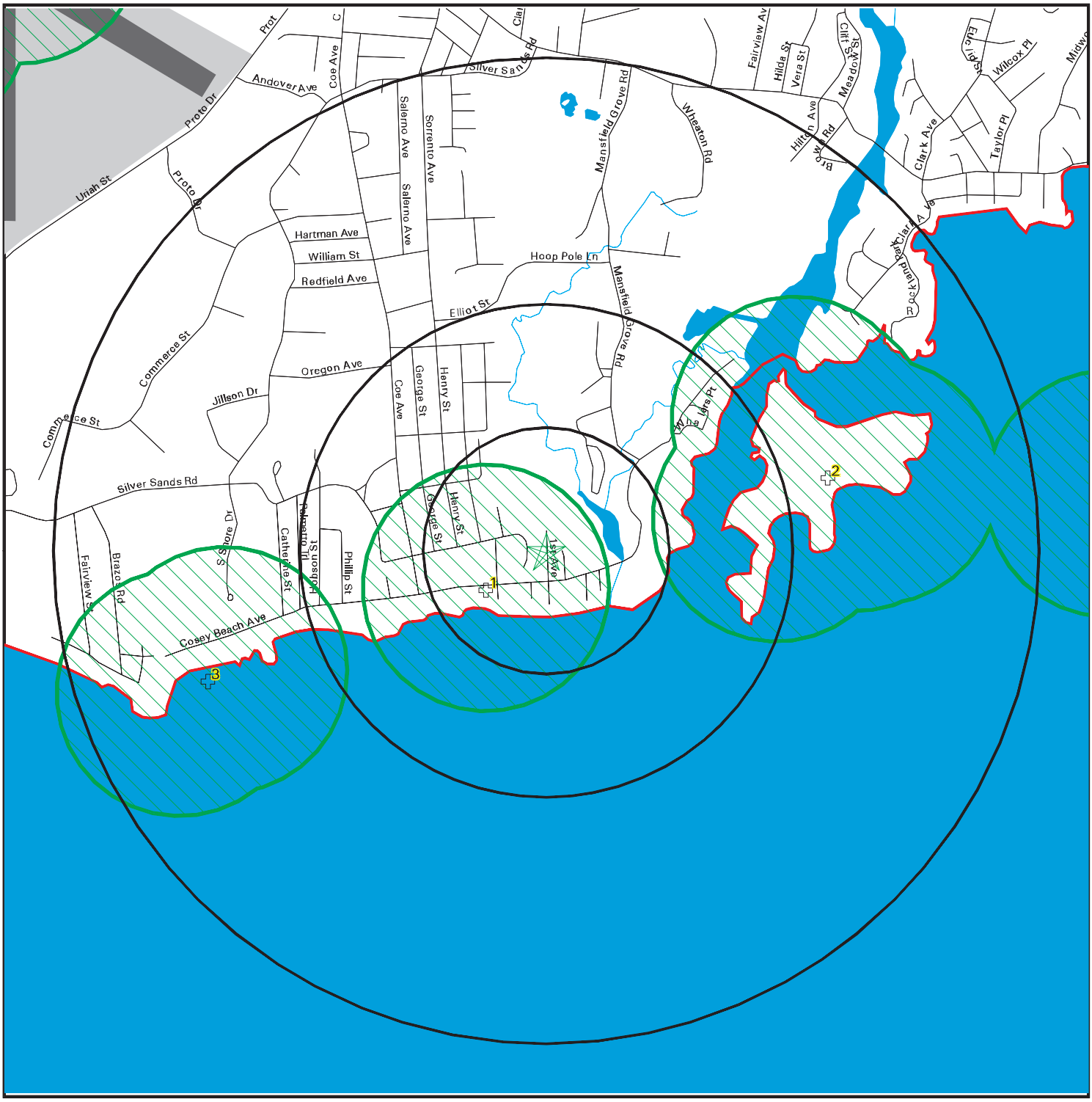
Inquiry #: 3890974.8s
Date: 3/25/14

TARGET PROPERTY COORDINATES

Latitude (North):	41.247101 - 41° 14' 49.6''
Longitude (West):	72.865196 - 72° 51' 54.7''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	678878.1
UTM Y (Meters):	4568173.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
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
HISTORIC SITES MAP				
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
FLOODPLAIN MAP				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
	NY COASTAL ZONE	20.00	YES	NO
FCC & FAA SITES MAP				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	YES	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	YES	NO
	Airports	1.00	YES	---
	Power Lines	1.00	NO	---

Natural Areas Map



- Target Property
- Roads
- County Boundary
- Waterways
- Water
- Airports
- Locations
- Federal Areas
- Federal Linear Features
- State Areas
- State Linear Features

SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.8s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 2014

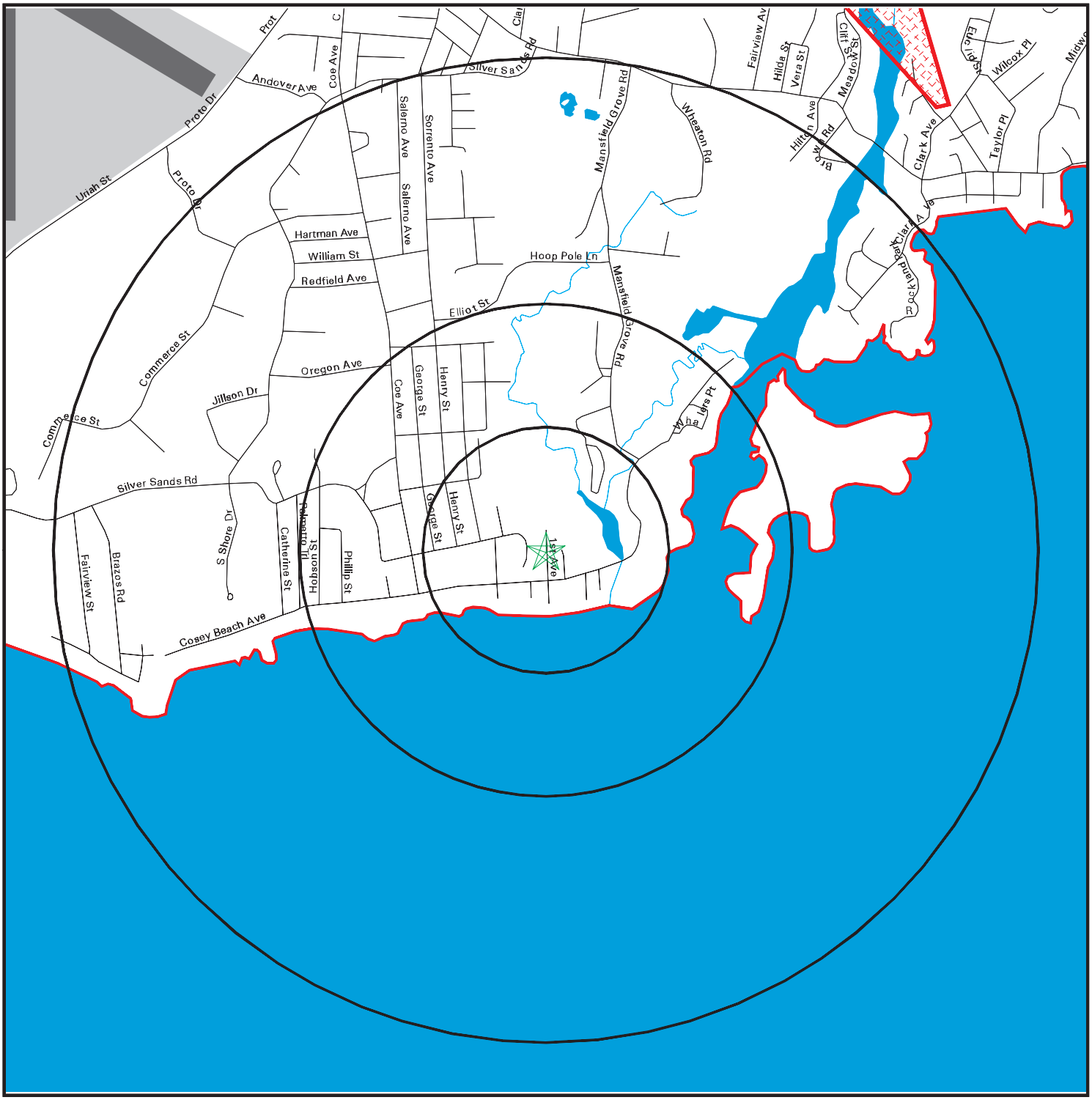
NATURAL AREAS MAP FINDINGS

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 North 0-1/8 mi 0	Text:	No details provided by source agency	CTEN000001 CT Natural Diversity
2 East 1/8-1/4 mi 1168	Text:	No details provided by source agency	CTEN000001 CT Natural Diversity
3 WSW 1/4-1/2 mi 2359	Text:	No details provided by source agency	CTEN000001 CT Natural Diversity

Historic Sites Map



0 1/4 1/2 1 Miles

- Target Property
- Streets
- County Boundary
- Waterways
- Water
- Airports
- Historic Sites
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- Scenic Trail

SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.8s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 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
87000636
National Register of Hist. Places

Resname: Branford Center Historic District
Address: Roughly bounded by US I, Branford River on the East and South, Monroe, and Kirkham Sts.
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 19870506
Multname: Not Reported
Federal agency: U.S. POSTAL SERVICE
Resource name: Branford Center Historic District
Address: Roughly bounded by US I, Branford River on the East and South, Monroe, and Kirkham Sts.
State: CONNECTICUT
County: New Haven
City: Branford
Listed date: 1.9870506E+007
Multiple name: Not Reported
Acre: 250.0+

Unmappable
CT2008000000906
CT Historic Sites

Fname: BRANFORD CENTER HISTORIC DISTRICT
Faddress: Roughly bounded by U.S. 1, Branford River on E. and S., Monroe and Kirkham Sts.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 06-MAY-87
Fagency: Not Reported
Edr id: CT2008000000906

Unmappable
83001278
National Register of Hist. Places

Resname: Branford Electric Railway Historic District
Address: 17 River St. to Court St.
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 19830603
Multname: Not Reported
Acre: 21.0+

Unmappable
CT2008000000907
CT Historic Sites

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Fname: BRANFORD ELECTRIC RAILWAY HISTORIC DISTRICT (also in East Haven)
Faddress: 17 River St. to Court St.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 03-JUN-83
Fagency: Not Reported
Edr id: CT2008000000907

Unmappable
CT2008000001149
CT Historic Sites

Fname: BRANFORD ELECTRIC RAILWAY HISTORIC DISTRICT (also in Branford)
Faddress: 17 River St. to Court St.
Fcity: EAST HAVEN
Fcnty: NEW HAVEN COUNTY
Flisted: 03-JUN-83
Fagency: Not Reported
Edr id: CT2008000001149

Unmappable
88001583
National Register of Hist. Places

Resname: Branford Point Historic District
Address: Roughly along Harbor St. N from Curve St. to Branford Point, also Maple St. E. from Reynolds St. to Harbor St.
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 19880915
Multname: Not Reported
Acre: 54.0+

Unmappable
CT2008000000908
CT Historic Sites

Fname: BRANFORD POINT HISTORIC DISTRICT
Faddress: Roughly along Harbor St. N. from Curve St. to Branford Point, also Maple St. E. from Reynolds St. to Harbor St.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 15-SEP-88
Fagency: Not Reported
Edr id: CT2008000000908

Unmappable
02000335
National Register of Hist. Places

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Resname: Canoe Brook Historic District
Address: Roughly along Bradley St., Cherry Hill Rd., Home Place, Lincoln Ave., Main and N. Harbor Sts.
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 20020411
Multname: Not Reported
Acre: 52.0+

Unmappable
CT2008000000909
CT Historic Sites

Fname: CANOE BROOK HISTORIC DISTRICT
Faddress: Roughly along Bradley St., Cherry Hill Rd. Home Place, Lincoln Ave., Main and N. Harbor Sts
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 11-APR-02
Fagency: Not Reported
Edr id: CT2008000000909

Unmappable
CT2008000000910
CT Historic Sites

Fname: COLONIAL HOUSES OF BRANFORD TR
Faddress: Townwide
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 01-DEC-88
Fagency: Not Reported
Edr id: CT2008000000910

Unmappable
02000336
National Register of Hist. Places

Resname: East Haven Green Historic District
Address: 263,270,274 Hemingway Ave., 125,129,133,139,143,150 Main St., 3,7,11,15,23,27,39,47 Park Pl. & 58,100 River St.
City: East Haven
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 20020411
Multname: Not Reported

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Acre: 28.0+

Unmappable
CT2008000001150
CT Historic Sites

Fname: EAST HAVEN GREEN HISTORIC DISTRICT
Faddress: 263,270,274 Hemingway Ave. 125,129,133,139,143,150 Main St. 3,7,11,15,23,27,39,47 Park Pl. & 58, 100 River St.
Fcity: EAST HAVEN
Fcnty: NEW HAVEN COUNTY
Flisted: 11-APR-02
Fagency: Not Reported
Edr id: CT2008000001150

Unmappable
CT2008000000939
CT Historic Sites

Fname: FOURTH DISTRICT SCHOOL
Faddress: Old Post Rd.
Fcity: NORTH BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 29-AUG-85
Fagency: Not Reported
Edr id: CT2008000000939

Unmappable
CT2008000000940
CT Historic Sites

Fname: HOWD-LINSLEY HOUSE
Faddress: 1795 Middletown Ave.
Fcity: NORTH BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 10-DEC-86
Fagency: Not Reported
Edr id: CT2008000000940

Unmappable
CT2008000000941
CT Historic Sites

Fname: MALTBY-STEVENS FACTORY SITE
Faddress: Not Reported
Fcity: NORTH BRANFORD
Fcnty: NEW HAVEN COUNTY

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Flisted: 27-JAN-00
Fagency: Not Reported
Edr id: CT2008000000941

Unmappable
03000315
National Register of Hist. Places

Resname: Norcross Brothers Granite Quarry
Address: Quarry Rd.
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 20030606
Multname: Not Reported
Acre: 69.0+

Unmappable
CT2008000000922
CT Historic Sites

Fname: NORCROSS BROTHERS GRANITE QUARRY
Faddress: Quarry Rd
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 06-JUN-03
Fagency: Not Reported
Edr id: CT2008000000922

Unmappable
CT2008000000942
CT Historic Sites

Fname: NORTH BRANFORD CENTER HISTORIC DISTRICT
Faddress: Roughly along Church and North Sts.
Fcity: NORTH BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 09-DEC-99
Fagency: Not Reported
Edr id: CT2008000000942

Unmappable
CT2008000000943
CT Historic Sites

Fname: NORTHFORD CENTER HISTORIC DISTRICT

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Faddress: Roughly along Middletown Ave, and parts of Old Post Rd
Fcity: NORTH BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 31-DEC-02
Fagency: Not Reported
Edr id: CT2008000000943

Unmappable
CT2008000001130
CT Historic Sites

Fname: PALMER, HEZEKIAH, HOUSE (COLONIAL HOUSES OF BRANFORD TR)
Faddress: 340-408 Leete's Island Rd.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 01-DEC-88
Fagency: Not Reported
Edr id: CT2008000001130

Unmappable
CT2008000001131
CT Historic Sites

Fname: PALMER, ISAAC, HOUSE (COLONIAL HOUSES OF BRANFORD TR)
Faddress: 736-756 Main St.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 01-DEC-88
Fagency: Not Reported
Edr id: CT2008000001131

Unmappable
90000569
National Register of Hist. Places

Resname: Route 146 Historic District
Address: Rt. 146 between Flat Rock Rd. and West River bridge
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 19900405
Multname: Not Reported
Acre: 169.0+

Unmappable
CT2008000001134
CT Historic Sites

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

Fname: ROUTE 146 HISTORIC DISTRICT (also in Guilford)
Faddress: Rt. 146 between Flat Rock Rd. and West River Bridge
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 05-APR-90
Fagency: Not Reported
Edr id: CT2008000001134

Unmappable
88002844
National Register of Hist. Places

Resname: Stony Creek--Thimble Islands Historic District
Address: Roughly Thimble Islands Rd. between Rt. 146 and Long Island Sound and the Thimble Islands
City: Branford
Vicinity: Not Reported
County: New Haven
State: CONNECTICUT
Certdate: 19881216
Multname: Not Reported
Acre: 1400.0+

Unmappable
CT2008000001136
CT Historic Sites

Fname: STONY CREEK-THIMBLE ISLANDS HISTORIC DISTRICT
Faddress: Roughly Thimble Islands Rd., between Rt. 146 and Long Island Sound and Thimble Island
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 16-DEC-88
Fagency: Not Reported
Edr id: CT2008000001136

Unmappable
CT2008000001137
CT Historic Sites

Fname: TYLER, JOHN, HOUSE (COLONIAL HOUSES OF BRANFORD TR)
Faddress: 242-250 E. Main St.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 01-DEC-88
Fagency: Not Reported
Edr id: CT2008000001137

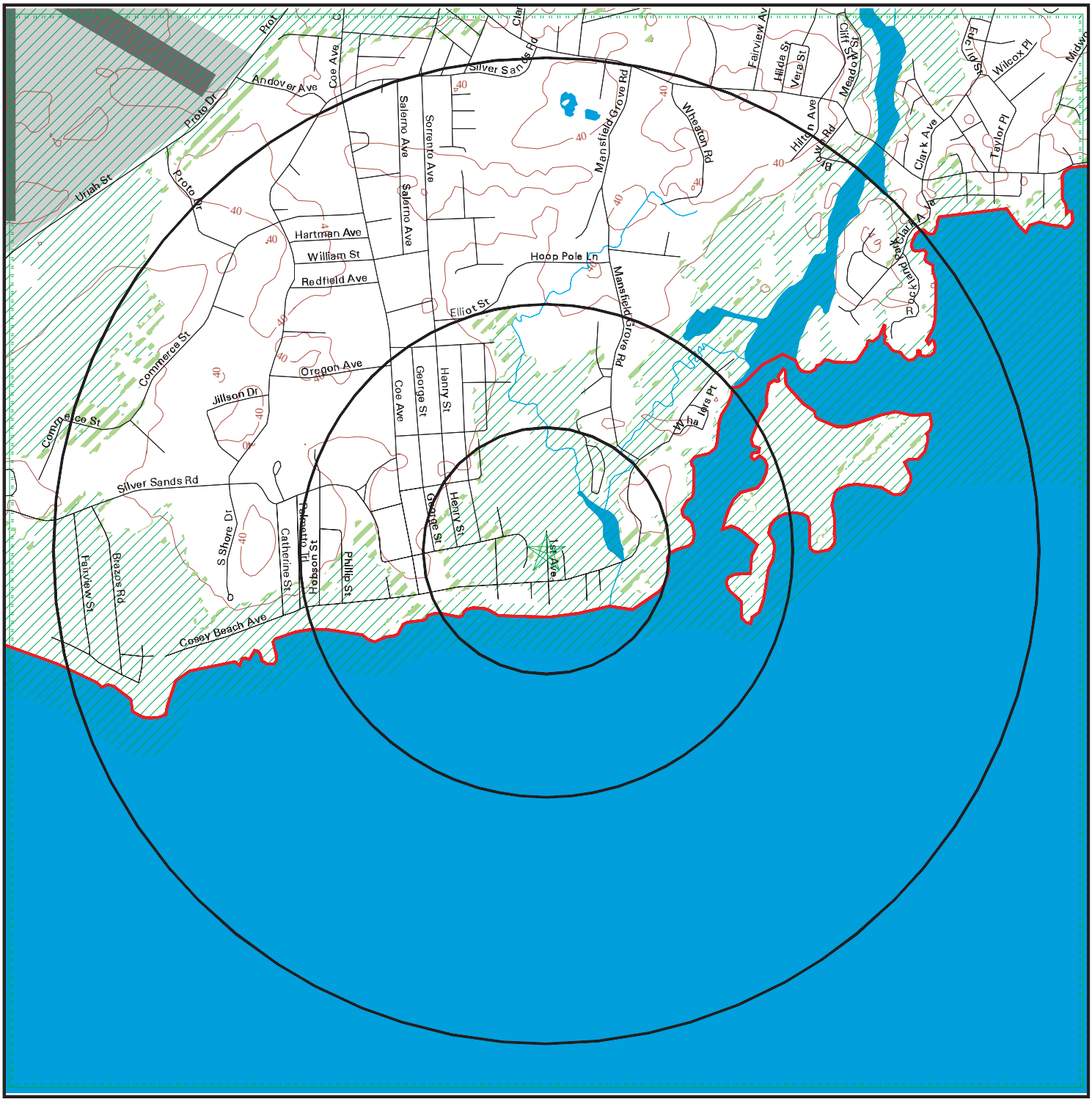
Unmappable
CT2008000001138
CT Historic Sites

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped: **Status**
EDR ID
Database

Fname: TYLER, SOLOMON, HOUSE (COLONIAL HOUSES OF BRANFORD TR)
Faddress: 260-268 E. Main St.
Fcity: BRANFORD
Fcnty: NEW HAVEN COUNTY
Flisted: 01-DEC-88
Fagency: Not Reported
Edr id: CT2008000001138

Flood Plain Map



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

SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.8s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 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

SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.8s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 2014

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Branford OE S
Additional NWI hardcopy map(s) in search area:
Branford
New Haven
Woodmont

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
1 North 1/8-1/4 mi 1094	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250103 / -72.865204	NWI
2 NNW 1/8-1/4 mi 1196	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250122 / -72.866898	NWI
3 NNE 1/8-1/4 mi 1211	E2EM1Pd [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.250103 / -72.863312	NWI
4 NNE 1/4-1/2 mi 1783	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.251865 / -72.863747	NWI
5 NNW 1/4-1/2 mi 2016	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.252441 / -72.867104	NWI
6 ENE 1/4-1/2 mi 2023	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.250103 / -72.859016	NWI
7 ENE 1/4-1/2 mi 2501	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250126 / -72.857040	NWI
8 North 1/4-1/2 mi 2599	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.254101 / -72.863396	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 NNW 1/4-1/2 mi 2611	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.253780 / -72.868629	NWI
10 WNW 1/2-1 mi 2657	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.248962 / -72.874542	NWI
11 WSW 1/2-1 mi 2718	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.244667 / -72.874542	NWI
12 NW 1/2-1 mi 2861	PSS1E [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.252956 / -72.872131	NWI
13 North 1/2-1 mi 3046	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.255402 / -72.866524	NWI
14 WSW 1/2-1 mi 3076	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.245232 / -72.876114	NWI
15 NE 1/2-1 mi 3372	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.252613 / -72.855354	NWI
16 WSW 1/2-1 mi 3395	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.245056 / -72.877251	NWI
17 NE 1/2-1 mi 3412	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.253880 / -72.856644	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 NNE 1/2-1 mi 3489	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.256207 / -72.861290	NWI
19 WNW 1/2-1 mi 3830	PSS1/EMF [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 41.252357 / -72.877258	NWI
20 WNW 1/2-1 mi 3984	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.252464 / -72.877823	NWI
21 West 1/2-1 mi 3985	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.247456 / -72.879684	NWI
22 NNE 1/2-1 mi 4077	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.257553 / -72.859932	NWI
23 ENE 1/2-1 mi 4202	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.253380 / -72.852386	NWI
24 North 1/2-1 mi 4361	PEM1/SS1E [P] Palustrine, [EM] Emergent, [1] Persistent / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.258919 / -72.867668	NWI
25 NNW 1/2-1 mi 4512	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.257744 / -72.873573	NWI
26 North 1/2-1 mi 4534	PSS1E [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.259403 / -72.867653	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
27 WNW 1/2-1 mi 4638	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250648 / -72.881401	NWI
28 North 1/2-1 mi 4661	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.259811 / -72.863327	NWI
29 North 1/2-1 mi 4682	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.259933 / -72.864418	NWI
30 NE 1/2-1 mi 4878	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.256981 / -72.853233	NWI
31 WNW 1/2-1 mi 5000	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.254070 / -72.880867	NWI
32 NE 1/2-1 mi 5052	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.256680 / -72.851921	NWI
33 WNW 1/2-1 mi 5097	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250103 / -72.883301	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 Submergent 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 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 6Deciduous 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

Non-Tidal

A Temporarily Flooded
B Saturated
C Seasonally Flooded
D Seasonally Flooded/ Well Drained
E Seasonally Flooded/ Saturated
F Semipermanently Flooded
G Intermittently Exposed

Tidal

H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U Unknown

CoastalHalinityInlandSalinitypHModifiersfor all Fresh Water

K Artificially Flooded
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded

*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent -Tidal
V Permanent -Tidal
U Unknown

*These water regimes are only used in tidally influenced, freshwater systems.

WATER CHEMISTRY

1 Hyperhaline
2 Euhaline
3 Mixohaline (Brackish)
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

a Acid
t Circumneutral
i Alkaline

SOIL

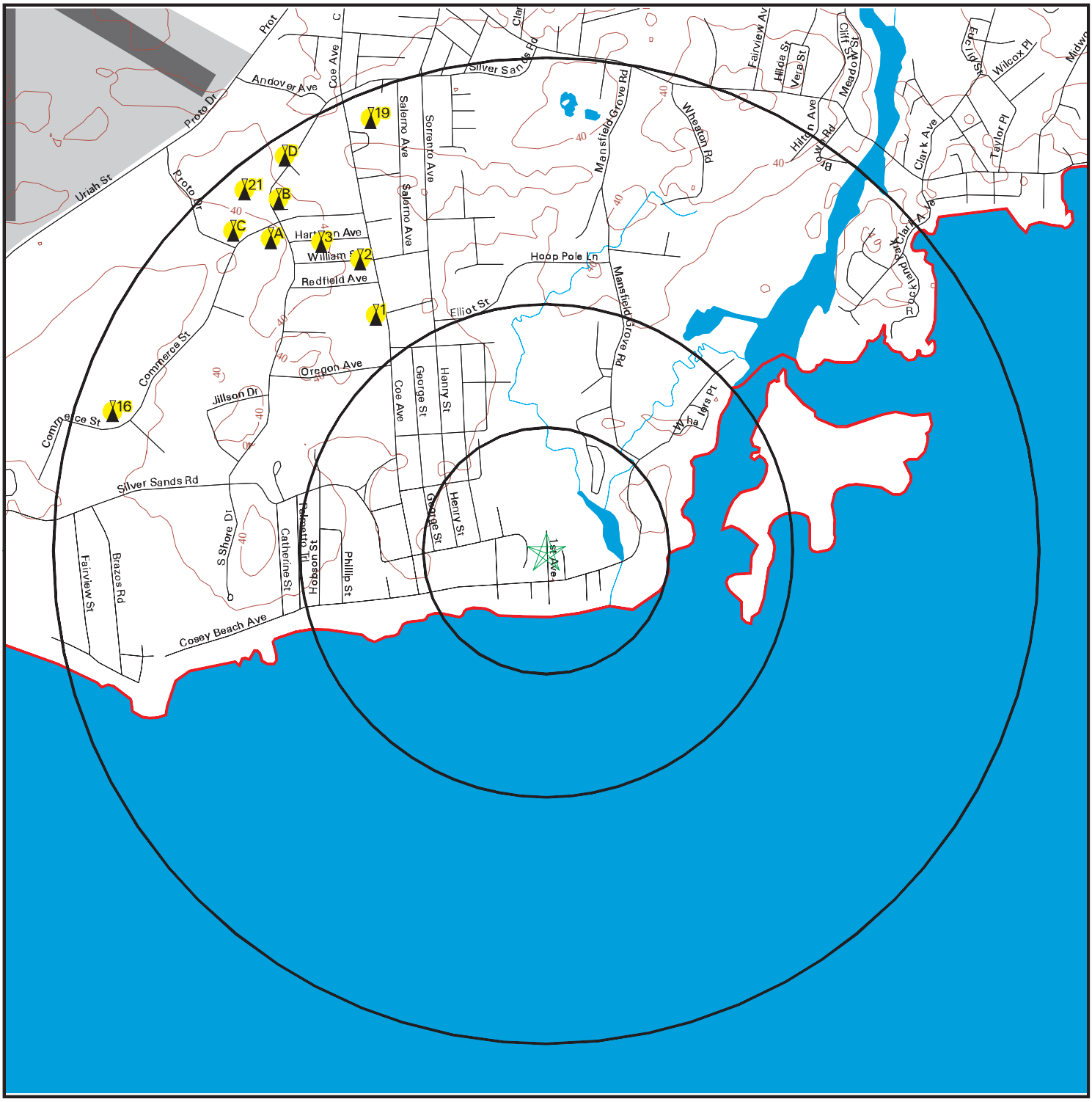
g Organic
n Mineral

SPECIAL MODIFIERS

b Beaver
d Partially Drained/Ditched
f Farmed
h Diked/Impounded
r Artificial Substrate
s Spoil
x Excavated

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.8s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 2014

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
1 NW 1/2-1 mi 3119		DOF130000184587 NOAA_DOF
Dof 1310:	184587	
Dof 1310 id:	184587	
Ors num:	09-020361	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.254036	
Longitude:	-72.871842	
Obs type:	SPIRE	
Quantity:	1	
Agl ht:	70	
Amsl ht:	98	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010277	
Edr id:	DOF130000184587	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

2
NNW
1/2-1 mi
3703

DOF130000184628
NOAA_DOF

Dof 1310:	184628
Dof 1310 id:	184628
Ors num:	09-020596
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.255667
Longitude:	-72.87245
Obs type:	POLE
Quantity:	1
Agl ht:	33
Amsl ht:	67
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184628

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
3 NW 1/2-1 mi 4094		DOF130000184647 NOAA_DOF
Dof 1310:	184647	
Dof 1310 id:	184647	
Ors num:	09-020594	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256181	
Longitude:	-72.873969	
Obs type:	T-L TWR	
Quantity:	1	
Agl ht:	17	
Amsl ht:	59	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184647	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
A4 NW 1/2-1 mi 4301		DOF130000184638 NOAA_DOF
Dof 1310:	184638	
Dof 1310 id:	184638	
Ors num:	09-020588	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.255969	
Longitude:	-72.875522	
Obs type:	POLE	
Quantity:	1	
Agl ht:	28	
Amsl ht:	65	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184638	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
A5 NW 1/2-1 mi 4373		DOF130000184632 NOAA_DOF
Dof 1310:	184632	
Dof 1310 id:	184632	
Ors num:	09-020440	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.255806	
Longitude:	-72.876147	
Obs type:	POLE	
Quantity:	1	
Agl ht:	22	
Amsl ht:	60	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184632	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)	EDR ID Database
A6 NW 1/2-1 mi 4390	TOW100000057883 TOWER

Tower id:	43254
City:	EAST HAVEN
Date active:	Nov 18 1981
Date const:	99/99/1999
Date faa:	Sep 10 1981
Date fcc:	Oct 1 1981
Hgt antenna:	0.0000
Hgt antenna (M):	0.0000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	98.0000
Elev FAA:	98.0000
Elev FAA (M):	29.9000
Elev (M):	29.9000
Hgt structure:	68.0000
Hgt struc faa:	70.0000
Hgt stru faa (M):	21.3000
Hgt struc (M):	20.7000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	0.0000
Tower (M):	0.0000
Id asb acc:	C
Faa id:	81-ANE-228-OE
File num:	00163-IB-102
Name owner:	Not Reported
State:	CT
Address:	259 COMMERCE ST
Action:	OLD
Type stru:	TOW
Type tower:	E
Key site:	55355
Id exam:	Not Reported
Xmit lat:	411522
Xmit long:	0725234
Lat deg:	41
Lat min:	15
Lat sec:	22
Lat second:	148522
Long deg:	72
Long min:	52
Long sec:	34
Long secon:	262354
Key rem:	Not Reported
The date:	Not Reported
Type pl:	Not Reported
Spec cond1:	Not Reported

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW100000057883

This record is for a license, and it may or may not indicate a site which has been built.

A7
NW
1/2-1 mi
4453

DOF130000184652
NOAA_DOF

Dof 1310: 184652
Dof 1310 id: 184652
Ors num: 09-020582
Verificati: O
Country: US
State: CT
City name: EAST HAVEN
Latitude: 41.25635
Longitude: -72.875783
Obs type: TOWER
Quantity: 1
Agl ht: 60
Amsl ht: 93
Lighting: N
H acc: 2
V acc: C
Mark: N
Faa study: 2011ANE01372OE
Action: C
Jdate: 2011272
Edr id: DOF130000184652

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

A8
NW
1/2-1 mi
4471

ANT130000085161
ANTREG

Regnum:	1240728
Filenum:	A0768130
Issuedate:	5/8/2012
Entity:	New Cingular Wireless PCS, LLC
Strucht:	18.3
Strucadd:	259 Commerce Street
Struccity:	East Haven
Strucstate:	CT
Faastudy:	2011-ANE-1372-OE
Faacirc:	70/7460-1K
Licid:	L00024153
Contname:	FCC Group
Contadd:	5601 Legacy Drive, MS: A-3
Contpo:	Not Reported
Contcity:	Plano
Contstate:	TX
Contzip:	75024
Edr id:	ANT130000085161

This record is for a license, and it may or may not indicate a site which has been built.

A9
NW
1/2-1 mi
4518

DOF130000184645
NOAA_DOF

Dof 1310:	184645
Dof 1310 id:	184645
Ors num:	09-020439
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256172
Longitude:	-72.876397
Obs type:	POLE
Quantity:	1
Agl ht:	24
Amsl ht:	60
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
Edr id:	DOF130000184645	

B10
NW
1/2-1 mi
4584

DOF130000184673
NOAA_DOF

Dof 1310:	184673
Dof 1310 id:	184673
Ors num:	09-020438
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.257133
Longitude:	-72.875256
Obs type:	BLDG
Quantity:	1
Agl ht:	14
Amsl ht:	66
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184673

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
A11 NW 1/2-1 mi 4593		DOF130000184663 NOAA_DOF
Dof 1310:	184663	
Dof 1310 id:	184663	
Ors num:	09-020563	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256781	
Longitude:	-72.8759	
Obs type:	POLE	
Quantity:	1	
Agl ht:	34	
Amsl ht:	76	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184663	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
A12 NW 1/2-1 mi 4624		DOF130000184661 NOAA_DOF
Dof 1310:	184661	
Dof 1310 id:	184661	
Ors num:	09-020564	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256639	
Longitude:	-72.876286	
Obs type:	POLE	
Quantity:	1	
Agl ht:	38	
Amsl ht:	72	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184661	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
C13 NW 1/2-1 mi 4674		DOF130000184655 NOAA_DOF
Dof 1310:	184655	
Dof 1310 id:	184655	
Ors num:	09-020574	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256428	
Longitude:	-72.876861	
Obs type:	POLE	
Quantity:	1	
Agl ht:	33	
Amsl ht:	67	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184655	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
C14 NW 1/2-1 mi 4714		DOF130000184648 NOAA_DOF
Dof 1310:	184648	
Dof 1310 id:	184648	
Ors num:	09-020575	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256272	
Longitude:	-72.877286	
Obs type:	POLE	
Quantity:	1	
Agl ht:	34	
Amsl ht:	64	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184648	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
C15 NW 1/2-1 mi 4829		DOF130000184659 NOAA_DOF
Dof 1310:	184659	
Dof 1310 id:	184659	
Ors num:	09-020573	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.256572	
Longitude:	-72.877478	
Obs type:	BLDG	
Quantity:	1	
Agl ht:	23	
Amsl ht:	54	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184659	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

16
WNW
1/2-1 mi
4881

ANT130000095501
ANTREG

Regnum:	1252669
Filenum:	A0639782
Issuedate:	5/28/2009
Entity:	TowerCo Assets LLC
Strucht:	21.9
Strucadd:	60 Commerce Street, CT3672-CT70XC121
Struccity:	East Haven
Strucstate:	CT
Faastudy:	2008-ANE-396-OE
Faacirc:	Not Reported
Licid:	L01469668
Contname:	Susan Hart
Contadd:	5000 Valleystone Drive, Suite 200
Contpo:	Not Reported
Contcity:	Cary
Contstate:	NC
Contzip:	27519
Edr id:	ANT130000095501

This record is for a license, and it may or may not indicate a site which has been built.

B17
NW
1/2-1 mi
4891

DOF130000184693
NOAA_DOF

Dof 1310:	184693
Dof 1310 id:	184693
Ors num:	09-020528
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.257764
Longitude:	-72.876003
Obs type:	POLE
Quantity:	1
Agl ht:	20
Amsl ht:	69
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
Edr id:	DOF130000184693	

C18
NW
1/2-1 mi
4970

DOF130000184662
NOAA_DOF

Dof 1310:	184662
Dof 1310 id:	184662
Ors num:	09-020565
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.256764
Longitude:	-72.877956
Obs type:	POLE
Quantity:	1
Agl ht:	32
Amsl ht:	62
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184662

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

19
NNW
1/2-1 mi
5001

TOW100000032707
TOWER

Tower id:	136719
City:	EAST HAVEN
Date active:	Oct 16 1997
Date const:	Not Reported
Date faa:	Oct 2 1997
Date fcc:	Mar 17 1997
Hgt antenna:	20.0000
Hgt antenna (M):	6.1000
Hgt beacon:	0.0000
Hgt beacon (M):	0.0000
Elevation:	95.0000
Elev FAA:	95.0000
Elev FAA (M):	29.0000
Elev (M):	29.0000
Hgt structure:	85.0000
Hgt struc faa:	85.0000
Hgt stru faa (M):	25.9000
Hgt struc (M):	25.9000
Supporting Struc Hgt:	0.0000
Supp. Struct Hgt (M):	0.0000
Tower Hgt:	65.0000
Tower (M):	19.8000
Id asb acc:	Not Reported
Faa id:	97-ANE-0335-OE
File num:	D073992C
Name owner:	DOUBLE A TRANSPORTATION
State:	CT
Address:	418 SHORT BEACH RD
Action:	ADD
Type stru:	TOW
Type tower:	E
Key site:	87944
Id exam:	PRB1
Xmit lat:	411535
Xmit long:	0725221
Lat deg:	41
Lat min:	15
Lat sec:	35
Lat second:	148535
Long deg:	72
Long min:	52
Long sec:	21
Long secon:	262341
Key rem:	Not Reported
The date:	Not Reported
Type pl:	Not Reported
Spec cond1:	Not Reported

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW100000032707

This record is for a license, and it may or may not indicate a site which has been built.

D20
NNW
1/2-1 mi
5030

DOF130000184719
NOAA_DOF

Dof 1310: 184719
Dof 1310 id: 184719
Ors num: 09-020434
Verificati: O
Country: US
State: CT
City name: NEW HAVEN
Latitude: 41.258822
Longitude: -72.874858
Obs type: POLE
Quantity: 1
Agl ht: 31
Amsl ht: 61
Lighting: U
H acc: 2
V acc: C
Mark: U
Faa study: Not Reported
Action: A
Jdate: 2010286
Edr id: DOF130000184719

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
21 NW 1/2-1 mi 5042		DOF130000184690 NOAA_DOF
Dof 1310:	184690	
Dof 1310 id:	184690	
Ors num:	09-020544	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.257714	
Longitude:	-72.876958	
Obs type:	BLDG	
Quantity:	1	
Agl ht:	13	
Amsl ht:	64	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184690	

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

D22
NW
1/2-1 mi
5099

DOF130000184712
NOAA_DOF

Dof 1310:	184712
Dof 1310 id:	184712
Ors num:	09-020436
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.258433
Longitude:	-72.876078
Obs type:	BLDG
Quantity:	1
Agl ht:	17
Amsl ht:	60
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184712

FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)		EDR ID Database
D23 NNW 1/2-1 mi 5100		DOF130000184721 NOAA_DOF
Dof 1310:	184721	
Dof 1310 id:	184721	
Ors num:	09-020437	
Verificati:	O	
Country:	US	
State:	CT	
City name:	NEW HAVEN	
Latitude:	41.258872	
Longitude:	-72.875231	
Obs type:	BLDG	
Quantity:	1	
Agl ht:	15	
Amsl ht:	47	
Lighting:	U	
H acc:	2	
V acc:	C	
Mark:	U	
Faa study:	Not Reported	
Action:	A	
Jdate:	2010286	
Edr id:	DOF130000184721	

FCC & FAA SITES MAP FINDINGS
AIRPORTS

EDR ID
Database

AIR02989
AIRPORTS

Rec type:	APT
Site number:	02858.*A
Airport type:	AIRPORT
State:	CONNECTICUT
County:	NEW HAVEN
City:	NEW HAVEN
Facility:	TWEED-NEW HAVEN
Owner type:	PU
Use:	PU
Owner:	CITY OF NEW HAVEN
Owner address:	770 CHAPEL STREET
City/State:	NEW HAVEN, CT 06510
Phone:	203-946-8222
Mgmt name:	RICHARD LAMPORT
Mgmt address:	155 BURR ST
Mgmt city:	NEW HAVEN, CT 06512
Mgmt phone:	203-466-8833
Latitude:	41-15-50.036N
Longitude:	072-53-13.560W
Latlong method:	E
Elev ft:	14
Elev method:	S
Aero chart:	NEW YORK
Dist from Biz:	03
Direc from Biz:	SE
Date Active:	12/1903
Date Certified:	AS 05/1973
Fed agreements:	NGY3
Intl airport?:	N
Customs airport?:	Y
Inspection Method:	F
Inspected by:	F
Last inspected:	09161999
Attendance:	ALL/ALL/0600-2030
Lighting:	ATC-CTL
Atc tower?:	Y
Beacon color:	CG
Land fee:	Y
Single engine:	062
Multi engine:	009
Jet engines:	001
Helicopters:	Not Reported
Gliders:	Not Reported
Military:	Not Reported
Ulight air:	Not Reported
Commercial:	006349
Air taxi:	011293
Local ops:	025069
Edr id:	AIR02989
Rec type:	RWY

FCC & FAA SITES MAP FINDINGS
AIRPORTS

EDR ID
Database

Lf site nu:	02858.*A
Runway id:	02/20
Runway length:	5600
Runway width:	150
Surface:	ASPH
Lights intensity:	HIGH
Base end id:	02
Markings:	PIR
Latitude:	41-15-21.782N
Longitude:	072-53-17.679W
Elevation:	7.5
Approach lights:	MALSF
End lights:	Not Reported
Centerline lights:	Not Reported
Touchdown lights:	Not Reported
Recip end id:	20
Recip markings:	NPI
Recip lat:	41-16-17.040N
Recip long:	072-53-13.951W
Recip elev:	13.0
Reci app lights:	Not Reported
Recip end lights:	Not Reported
Reci center lights:	Not Reported
Recip td lights:	Not Reported
Rec type:	RWY
Lf site nu:	02858.*A
Runway id:	14/32
Runway length:	3175
Runway width:	100
Surface:	ASPH
Lights intensity:	MED
Base end id:	14
Markings:	BSC
Latitude:	41-16-01.465N
Longitude:	072-53-25.228W
Elevation:	6.1
Approach lights:	Not Reported
End lights:	Not Reported
Centerline lights:	Not Reported
Touchdown lights:	Not Reported
Recip end id:	32
Recip markings:	BSC
Recip lat:	41-15-40.812N
Recip long:	072-52-53.937W
Recip elev:	5.0
Reci app lights:	Not Reported
Recip end lights:	Not Reported
Reci center lights:	Not Reported
Recip td lights:	Not Reported

FCC & FAA SITES MAP FINDINGS
POWERLINES

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

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.

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 Sprinng, 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.

Electric Power Transmission Line Data
Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

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

Toth Residence
43 First Avenue
East Haven, CT 06512

Inquiry Number: 3890974.2s
March 25, 2014

The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

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

43 FIRST AVENUE
EAST HAVEN, CT 06512

COORDINATES

Latitude (North):	41.2471000 - 41° 14' 49.56''
Longitude (West):	72.8652000 - 72° 51' 54.72''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	678878.1
UTM Y (Meters):	4568173.5
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	41072-B7 BRANFORD OE S, CT
Most Recent Revision:	0
North Map:	41072-C7 BRANFORD, CT
Most Recent Revision:	1984
West Map:	41072-B8 WOODMONT, CT
Most Recent Revision:	1976
Northwest Map:	41072-C8 NEW HAVEN, CT
Most Recent Revision:	1984

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

EXECUTIVE SUMMARY

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
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 - equivalent CERCLIS

SHWS ---------- Inventory of Hazardous Disposal Sites

SDADB Site Discovery and Assessment Database

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

UST Underground Storage Tank Data
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
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

ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
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
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
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
COAL ASH DOE ---- Steam-Electric Plant Operation Data
US FIN ASSUR ---- Financial Assurance Information
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS ---- Lead Smelter Sites
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PRP ---- Potentially Responsible Parties
SEH ---- List of Significant Environmental Hazards Report to DEEP
2020 COR ACTION ---- 2020 Corrective Action Program List
PCB TRANSFORMER ---- PCB Transformer Registration Database
EPA WATCH LIST ---- EPA WATCH LIST
Financial Assurance ---- Financial Assurance Information Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

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 02/11/2014 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANSFIELD LANDING MARINA	***MANSFIELD GROVE ROAD***	***NNE 1/4 - 1/2 (0.380 mi.)***	***1***	***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 07/12/2013 has revealed that there is 1 CPCS site within approximately 0.5 miles of the target property.

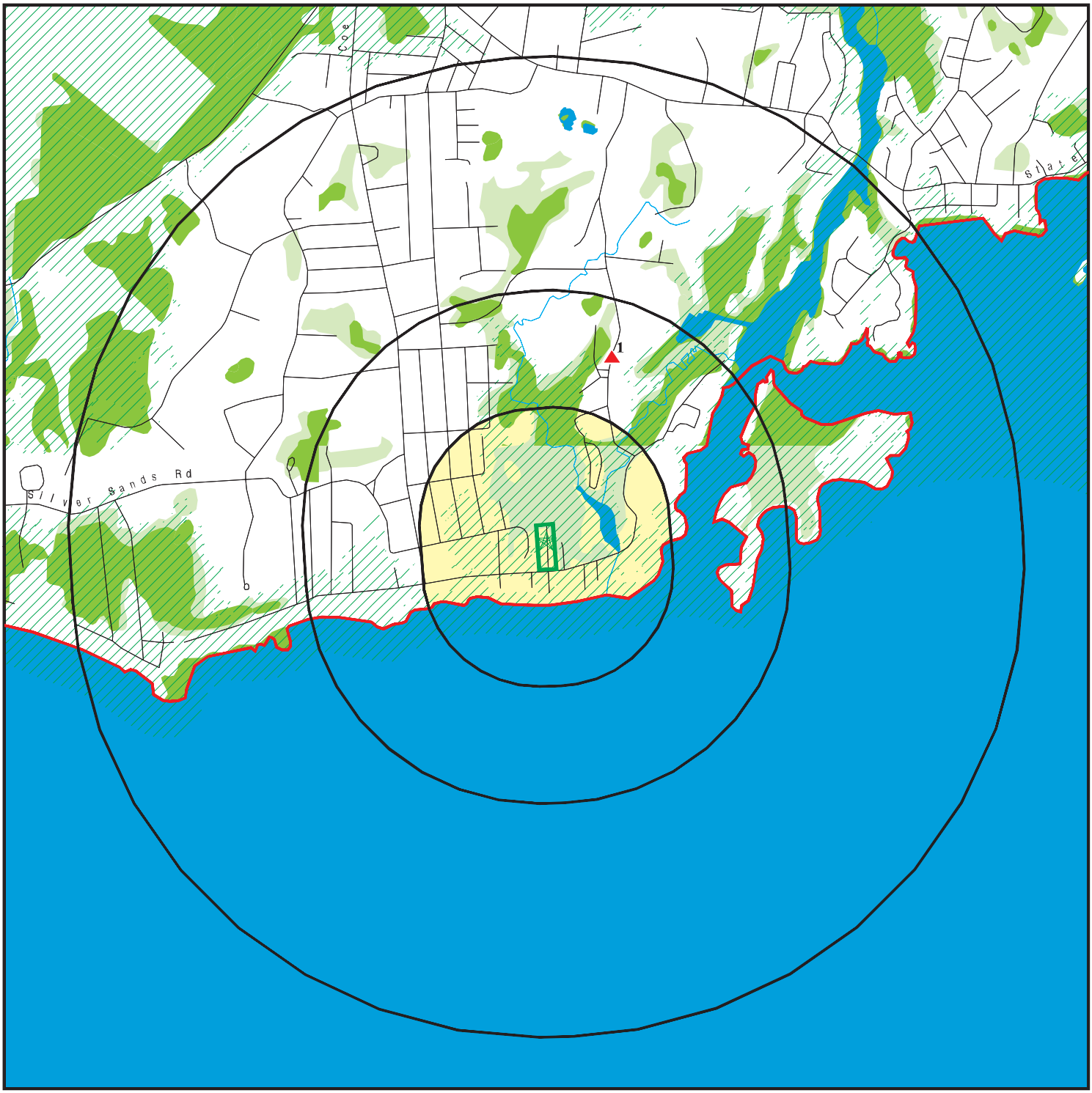
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANSFIELD LANDING MARINA	*MANSFIELD GROVE ROAD*	*NNE 1/4 - 1/2 (0.380 mi.)*	*1*	*7*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
BLAKESLEY CHAPMAN ARPIA CONCRETE	CPCS
GETTY STATION	CPCS
BRANFORD HARBOR (C70172)	SPILLS, CPCS
BRANFORD TEXACO (BRANFORD SERVICE	CPCS
LAVIERO METALS	SHWS, SDADB, LWDS, CT PROPERTY, CPCS, RGA HWS
LAKE SALTINSTALL W. T. P.	LUST, RGA LUST, CPCS
TONY'S TEXACO	LUST, RGA LUST, CPCS
EAST HAVEN FINISHING CO.	LUST, RGA LUST, CPCS
PETHICK RESIDENCE	LUST, RGA LUST, CPCS
RICHARDS RESIDENCE	LUST, RGA LUST, CPCS
CURRENT INC.	SHWS, SDADB, NPDES, CPCS, RGA HWS
CONN DEPARTMENT OF TRANSPORTATION	MANIFEST
AUTOMOTIVEONTROLS	MANIFEST
CL&P	MANIFEST
BLAKESLEE PRE STRESS	MANIFEST
ROBINSON TAPE & LABELS INC	MANIFEST
ROBINSON TAPE & LABELS INC	MANIFEST
AUTOMOTIVE CONTROLS CORP	MANIFEST
AUTOMOTIVE CONTROLS CORP	MANIFEST
SOUTH CENTRAL REGIONAL WATER AUTHO	MANIFEST

OVERVIEW MAP - 3890974.2s



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

0 1/4 1/2 1 Miles

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:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
LAT/LONG:	41.2471 / 72.8652	INQUIRY #:	3890974.2s
		DATE:	March 25, 2014 6:37 pm

DETAIL MAP - 3890974.2s

0 1/16 1/8 1/4 Miles

- 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: Toth Residence	CLIENT: Freeman Companies LLC
ADDRESS: 43 First Avenue East Haven CT 06512	CONTACT: Doug Brink INQUIRY #: 3890974.2s
LAT/LONG: 41.2471 / 72.8652	DATE: March 25, 2014 6:37 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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
SDADB	0.500		0	0	0	NR	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	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
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
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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
Local Lists of Hazardous waste / Contaminated Sites								
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
Local Land Records								
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
Records of Emergency Release Reports								
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
Other Ascertainable Records								
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
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	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
SEH	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
CPCS	0.500		0	0	1	NR	NR	1
Financial Assurance	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

1
NNE
1/4-1/2
0.380 mi.
2006 ft.

MANSFIELD LANDING MARINA
MANSFIELD GROVE ROAD
EAST HAVEN, CT 06512

LUST
RGA LUST
CPCS

S105458674
N/A

Relative:
Higher

Actual:
12 ft.

LUST:

LUST Id:	7551
UST Facility Id:	5269
LUST Case Id:	35602
Lust Status:	Lust Completed
Processing Status:	Not reported
EPA Reportable:	True
Motor Fuel:	True
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:	02/06/1998
Entry Date:	Not reported
Site Case Id:	9703835
UST Site Id:	684
Cost Recovery Spill Case #:	Not reported
Old SITS Number:	Not reported
Case Log Id:	Not reported
Monthly Report Id:	0
UST Owner Id:	2966
LUST Owner Id:	Not reported
UST Event Id:	7677
Contact Info:	Not reported
Contact EMail:	Not reported
Site Contact City,St,Zip:	UNKNOWN
2nd Contact:	Stephen Brown (HRP Associates)
2nd Contact EMail:	Not reported
2nd Contact Address:	167 New Britain Avenue
2nd Contact City,St,Zip:	110, CT 06062
2nd Contact Address 2:	Not reported
2nd Contact City 2:	Plainville
2nd Contact Phone Number:	8607936899
2nd Contact Fax Number:	8607936871
2nd Contact Type:	Not reported
Facility City Num:	44
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

MANSFIELD LANDING MARINA (Continued) **S105458674**

Date Referred:	Not reported
Emergency:	False
Private Heating Fuel:	False
Commercial Heating Fuel:	True
Commercial HF < 2100 Gal.:	False
Commercial HF > 2100 Gal.:	False
Commercial HF - Size Unk:	False
No LUST Site:	False
Cost Recvry Prgm Candidate:	False
OCSRD Complete:	False
Follow Up Flag:	False
Alternate Water Supply:	False
Relocation:	False
Responsible Party:	False
Responsible EMail:	Not reported
Resp Party Name:	The Trust for Public Land
Resp Party Address:	389 Whitney Avenue
Resp Party City,St,Zip:	New Haven, CT 06511
Resp Party Town Number:	93
Resp Party Phone:	2037777367
Resp Party Fax:	2037777488
Resp Party Name 2:	Julie M. Iffland (Connecticut Project Office)
Resp Party Address 2:	Not reported
Resp Party Phone 2:	Not reported
Investigator Id:	10
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:	GA
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

MANSFIELD LANDING MARINA (Continued) **S105458674**

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
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:	Allison Forrest/AForrest
Date Stamp:	09/29/2011
Correspondence:	Not reported
Environmental Impact:	Not reported
FollowUp:	Not reported
GW Comments:	Site is GA as of December 1997, it was formerly a GB/GA area.
Location Desc:	Surficial geology: finer grained organic rich silt.Bedrock was encountered at a depth of 2 ftbg,
NOV Comments:	Not reported
Release Desc:	Not reported
Running Comments:	File in LUST CabinetUST Facility Notification Form ID: 44-5269 or 44-08945?
Work Performed:	Not reported

RGA LUST:

2012 MANSFIELD LANDING MARINA 167 MANSFIELD GROVE ROAD AND 115 BROWN ROAD
2011 MANSFIELD LANDING MARINA 167 MANSFIELD GROVE ROAD AND 115 BROWN ROAD

CPCS:

Site Type:	LUST
Lust Status:	LUST Completed (DEP's significant hazard definition)
PTP Form:	Not reported
Program:	Not reported
Comments:	Ust Cleanup Fund Id: 684Ust Facility Notification Form Id: 44-5269According To The Tank Removal Report By Hrp Associates Inc. Of

MANSFIELD LANDING MARINA (Continued) **S105458674**

Plainville, Ct, 1x3k Gasoline And 1x275 Hf2 Usts Were Removed From The Subject Facility On 2/6/98.571.89 Tons Of Co

Site Type Definition: Leaking Underground Storage Tanks Completed

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BRANFORD	S113476495	CONN DEPARTMENT OF TRANSPORTATION	RTE 1 (I-95)	06405	MANIFEST
BRANFORD	S113474158	AUTOMOTIVEONTROLS	RTE 1 & ECHIN RD	06405	MANIFEST
BRANFORD	S109735912	CL&P	RT 1	06405	MANIFEST
BRANFORD	S113478355	BLAKESLEE PRE STRESS	RTE 139	06405	MANIFEST
BRANFORD	S105738617	BLAKESLEY CHAPMAN ARPIA CONCRETE	RTE 139	06405	CPCS
BRANFORD	S105935497	GETTY STATION	RTE. 80 (208 FOXON BLVD)	06405	CPCS
BRANFORD	S101803710	BRANFORD HARBOR (C70172)	BRANFORD HARBOR	06405	SPILLS, CPCS
BRANFORD	S109727140	ROBINSON TAPE & LABELS INC	FLAX HILL RD RTE 139	06405	MANIFEST
BRANFORD	S109727139	ROBINSON TAPE & LABELS INC	FLAX HILL RD RT 139	06405	MANIFEST
BRANFORD	S110775079	BRANFORD TEXACO (BRANFORD SERVICE	379 EAST MAIN STREET, RTE.1 &	06405	CPCS
BRANFORD	1000494183	LAVIERO METALS	894 MIDDLE STREET	06405	SHWS, SDADB, LWDS, CT PROPERT CPCS, RGA HWS
BRANFORD	S109724876	AUTOMOTIVE CONTROLS CORP	US ROUTE 1	06405	MANIFEST
BRANFORD	S109724877	AUTOMOTIVE CONTROLS CORP	US RT 1	06405	MANIFEST
EAST HAVEN	S110762393	LAKE SALTINSTALL W. T. P.	RTE. 1	06512	LUST, RGA LUST, CPCS
EAST HAVEN	S109737735	SOUTH CENTRAL REGIONAL WATER AUTHO	RTE 1		MANIFEST
EAST HAVEN	S105840051	TONY'S TEXACO	RTE. 42	06512	LUST, RGA LUST, CPCS
EAST HAVEN	S105738645	EAST HAVEN FINISHING CO.	RTE 80	06512	LUST, RGA LUST, CPCS
EAST HAVEN	S105738691	PETHICK RESIDENCE	HELLESTROM RD.	06512	LUST, RGA LUST, CPCS
EAST HAVEN	S105738853	RICHARDS RESIDENCE	RICHARDS WAY	06512	LUST, RGA LUST, CPCS
EAST HAVEN	1001625432	CURRENT INC.	30 TYLER STREET	06512	SHWS, SDADB, NPDES, CPCS, RGA HWS

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
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 01/21/2014
Next Scheduled EDR Contact: 04/21/2014
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
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 01/09/2014
Next Scheduled EDR Contact: 04/21/2014
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
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
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 78

Source: EPA
Telephone: N/A
Last EDR Contact: 01/09/2014
Next Scheduled EDR Contact: 04/21/2014
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
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
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: 05/31/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 151

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/10/2014
Next Scheduled EDR Contact: 04/21/2014
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
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
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: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
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: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
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: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
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: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

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: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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: 12/17/2013
Date Data Arrived at EDR: 01/14/2014
Date Made Active in Reports: 01/28/2014
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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: 11/20/2013
Date Data Arrived at EDR: 11/21/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 95

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
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: 09/30/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/07/2014
Next Scheduled EDR Contact: 04/14/2014
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
Date Data Arrived at EDR: 04/23/2010
Date Made Active in Reports: 05/25/2010
Number of Days to Update: 32

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/23/2010
Date Made Active in Reports: 05/25/2010
Number of Days to Update: 32

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 10/30/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 37

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3366
Last EDR Contact: 10/30/2013
Next Scheduled EDR Contact: 02/11/2014
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: 02/11/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 19

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Semi-Annually

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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

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: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013
Date Data Arrived at EDR: 08/27/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 66
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

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: 12/02/2013
Date Data Arrived at EDR: 12/03/2013
Date Made Active in Reports: 12/10/2013
Number of Days to Update: 7
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3376
Last EDR Contact: 03/03/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Semi-Annually

AST: Marine Terminals and Tank Information
A listing of bulk petroleum facilities that receive petroleum by a vessel.

Date of Government Version: 07/01/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 07/30/2013
Number of Days to Update: 22

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3233
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 01/20/2014
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: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 02/13/2014
Date Data Arrived at EDR: 02/14/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 10

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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).

Date of Government Version: 01/29/2014
Date Data Arrived at EDR: 01/29/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 42

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Semi-Annually

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: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

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: 07/29/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 92

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

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: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
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: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 07/29/2013
Date Data Arrived at EDR: 07/30/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 129

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Quarterly

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: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
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: 02/07/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Varies

AUL: ELUR Sites

Environmental Land Use Restriction sites.

Date of Government Version: 02/11/2014
Date Data Arrived at EDR: 02/13/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 27

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3912
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Sites
Sites involved in the Voluntary Remediation Program.

Date of Government Version: 02/11/2014
Date Data Arrived at EDR: 02/13/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 35
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
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: 09/17/2013
Date Data Arrived at EDR: 10/01/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 66
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

State and tribal Brownfields sites

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: 10/22/2013
Date Data Arrived at EDR: 10/29/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 38
Source: Connecticut Brownfields Redevelopment Authority
Telephone: 860-258-7833
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Varies

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 contaminanta?|"

Date of Government Version: 11/30/2004
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/09/2009
Number of Days to Update: 13
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 09/27/2013
Next Scheduled EDR Contact: 01/08/2014
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.

Date of Government Version: 09/24/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/20/2014
Next Scheduled EDR Contact: 07/07/2014
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: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities
A listing of recycling facilities.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/02/2011
Date Made Active in Reports: 06/27/2011
Number of Days to Update: 25

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3223
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
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: 12/04/2013
Date Data Arrived at EDR: 12/10/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 65

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab locations included in the Spills database.

Date of Government Version: 01/28/2014
Date Data Arrived at EDR: 01/30/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 41
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3361
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2014
Next Scheduled EDR Contact: 06/16/2014
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: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing
A listing of environmental liens placed by the Cost Recovery Program.

Date of Government Version: 02/19/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 19
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3120
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
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: 02/11/2014
Date Data Arrived at EDR: 02/13/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 35
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3705
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
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.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 52

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 01/13/2014
Data Release Frequency: Annually

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

Date of Government Version: 01/28/2014
Date Data Arrived at EDR: 01/30/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 41

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3024
Last EDR Contact: 01/06/2014
Next Scheduled EDR Contact: 04/21/2014
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: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (888) 372-7341
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/06/2014
Next Scheduled EDR Contact: 05/19/2014
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: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
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
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
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
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
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: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/05/2014
Next Scheduled EDR Contact: 06/16/2014
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
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2014
Next Scheduled EDR Contact: 06/09/2014
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
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/07/2014
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2014
Next Scheduled EDR Contact: 05/12/2014
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: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61
Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 04/28/2014
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
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/28/2014
Next Scheduled EDR Contact: 04/28/2014
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
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
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: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 61
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/10/2014
Next Scheduled EDR Contact: 04/21/2014
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).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (617) 918-1111
Last EDR Contact: 03/14/2014
Next Scheduled EDR Contact: 06/23/2014
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: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 02/28/2014
Next Scheduled EDR Contact: 06/09/2014
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: 01/10/2014
Next Scheduled EDR Contact: 04/28/2014
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: 02/21/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Annually

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: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
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: 01/27/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 43

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3265
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

NPDES: Wastewater Permit Listing

A listing of permits issued by the DEP.

Date of Government Version: 01/02/2014
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/20/2014
Number of Days to Update: 48

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3832
Last EDR Contact: 12/30/2013
Next Scheduled EDR Contact: 04/14/2014
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: 01/27/2014
Next Scheduled EDR Contact: 05/12/2014
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: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
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.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: N/A

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2014
Next Scheduled EDR Contact: 04/21/2014
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: 11/27/2013
Date Data Arrived at EDR: 01/23/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3766
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
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
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
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: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

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: 07/12/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 10/30/2013
Number of Days to Update: 21

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3766
Last EDR Contact: 02/10/2014
Next Scheduled EDR Contact: 05/26/2014
Data Release Frequency: Quarterly

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: 06/18/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 07/30/2013
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-418-5930
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
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: 12/02/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 07/30/2013
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-418-5930
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
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
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/30/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
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: 11/20/2013
Date Data Arrived at EDR: 12/03/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 72
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/14/2014
Next Scheduled EDR Contact: 06/02/2014
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30
Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30
Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Varies

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 US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A
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 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

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: 01/17/2014
Next Scheduled EDR Contact: 04/28/2014
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: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 03/12/2014
Next Scheduled EDR Contact: 05/19/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/24/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Annually

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

Date of Government Version: 12/30/2013
Date Data Arrived at EDR: 02/11/2014
Date Made Active in Reports: 03/11/2014
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
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.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TOTH RESIDENCE
43 FIRST AVENUE
EAST HAVEN, CT 06512

TARGET PROPERTY COORDINATES

Latitude (North):	41.2471 - 41° 14' 49.56''
Longitude (West):	72.8652 - 72° 51' 54.72''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	678878.1
UTM Y (Meters):	4568173.5
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	41072-B7 BRANFORD OE S, CT
Most Recent Revision:	0
North Map:	41072-C7 BRANFORD, CT
Most Recent Revision:	1984
West Map:	41072-B8 WOODMONT, CT
Most Recent Revision:	1976
Northwest Map:	41072-C8 NEW HAVEN, CT
Most Recent Revision:	1984

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

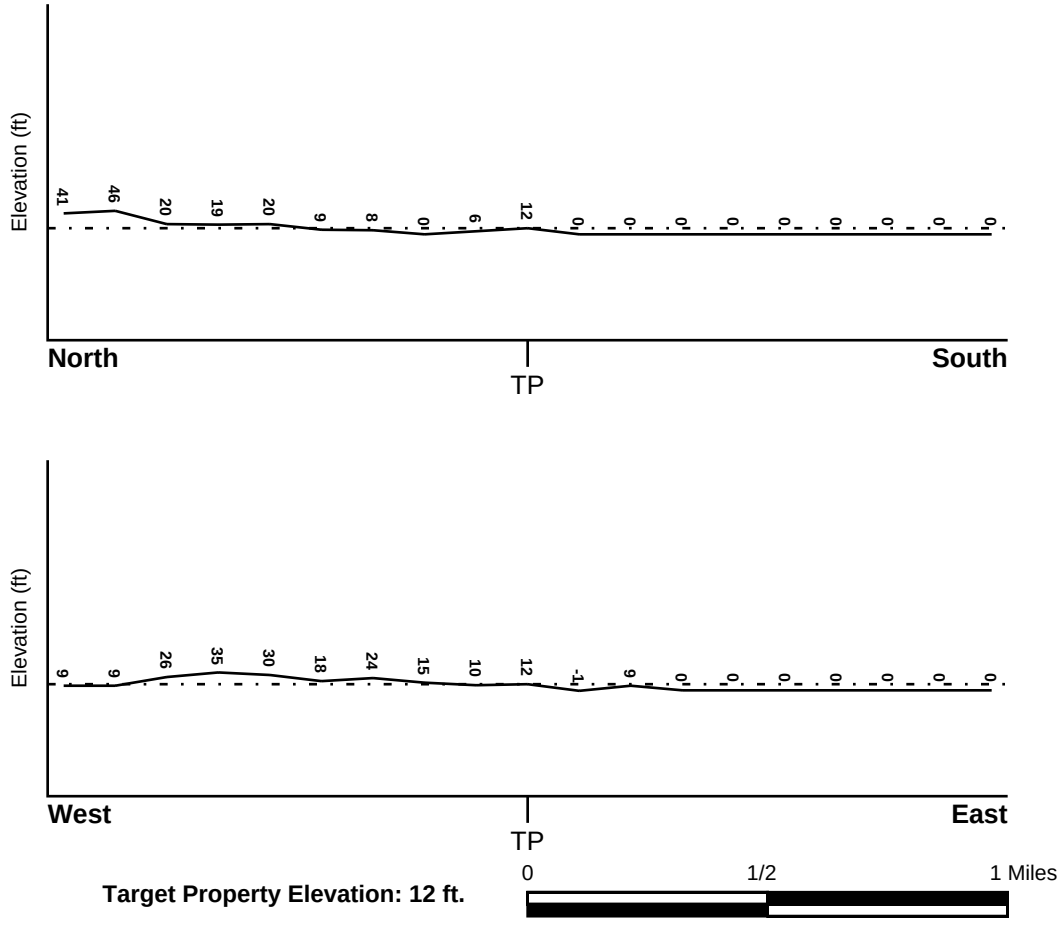
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
NEW HAVEN, CT	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 09009C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BRANFORD OE S	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

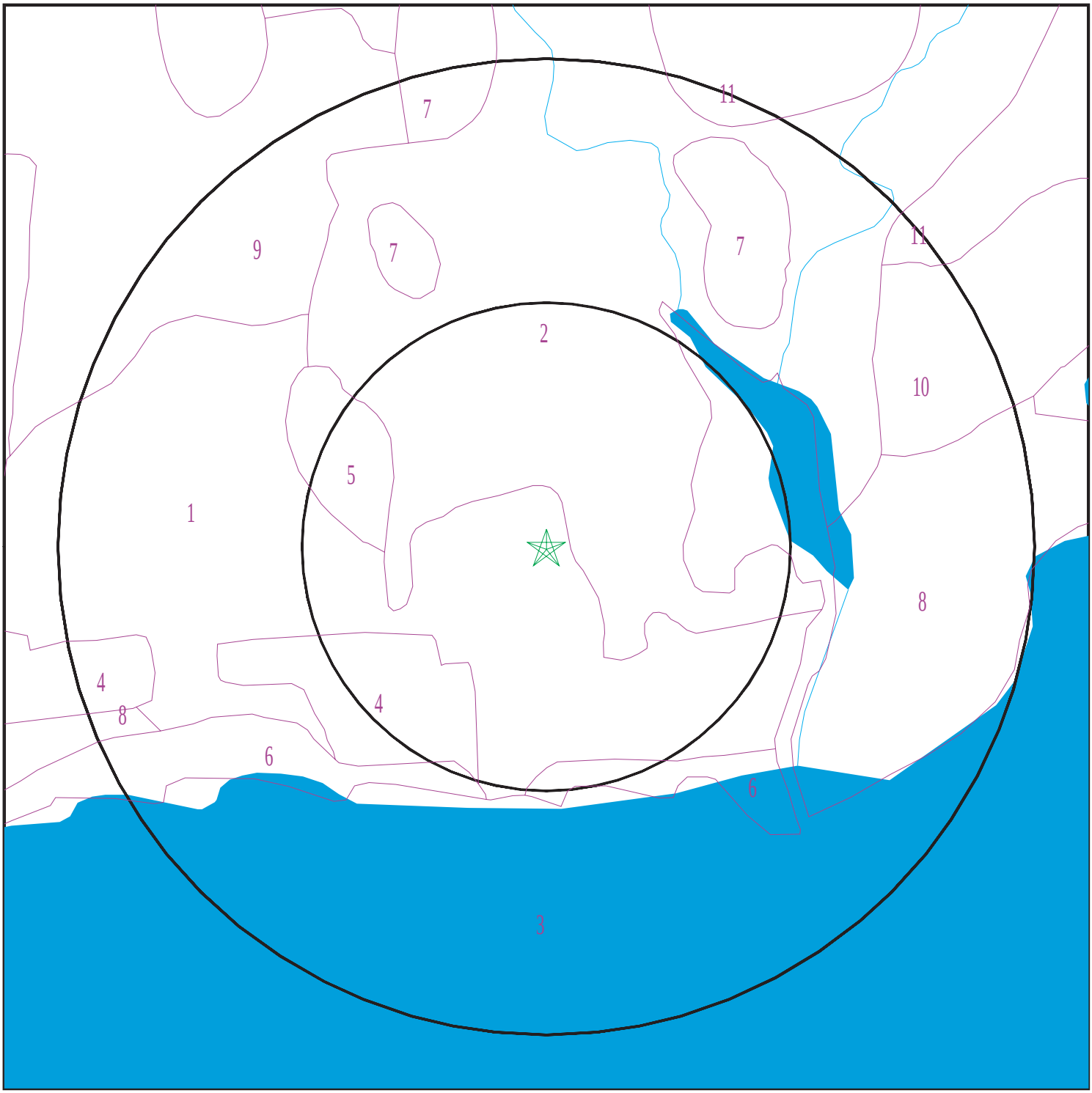
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3890974.2s



SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.2s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 2014 6:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Branford

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	18 inches	24 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	24 inches	64 inches	stratified very gravelly coarse sand to loamy fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 703 Min: 42	Max: 6 Min: 4.5

Soil Map ID: 2

Soil Component Name: Westbrook

Soil Surface Texture: mucky peat

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	mucky peat	A-8	Highly organic soils, Peat.	Max: 141 Min: 4	Max: Min:
2	9 inches	40 inches	mucky peat	A-8	Highly organic soils, Peat.	Max: 141 Min: 4	Max: Min:
3	40 inches	48 inches	mucky peat	A-8	Highly organic soils, Peat.	Max: 141 Min: 4	Max: Min:
4	48 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 0.01	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
5	64 inches	98 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 0.01	Max: Min:

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: mucky peat

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Urban land

Soil Surface Texture: material

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	material	Not reported	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 5

Soil Component Name: Branford

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 46 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	18 inches	24 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	24 inches	64 inches	stratified very gravelly coarse sand to loamy fine sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 703 Min: 42	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Beaches

Soil Surface Texture: gravelly sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	64 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 705 Min: 141.14	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 7

Soil Component Name: Holyoke

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 2 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Organic Clay or Organic Silt.	Max: 141 Min: 42	Max: 6 Min: 3.5
2	1 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 3.5
3	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 3.5
4	7 inches	18 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 3.5
5	18 inches	27 inches	unweathered bedrock	Not reported	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 8

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
2	5 inches	21 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 0.01	Max: 7.8 Min: 4.5
3	21 inches	79 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 0.01	Max: 7.8 Min: 4.5

Soil Map ID: 9

Soil Component Name: Manchester

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 4.5
2	9 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 4.5
3	18 inches	64 inches	stratified extremely gravelly coarse sand to very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 4.5

Soil Map ID: 10

Soil Component Name: Holyoke

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 2 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Organic Clay or Organic Silt.	Max: 141 Min: 42	Max: 6 Min: 3.5
2	1 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6 Min: 3.5
3	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 3.5
4	7 inches	18 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 6 Min: 3.5
5	18 inches	27 inches	unweathered bedrock	Not reported	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 11

Soil Component Name: Cheshire

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 46 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	16 inches	25 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
4	25 inches	64 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000224646	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3890974.2s

County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
EPA Designated Sole Src. Aq.

N

SITE NAME:	Toth Residence	CLIENT:	Freeman Companies LLC
ADDRESS:	43 First Avenue East Haven CT 06512	CONTACT:	Doug Brink
		INQUIRY #:	3890974.2s
LAT/LONG:	41.2471 / 72.8652	DATE:	March 25, 2014 6:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
WNW | **FED USGS** | **USGS40000224646**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-CT		
Formal name:	USGS Connecticut Water Science Center		
Monloc Identifier:	USGS-411457072524501		
Monloc name:	CT-EHV 70		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	01100004	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	41.2492637
Longitude:	-72.8787117	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25.00
Vert measure units:	feet	Vertacc measure val:	5.
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	16
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 322

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-03-25	8.22		1980-02-26	12.91	
1980-01-29	12.29		1979-12-26	12.28	
1979-11-27	12.54		1979-10-22	12.15	
1978-12-27	10.54		1978-11-29	14.01	
1978-10-25	13.90		1978-09-27	14.11	
1978-08-28	13.39		1978-07-25	12.84	
1978-06-26	11.29		1978-05-25	9.67	
1978-04-25	9.63		1978-03-28	7.88	
1978-02-23	9.17		1978-01-24	9.57	
1977-12-21	9.07		1977-11-23	10.27	
1977-10-27	10.90		1977-09-28	13.88	
1977-08-26	14.74		1977-07-27	13.96	
1977-06-23	11.93		1977-05-25	10.37	
1977-04-26	9.48		1977-03-28	8.03	
1977-02-22	12.47		1977-01-26	11.90	
1976-12-23	12.03		1976-11-19	11.68	
1976-10-26	11.75		1976-09-27	12.93	
1976-08-24	10.96		1976-07-27	14.03	
1976-06-22	12.44		1976-05-25	11.14	
1976-04-27	10.46		1976-03-26	9.21	
1976-02-25	8.64		1976-01-28	8.45	
1975-12-24	10.32		1975-11-21	9.58	
1975-10-28	10.03		1975-09-24	14.79	
1975-08-26	12.95		1975-07-23	12.00	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1975-06-30	10.87	
1975-04-23	10.02	
1975-02-26	9.03	
1974-12-23	10.33	
1974-10-25	13.40	
1974-08-23	14.65	
1974-06-24	11.60	
1974-04-24	9.15	
1974-02-22	9.70	
1973-12-26	9.40	
1973-10-23	14.50	
1973-08-22	12.10	
1973-06-21	10.92	
1973-04-23	9.16	
1973-02-22	9.23	
1972-12-20	9.49	
1972-10-25	12.72	
1972-08-22	12.09	
1972-06-21	6.44	
1972-04-21	9.56	
1972-02-23	9.55	
1971-12-27	10.48	
1971-10-21	11.67	
1971-08-24	12.95	
1971-06-24	11.79	
1971-04-27	11.17	
1971-02-23	10.31	
1970-12-28	11.59	
1970-10-27	15.03	
1970-08-21	13.41	
1970-06-22	10.73	
1970-04-22	9.19	
1970-02-25	9.15	
1969-12-23	9.16	
1969-10-21	12.80	
1969-08-25	12.78	
1969-06-23	11.49	
1969-04-21	8.95	
1969-02-20	10.76	
1968-12-23	9.39	
1968-10-22	14.58	
1967-11-27	13.25	
1967-09-25	13.66	
1967-08-30	12.61	
1967-06-28	10.67	
1967-04-27	9.08	
1967-02-27	10.54	
1966-12-27	12.08	
1966-10-26	13.27	
1966-08-29	14.80	
1966-06-27	11.94	
1966-04-26	11.17	
1966-02-23	11.30	
1965-12-28	15.19	
1965-10-27	15.65	
1975-05-21	9.80	
1975-03-27	9.25	
1975-01-21	9.19	
1974-11-22	13.50	
1974-09-25	14.42	
1974-07-26	12.20	
1974-05-23	10.75	
1974-03-22	8.04	
1974-01-24	8.62	
1973-11-20	14.65	
1973-09-25	11.30	
1973-07-24	11.70	
1973-05-22	9.54	
1973-03-23	9.21	
1973-01-22	9.54	
1972-11-22	9.05	
1972-09-25	13.63	
1972-07-24	10.05	
1972-05-22	9.00	
1972-03-24	10.07	
1972-01-24	10.15	
1971-11-23	12.22	
1971-09-23	12.13	
1971-07-26	12.94	
1971-05-24	10.50	
1971-03-23	8.69	
1971-01-26	11.14	
1970-11-23	13.62	
1970-09-21	14.39	
1970-07-22	12.30	
1970-05-22	10.32	
1970-03-23	10.10	
1970-01-21	9.90	
1969-11-24	10.39	
1969-09-22	12.44	
1969-07-23	12.90	
1969-05-22	9.88	
1969-03-21	10.76	
1969-01-22	10.29	
1968-11-25	11.79	
1967-12-27	10.66	
1967-10-25	14.11	
1967-09-23	13.77	
1967-07-26	11.68	
1967-05-23	9.18	
1967-03-30	8.26	
1967-01-24	10.94	
1966-11-28	12.29	
1966-09-28	14.76	
1966-07-27	13.41	
1966-05-25	10.85	
1966-03-29	10.14	
1966-01-27	14.10	
1965-11-23	15.76	
1965-09-28	15.42	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1965-08-30	14.59	
1965-06-29	12.04	
1965-04-28	9.78	
1965-02-25	9.11	
1964-12-28	13.14	
1964-10-26	15.72	
1964-08-25	14.33	
1964-06-25	12.18	
1964-04-27	8.63	
1964-03-16	9.06	
1964-02-25	9.79	
1963-12-27	11.07	
1963-10-30	15.72	
1963-08-28	14.15	
1963-06-28	12.18	
1963-04-30	11.44	
1963-02-25	11.48	
1962-12-27	11.55	
1962-10-31	13.85	
1962-07-30	13.72	
1962-05-31	11.46	
1962-03-30	9.35	
1962-01-29	9.78	
1961-12-01	12.30	
1961-09-28	12.88	
1961-08-01	12.06	
1961-05-31	8.91	
1961-03-29	8.86	
1961-01-30	11.18	
1960-11-29	11.55	
1960-09-27	11.30	
1960-08-01	12.77	
1960-05-31	11.36	
1960-03-30	10.03	
1960-01-28	10.27	
1959-11-30	10.64	
1959-09-29	13.67	
1959-07-30	11.79	
1959-05-28	11.12	
1959-03-30	9.60	
1959-01-29	11.24	
1958-12-01	10.89	
1958-09-29	13.65	
1958-08-01	12.51	
1958-05-29	9.68	
1958-03-31	8.69	
1958-01-30	7.36	
1957-11-29	12.82	
1957-09-26	15.75	
1957-07-30	14.25	
1957-06-03	11.51	
1957-03-29	10.08	
1957-01-31	10.63	
1956-11-30	11.14	
1956-09-27	13.86	
1965-07-27	13.31	
1965-05-26	10.80	
1965-03-29	9.87	
1965-01-26	11.44	
1964-11-24	15.88	
1964-08-28	15.50	
1964-07-27	13.31	
1964-05-27	10.73	
1964-03-30	9.78	
1964-03-01	9.00	
1964-01-30	8.84	
1963-11-27	12.13	
1963-09-26	15.21	
1963-07-30	13.03	
1963-05-28	11.72	
1963-03-25	10.83	
1963-01-28	11.36	
1962-11-27	11.55	
1962-09-27	15.16	
1962-06-28	12.43	
1962-04-25	9.57	
1962-02-28	9.97	
1961-12-27	10.98	
1961-10-27	13.03	
1961-08-30	12.79	
1961-06-29	10.68	
1961-04-27	8.52	
1961-02-27	8.35	
1960-12-29	10.89	
1960-10-28	11.68	
1960-08-30	13.57	
1960-06-29	12.44	
1960-04-28	10.01	
1960-02-29	8.65	
1959-12-29	10.01	
1959-10-29	12.16	
1959-08-31	12.45	
1959-06-29	11.73	
1959-05-01	9.97	
1959-02-26	11.45	
1958-12-29	10.96	
1958-10-30	10.40	
1958-08-28	13.15	
1958-06-27	10.98	
1958-04-29	8.81	
1958-02-28	9.57	
1957-12-30	8.90	
1957-10-30	14.10	
1957-08-30	15.20	
1957-06-27	12.75	
1957-04-29	9.91	
1957-03-01	10.34	
1956-12-29	9.30	
1956-10-29	12.54	
1956-08-30	13.31	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1956-07-27	11.62	
1956-05-28	10.57	
1956-03-29	8.79	
1956-01-30	10.72	
1955-11-28	9.05	
1955-09-29	11.88	
1955-07-25	13.57	
1955-05-27	10.99	
1955-03-28	8.58	
1955-01-29	10.31	
1954-11-26	11.03	
1954-09-27	10.63	
1954-06-25	11.48	
1954-04-29	9.42	
1954-02-25	10.93	
1953-12-29	10.06	
1953-09-30	14.22	
1953-07-27	11.09	
1953-05-28	10.13	
1953-03-30	7.27	
1953-01-27	9.22	
1952-11-25	12.99	
1952-08-28	10.30	
1952-02-25	9.40	
1951-11-26	10.54	
1951-07-25	12.90	
1951-05-25	10.67	
1956-06-27	11.61	
1956-04-27	9.74	
1956-02-27	8.96	
1955-12-30	10.85	
1955-10-28	9.01	
1955-08-26	9.55	
1955-06-30	12.49	
1955-04-29	10.03	
1955-02-25	10.66	
1954-12-27	9.16	
1954-10-29	12.17	
1954-07-26	13.14	
1954-05-28	9.53	
1954-03-29	9.83	
1954-01-29	10.90	
1953-10-28	15.09	
1953-08-28	12.65	
1953-06-29	11.93	
1953-04-27	8.54	
1953-02-27	9.24	
1952-12-30	12.53	
1952-10-27	12.93	
1952-05-01	9.13	
1951-12-27	9.08	
1951-08-27	13.98	
1951-07-09	12.22	
1951-04-25	9.58	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CT Radon

Radon Test Results

City	# Sites	< 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	20 < 50 Pci/L	50 < 100 Pci/L	> 100 Pci/L
Wallingford	100	90 (90)	10 (10)	0 (0)	0 (0)	0 (0)	0 (0)
Waterbury	20	19 (95)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)
West Haven	14	14 (93.3)	1 (6.7)	0 (0)	0 (0)	0 (0)	0 (0)
Wolcott	7	3 (42.9)	4 (57.1)	0 (0)	0 (0)	0 (0)	0 (0)
Woodbridge	126	79 (62.7)	32 (25.4)	9 (7.1)	4 (3.2)	1 (.8)	0 (0)
Yalesville	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Ansonia	110	62 (56.4)	29 (26.4)	8 (7.3)	10 (1)	1 (9)	0 (0)
Beacon Falls	4	3 (75)	1 (25)	0 (0)	0 (0)	0 (0)	0 (0)
Bethany	3	2 (66.7)	1 (33.3)	0 (0)	0 (0)	0 (0)	0 (0)
Branford	196	126 (64.3)	40 (20.4)	13 (6.6)	14 (7.1)	13 (1.5)	0 (0)
Cheshire	16	10 (62.5)	4 (25)	2 (12.5)	0 (0)	0 (0)	0 (0)
Derby	11	4 (36.4)	6 (54.6)	1 (9)	0 (0)	0 (0)	0 (0)
East Haven	27	22 (81.5)	4 (14.8)	1 (3.7)	0 (0)	0 (0)	0 (0)
Guilford	138	95 (68.8)	22 (15.9)	13 (9.4)	7 (5.1)	0 (0)	1 (.7)
Hamden	39	29 (74.4)	10 (25.6)	0 (0)	0 (0)	0 (0)	0 (0)
Madison	133	84 (63.2)	32 (24)	9 (6.8)	6 (4.5)	2 (1.5)	0 (0)
Meriden	97	76 (78.4)	19 (19.6)	1 (1)	0 (0)	0 (0)	1 (1)
Middlebury	5	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Milford	20	15 (.75)	4 (20)	1 (5)	0 (0)	0 (0)	0 (0)
Naugatuck	9	8 (88.9)	1 (11.1)	0 (0)	0 (0)	0 (0)	0 (0)
New Haven	21	16 (76.2)	5 (23.8)	0 (0)	0 (0)	0 (0)	0 (0)
North Branford	13	11 (84.6)	2 (15.4)	0 (0)	0 (0)	0 (0)	0 (0)
North Haven	5	3 (0)	2 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Northford	7	5 (71.4)	0 (0)	1 (14.2)	0 (0)	0 (0)	1 (14.2)
Orange	16	14 (87.5)	2 (12.5)	0 (0)	0 (0)	0 (0)	0 (0)
Oxford	3	2 (0)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Prospect	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Seymour	9	5 (55.6)	3 (33.3)	1 (11.1)	0 (0)	0 (0)	0 (0)
Southbury	21	10 (47.6)	8 (38.1)	3 (14.3)	0 (0)	0 (0)	0 (0)

Federal EPA Radon Zone for NEW HAVEN County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 06512

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.050 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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.

HYDROLOGIC INFORMATION

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Connecticut Leachate and Wastewater Discharge Sites
Source: Department of Environmental Protection
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.

EPA-Approved Sole Source Aquifers in Connecticut
Source: EPA
Sole source aquifers are defined as an aquifer designated as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for the area and for which there are no reasonable alternative sources should the aquifer become contaminated.

Community and Non-Community Water System Wells
Source: Department of Public Health, Water Supplies Section
Telephone: 860-509-7333
Active, emergency and inactive wells used for potable purposes that are owned and operated by active community and non-community water systems in Connecticut.

OTHER STATE DATABASE INFORMATION

RADON

State Database: CT Radon
Source: Department of Public Health
Telephone: 860-509-7367
Radon Statistical Summary

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

Appendix D

Limited Hazardous Materials Inspection Report

Limited Hazardous Materials Building Inspection Report

Storm Sandy Residential Rehabilitation Project
45 Second Avenue
East Haven, Connecticut

Lothrop Associates LLP

White Plains, New York

January 2015

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

Project No. 20140370.A3E

FUSS & O'NEILL
EnviroScience, LLC

January 13, 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
45 Second Avenue, East Haven, Connecticut
Fuss & O'Neill EnviroScience Project No. 20140370.A3E
Lothrop Associates Project No. 1524-09

Dear Mr. Seckler:

Enclosed is the report for the limited hazardous materials building inspection performed at 45 Second Avenue, East Haven, Connecticut.

The initial inspection was performed from April 9, 2014, through May 2, 2014, by Fuss & O'Neill EnviroScience, LLC state-licensed inspectors and included an asbestos inspection, testing for lead-based paint, airborne radon gas sampling, and an assessment for mold, polychlorinated biphenyl (PCB)-containing light ballasts, and mercury devices.

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.

Sincerely,

Kevin J. McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

Enclosure

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Connecticut
Massachusetts
Rhode Island
South Carolina

FUSS & O'NEILL
EnviroScience, LLC

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Lothrop Associates, LLP
45 Second Avenue, East Haven, Connecticut

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Lothrop Associates, LLP
45 Second Avenue, East Haven, Connecticut

Appendices

1 Introduction

On April 9, 2014, to May 5, 2014, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Technicians, Mr. Eduardo Miguel Marques and Mr. Ulkens Auguste, performed a limited hazardous materials building inspection of the residential structure located at 45 Second Avenue in East Haven, Connecticut (the "Site"). Mr. Marques and Mr. Ulkens are State of Connecticut-licensed Asbestos Consultant - Inspectors and Licensed Lead Inspectors. The primary residential structure was unoccupied 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.

This inspection was performed in response to the planned renovation of the Site building due to damage caused by Superstorm Sandy, as identified in the *Initial Property Inspection Report* dated March 5, 2014, provided by Lothrop Associates. The limited inspection included only cape-style house and consisted of the following:

- An inspection for asbestos-containing materials (ACM) associated with the scheduled renovation of the existing residence;
- 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 40 CFR Part 61, Sub-Part 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 insulation on pipe fittings. Surfacing ACM includes all ACM that is sprayed, troweled, 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, but recommends the use of sampling protocols included in 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools.

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-on 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 (≤) 1,000 square feet.
   b. Five samples collected from each homogenous area that is greater than (>) 1,000 square feet, but less than or equal to 5,000 square feet.
   c. Seven samples collected from each homogenous area that is greater than (>) 5,000 square feet.

2. Thermal System Insulation (TSI) (e.g. pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.

3. Miscellaneous Materials (MISC) (e.g. floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The Asbestos Consultant – Inspectors collected samples and prepared proper chain-of-custody 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. Suspect materials observed at the Site building that are not listed in the following table should be considered suspect ACM until sample collection and analytical results indicate otherwise. Refer to *Appendix B* for the asbestos laboratory analytical report and chain-of-custody forms.

2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to be non-ACM:

Table 1
Non-Asbestos-Containing Materials

Location	Material Type	Sample No.
Exterior	Black Vapor Barrier Behind Siding	040914EMM-01A-C
Interior	Cementitious Coating On Masonry Stone	040914EMM-02A-C
Fireplace	Mortar	040914EMM-03A-B
Crawlspace	Paper Backing on Fiberglass Insulation	040914EMM-04A-B
Interior (Wall, Wall, & Ceiling)	Sheetrock/Joint Compound (Composite)	040914EMM-5A-C
Interior (Wall, Wall, & Ceiling)	Joint Compound	040914EMM-6A-C

2.3 Discussion

The EPA defines any material that contains greater than one percent (> 1%) asbestos, utilizing PLM, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos.

2.4 Conclusions and Recommendations

The analytical results of the suspect ACM samples collected and analyzed indicate the materials 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 April 9, 2014, through May 5, 2104, EnviroScience representatives, Mr. Marques and Mr. Ulkens 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 systems are composed of wood, while 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 a floor, window sill, and window well in each room of 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 (µg/ft^2)
Window sills	250 µg/ft^2
Window wells	400 µg/ft^2

3.3 Lead in Soil Sampling Methodology

Composite soil samples from bare areas were collected to identify if hazardous levels of soil exist on the property. If identified, bare soil samples must be collected from the drip line, approximately 2 feet from the foundation, and from other areas of the property that targets areas where children are likely to come into contact with the soil.

Composite soil samples were collected from these locations in accordance with the sampling protocols outlined in *Appendix C*. Soil samples were submitted for analysis by AAS at EMSL Analytical, Inc. in Cinnaminson, New Jersey.

Sample results were compared to the CTDPH standard for bare soil in residential sites for bare residential soil of 400 milligrams per kilogram (mg/kg).

3.4 Lead in Drinking Water Sampling Methodology

Representative drinking water samples (first draw and two-minute flush) were collected from a faucet to evaluate whether a lead in drinking water hazard exists at the Site structure. Drinking water samples were sent for analysis by EPA Method 200.9 to Connecticut Testing Laboratories, Inc. in Meriden, Connecticut.

The following standard for lead in drinking water has been established by the EPA:

Drinking Water 0.15 milligrams per liter (mg/L)

3.5 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 (greater than 1.0 milligrams of lead per square centimeter [mg/cm^2] of paint):

Table 2
Lead-Painted Building Components

Building Component	Location	Reading (mg/cm^2)	Defective?
Wood Window Trim	Exterior Windows	1.0, 2.3	Yes
Basement Wood Window Trim	Exterior Basement Windows	1.0	Yes
Upper Wood Trim	Exterior	>9.9	Yes
Wood Soffit	Exterior	8.1	Yes
Interior Wood Window Trim	Room 2	>9.9	Yes
Interior Wood Siding	Room 3	4.1, 7.2	Yes
Wood Door Trim	Room 3	9.1	Yes
Wood Window Sash	Room 5	>9.9	Yes
Wood Stair Baluster	Room 6 Stairway	1.9	Yes

Building Component	Location	Reading (mg/cm^2)	Defective?
Wood Stair Stringer	Room 6 Stairway	1.3	No
Wood Column	Rooms 2 & 6	1.7	No
Wood Floor Landing	Room 6 Stairway	1.2	Yes
Wood Window Trim	Room 6 Stairway	3.2	Yes
Wood Window Sash	Room 6 Stairway	2.7	Yes
Wood Window Trim	Room 7	1.3	Yes
Wood Window Sill	Room 7	2.2	Yes
Wood Window Sash	Room 7	>9.9	Yes
Wood Door Trim	Room 7	2.6	Yes
Wood Door Jamb	Room 7	2.2	Yes
Wood Window Trim	Room 8	3.7	Yes
Wood Window Sash	Room 8	3.1	Yes
Wood Window Sill	Room 8	2.1	Yes
Wood Door Jamb	Closet in Room 8	1.7	Yes

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

3.6 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
050514UA-03	Room 1, Floor	31 $\mu g/ft^2$
050514UA-04	Room 1, Window Sill	150 $\mu g/ft^2$
050514UA-05	Room 1, Window Well	270 $\mu g/ft^2$
050514UA-06	Room 2, Floor	<10 $\mu g/ft^2$
050514UA-07	Room 2, Window Sill	1,000 $\mu g/ft^2$

Sample No.	Location	Results
050514UA-08	Room 3, Floor	57 µg/ft²
050514UA-09	Room 4, Floor	<10 µg/ft²
050514UA-10	Room 4, Window Sill	<40 µg/ft²
050514UA-11	Room 4, Window Well	44 µg/ft²
050514UA-12	Room 5, Floor	32µg/ft²
050514UA-13	Room 5, Window Sill	9,000 µg/ft²
050514UA-14	Room 5, Window Well	1,900 µg/ft²
050514UA-15	Room 6, Floor	<10 µg/ft²
050514UA-16	Room 6, Window Sill	2,500 µg/ft²
050514UA-17	Room 6, Window Well	24,000 µg/ft²
050514UA-18	Room 7, Floor	<10 µg/ft²
050514UA-19	Room 7, Window Sill	4,800 µg/ft²
050514UA-20	Room 7, Window Well	75,000 µg/ft²
050514UA-21	Room 8, Floor	<10 µg/ft²
050514UA-22	Room 8, Window Sill	<40 µg/ft²
050514UA-23	Room 8, Window Well	73,000 µg/ft²
050514UA-24	Room 9, Floor	12 µg/ft²
050514UA-25	Room 9, Window Sill	180 µg/ft²
050514UA-26	Room 9, Window Well	1,500 µg/ft²
050514UA-27	Field Blank	<10 µg/ft²
050514UA-28	Field Blank	<10 µg/ft²
050514UA-29	Room 2, Floor (Duplicate)	18 µg/ft²
050514UA-30	Room 5, Window Sill (Duplicate)	6,200 µg/ft²

Bold – indicates results above CTPDH standard

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

3.7 Lead in Soil Results

A representative composite soil sample of bare soil identified was collected along the exterior drip line of the Site structure to evaluate whether a lead in soil hazard exists. The sample number, location, and result are as follows:

Table 4
Soil Sample Result

Sample No.	Location	Results
050514UA-31	B-Side Composite, Drip Line	1,200 mg/kg

Bold – indicates results above CTPDH standard

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

3.8 Lead in Drinking Water Results

Representative drinking water samples (first draw and flush) were collected from the kitchen faucet to evaluate whether a lead in drinking water hazard exists. The analytical results of the samples were below the laboratory reporting limit of 0.005 mg/L for lead.

The lead in drinking water laboratory analytical report and chain-of-custody form is provided in *Appendix G*.

3.9 Conclusions and Recommendations

LBP was identified during this inspection. The defective LBP must be abated by a CTDPH-licensed Lead Abatement Contractor. If these building components will be disturbed during renovations, a Toxicity Characteristic Leaching Procedure (TCLP) sample that is representative of the anticipated waste stream should be collected and analyzed to determine waste disposal options.

Lead in dust hazards were identified during this inspection. Lead in dust hazards on the floors, window sills, and window wells must be abated by a CTDPH licensed Lead Abatement Contractor.

Lead in soil hazards were identified during this inspection. Impermanent surface coverings may be used to treat lead in soil hazards. Examples of acceptable impermanent coverings include gravel, bark, sod, and artificial turf.

Lead in drinking water hazards were not identified during this inspection. The representative drinking water samples collected were below the laboratory reporting limit of 0.005 mg/L.

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^2 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 diethylhexl 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 April 9, 2014, EnviroScience representative Mr. Marques performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCB's". Ballasts manufactured after 1991 were not listed as a PCB or DEHP-containing ballast, and not quantified for disposal. Ballasts without a label indicating "No PCB's" are presumed to be PCB waste, and must be segregated for proper removal, packaging, transport and disposal as PCB waste. Ballasts with date labels indicating manufacture prior to 1991 that indicate "No PCB's" are presumed to contain DEHP and must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. The disposal requirements are slightly varied, and costs are slightly less for DEHP than for PCB-containing light ballasts.

4.2 Conclusions and Recommendations

No light ballasts were observed within the visible and accessible areas of the Site building.

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 April 9, 2014, EnviroScience representative Mr. Marques performed a visual in-place inventory of mercury lamps/tubes, thermostats, and mercury switches.

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.

6 Mold Visual Assessment

On April 9, 2014, EnviroScience representative Mr. Marques performed a visual assessment for the presence of suspect mold and water intrusion.

6.1 Observations

Based on our observations, no visible signs of mold were noted during this inspection. We observed two active sump pumps in the basement, no water damage or mold was observed.

7 Airborne Radon Gas Information, Sampling and Procedure

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 United States. Radon 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 found that radon concentrations in outdoor air average approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products can accumulate too much higher concentrations inside a building. The EPA has adopted an 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 is present in a building is to test. Each frequently occupied room that is in contact with the ground 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 U.S. Surgeon General has warned that radon is the second-leading cause of lung cancer deaths after smoking, and is the leading cause among non-smokers.

7.2 Airborne Radon Gas Sampling

From April 9, 2014, to April 11, 2014, EnviroScience representative Mr. Marques deployed passive radon gas detection canisters in limited areas within the Site structure and retrieved at least 48-hours, but not later than 96-hours later. The canisters were supplied by Radon Testing Corporation of America (RTCA).

It is recommended that such canisters be placed at least 20-inches from the floor and 12-inches away from exterior walls. Also, it is recommended that the canisters not be placed near drafts resulting from Heating, Ventilating, and Air Conditioning (HVAC) intakes and returns, doors, and at least 36-inches from

windows. Also, canisters should not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12-hours prior to testing being conducted.

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

7.3 Airborne Radon Quality Assurance Procedure

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

Duplicates are pairs of canisters deployed in the same location, side by side, for the same measurement period. Duplicates are placed in at least ten percent of all sampling locations. These duplicate canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either or both of the analyses in a duplicate pairing is above the EPA 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 sampling procedures. Blanks are unopened, unexposed canisters which are set out with and shipped with the exposed canisters so that the processing laboratory treats them equally. The number of blanks is at least five percent of the 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 inside the residence during the sampling period that occurred from April 9, 2014, to April 11, 2014. The radon gas concentration in the samples collected during the assessment ranged from 0.3 pCi/L to 0.4 pCi/L. The EPA threshold for radon gas is 4.0 pCi/L.

In *Table 5* below, the location and result of the quality control duplicate test are listed:

Table 5
Duplicate Sample Result

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Living room	2308600 & 2304788	0.4	0.3	0.35	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

Note Duplicate testing result was satisfactory.

In *Table 6* below, the location and result of the quality control blank test are listed:

Table 6
Blank Sample Result

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Living room	2302462	0.1

Note Blank testing result was satisfactory.

In *Table 7* below, the locations, canister numbers, and radon concentrations are listed for the airborne radon assessment conducted:

Table 7
Airborne Radon Gas Sampling Results

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Kitchen	2308572	0.3
Living Room	2308600	0.4

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.

Report prepared by Environmental Technician Eduardo Miguel Marques.

Reviewed by:

Kevin J, McCarthy
Project Manager

Timothy M. Downey
Senior Project Manager

Appendix A

Fuss & O'Neill EnviroScience State Inspector Licenses and Accreditations

0001729 FP **PRSRT T7 0 0664 06040

EDUARDO M. MARQUES
FUSS & ONEILL ENVIRO SCIENCE LLC
146 HARTFORD ROAD
MANCHESTER CT 06040

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 LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSP/MGMT PLANNER

LICENSE NO.
000201
CURRENT THROUGH
02/28/15
VALIDATION NO.
03-720789

EDUARDO M. MARQUES

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-720789	000201	02/28/15

PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

SIGNATURE COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

VALIDATION NO.	LICENSE NO.	CURRENT THROUGH
03-720789	000201	02/28/15

PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

Eduardo Miguel Marques

xxx-xx-8045

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

September 3, 2014
Date of Course

AI-R-09/14-9
Certificate Number

September 3, 2014
Examination Date

September 3, 2015
Expiration Date

0001728 FP **PRSRT T7 0 0664 06040

EDUARDO M. MARQUES
FUSS & ONEILL ENVIRO SCIENCE LLC
146 HARTFORD ROAD
MANCHESTER CT 06040

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

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.
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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

CERTIFICATION NO.
002132
CURRENT THROUGH
02/28/15
VALIDATION NO.
03-720788

EDUARDO M. MARQUES

SIGNATURE

Jewel Mullen MD
COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

VALIDATION NO.	CERTIFICATION NO.	CURRENT THROUGH
03-720788	002132	02/28/15

PROFESSION
LEAD INSPECTOR

SIGNATURE

Jewel Mullen MD
COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

VALIDATION NO.	CERTIFICATION NO.	CURRENT THROUGH
03-720788	002132	02/28/15

PROFESSION
LEAD INSPECTOR

SIGNATURE

Jewel Mullen MD
COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

Eduardo Miguel Marques

xxx-xx-8045

has successfully completed the

8 Hour Lead Inspector 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

Robert L. May, Jr., Training Manager

February 20 & 24, 2014
Date of Course

LI-R-02/14-1
Certificate Number

February 24, 2014
Examination Date

February 24, 2015
Expiration Date

Dear ULKENS AUGUSTE,

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

1001901-0001908-0000001 of 0000001-C01-a1d00101-1364-01904

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ULKENS AUGUSTE

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-056175	000770	09/30/15

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

ULKENS AUGUSTE

CERTIFICATE NO.
000770

CURRENT THROUGH
09/30/15

VALIDATION NO.
03-056175

SIGNATURE COMMISSIONER

INSTRUCTIONS:

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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.

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ULKENS AUGUSTE

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-056175	000770	09/30/15

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

This is to certify that

Ulkens Auguste

xxx-xx-6277

has successfully completed the

4 Hr. Asbestos Inspector Refresher

Asbestos Accreditation under TSCA Title II

40 CFR Part 763

John Rowinski, Principal Instructor

Robert L. May, Jr., Training Manager

January 6, 2015
Date of Course

AI-R-01/15-4
Certificate Number

January 6, 2015
Examination Date

January 6, 2016
Expiration Date

Dear ULKENS AUGUSTE,

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

1001900-0001907-0000001 of 0000001-C01-a1d00101-1364-01903

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ULKENS AUGUSTE

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-056174	002234	09/30/15

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

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
LEAD INSPECTOR RISK ASSESSOR

ULKENS AUGUSTE

CERTIFICATE NO.
002234

CURRENT THROUGH
09/30/15

VALIDATION NO.
03-056174

SIGNATURE COMMISSIONER

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.
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WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
ULKENS AUGUSTE

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-056174	002234	09/30/15

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

Ulkens Auguste

xxx-xx-6277

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

Robert L. May, Jr., Training Manager

February 20 & 25, 2014
Date of Course

LIRA-R-02/14-1
Certificate Number

February 25, 2014
Examination Date

February 25, 2015
Expiration Date

Appendix B

Asbestos Laboratory Analytical Report and Chain-of-Custody Form

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
Phone (860)646-2469 Fax (860) 649-6883
www.fando.com

04140977

16 PLM

SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 1

Project Name: Lathrop Assoc. Project No. 20140320.A3E

Building: 45 Second (2nd) Ave. East Haven Project Manager: KM

Sample ID	Sample Location	Material	Result (%)
040914EMSL-01A-C	Exterior	black vapor barrier behind siding	ND
-02A-C	Interior	Cementitious coating on interior masonry stone	
-03A-B	Fireplace	fireplace mortar	
-04A-B	Crawlspace	paper backing on fiberglass ins.	
-05A-C	Interior (ceiling, wall, ceiling)	sheetrock/joint compound (composite)	
-06A-C	↓ ↓ ↓ ↓	Joint compound	

RECEIVED
EMSL
CINNAMINSON, N.J.
2014 APR 12 A 10:14

Analysis Method: ☑ PLM ☐ Other Turnaround Time: 24 hr.

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call the EnviroScience Laboratory if analyses will be late at (860) 646-2469.

Fax Results to the EnviroScience Laboratory at: 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. EPA 400 Point Count all samples of content <4%, positive stop on all point counts.

Samples collected by: [signature] **Date:** 4-9-14 **Time:** 9am

Samples [Rec'd][Sent by] [ ][ ] **Date:** [ ][ ] **Time:** _____

Samples Received by: QS EMSL FX **Date:** 4/12/14 **Time:** 1000

Shipped To: ☑ EMSL State: NJ ☐ Other _____

Method of Shipment: ☑ Fed Ex ☐ Other _____

A16

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

EMSL Order:	041409777
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

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

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	04/12/14 10:00 AM
Analysis Date:	4/14/2014
Collected:	4/9/2014

Project: **Lathrop Associates / 20140370.A3E / 45 Second (2nd) Ave, East Haven**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
040914EMM-01A *041409777-0001*	Exterior - Black Vapor Barrier behind Siding	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	**None Detected**
040914EMM-01B *041409777-0002*	Exterior - Black Vapor Barrier behind Siding	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	**None Detected**
040914EMM-01C *041409777-0003*	Exterior - Black Vapor Barrier behind Siding	Black Non-Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	**None Detected**
040914EMM-02A *041409777-0004*	Interior - Cementitious Coating on Interior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
040914EMM-02B *041409777-0005*	Interior - Cementitious Coating on Interior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
040914EMM-02C *041409777-0006*	Interior - Cementitious Coating on Interior	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
040914EMM-03A *041409777-0007*	Fireplace - Fireplace Mortar	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
040914EMM-03B *041409777-0008*	Fireplace - Fireplace Mortar	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)
Brittany Brown (10)
Dave Poitras (6)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 04/14/2014 10:36:45

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

EMSL Order:	041409777
CustomerID:	ENVI54
CustomerPO:	
ProjectID:	

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

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	04/12/14 10:00 AM
Analysis Date:	4/14/2014
Collected:	4/9/2014

Project: **Lathrop Associates / 20140370.A3E / 45 Second (2nd) Ave, East Haven**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
040914EMM-04A *041409777-0009*	Crawlspace - Paper Backing on fiberglass Ins	Tan/Black/Silver Fibrous Homogeneous	70%	Cellulose	30% Non-fibrous (other)	**None Detected**
040914EMM-04B *041409777-0010*	Crawlspace - Paper Backing on fiberglass Ins	Various Fibrous Heterogeneous	60%	Cellulose	40% Non-fibrous (other)	**None Detected**
040914EMM-05A-Composite *041409777-0011*	Interior wall - Sheetrock / Joint Compound	Gray/White Fibrous Heterogeneous	5%	Cellulose	95% Non-fibrous (other)	**None Detected**
040914EMM-05B-Composite *041409777-0012*	Interior wall - Sheetrock / Joint Compound	Gray/White Fibrous Heterogeneous	10%	Cellulose	90% Non-fibrous (other)	**None Detected**
040914EMM-05C-Composite *041409777-0013*	Interior ceiling - Sheetrock / Joint Compound	Brown/White Fibrous Heterogeneous	60%	Cellulose	40% Non-fibrous (other)	**None Detected**
040914EMM-06A *041409777-0014*	Interior wall - Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
040914EMM-06B *041409777-0015*	Interior wall - Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
040914EMM-06C *041409777-0016*	Interior ceiling - Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Analyst(s)
Brittany Brown (10)
Dave Poitras (6)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 04/14/2014 10:36:45

Appendix C

Lead Paint Testing Procedures and Equipment

FUSS & O'NEILL
EnviroScience, LLC

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/cm²)
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/cm²)	Inconclusive Range (mg/cm²)
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.

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EnviroScience, LLC

Lead In Soil Composite Sampling Protocol

Linear Transect Method:

For use around roadways, buildings, and other structures such as painted fencing, concrete walls, etc. Each side of the building is labeled with a letter. The 'A' side of the building is the street side. The remaining sides are labeled B, C, and D, clockwise around the building. Fencing and concrete walls are similarly labeled if there is a street side. Otherwise, along with roadways, these structures can be labeled using the directional points North, South, East and West.

1. Linear transects are established parallel to the building, wall, fence or roadway at 2 foot intervals.

2. Three (3) to ten (10) distinct locations roughly equidistant from one another along the transect line are selected as sample points. As a general rule, we would like to see five sampling points for each 100 feet of transect line, but sample points should be at least 2 feet apart, so in smaller areas (less than 10 feet), fewer samples may be collected.

3. Samples of the top one-half inch (.5") of soil should be taken using a metal spoon or stainless-steel scoop. Collect soil until a circular hole of approximately 2 inches in diameter (0.5" deep) has been created. Samples from each of the sampling points should be composited into a 24-ounce plastic bag of at least 3 mil in weight. The bags should be either zip-locked or foldable with puncture proof tabs.

4. After each composite sample is collected, the sampling spoon or scoop should be thoroughly cleaned with a disposable wipe to prevent cross contamination of other composite samples to be collected in other areas on the site.

5. The soil samples are dried, weighed out and digested in nitric acid according to EPA Method 3050. Analysis is performed by direct aspiration flame atomic absorption spectrophotometry according to EPA Method 7420. Results are expressed in milligrams per kilogram (mg/kg), or parts-per-million (ppm).

Grid Method:

In other areas, such as play areas and other open spaces, an X shaped axis should be developed with directional reference points of North, South, East and West. At least five, but not more than ten sampling points should be designated along each axis. The sampling points should be equidistant from one another and should be at least one foot distant from each other.

The sampling and compositing procedures outlined in the linear transect method should be followed for each axis.

For all soil sampling, a property sketch should be drawn. It is recommended that you use the space provided on the back of the lead in soil sample log.

Appendix D

Lead Testing Field Data Sheets

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EnviroScience, LLC

www.fando.com

146 Hartford Road, Manchester, CT 06040 (860) 646-2469 Fax (860) 649-6883

LEAD INSPECTION COVER SHEET

Inspector's Information

Inspector's Name: Edwardo Miguel Marques
XRF Model: RMD
Date of Inspection: 4-9-14

License Number: 002132
Serial Number: 324RI
Project Number: 20140370.A3E

Property Information

Building Address: 45 3rd Avenue (Street)
East Haven, CT (City) (State)
Age of Property:
Describe Structure: two-story residential, masonry stone 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

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

Multiple Family Dwelling ☐

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

XRF Calibration Check

Calibration Paint Film Used: ☑ NIST 1.02 mg/cm² ☐ Manufacturer's Standard 1.0 mg/cm²

Calibration Check Limits Used: ☑ RMD (0.7 to 1.3 mg/cm² inclusive)
☐ Scitec MAP4 (0.6 to 1.2 mg/cm² inclusive)

	Hour	First Reading	Second Reading	Third Reading	Average
First Check	9:50am	1.0	0.8	1.0	0.93
Second Check	11:30am	0.9	0.9	1.0	0.93
Third Check					
Fourth Check					

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

Project Name: Lathrop Assoc.

Project Number: 20040370.A3E

Address: 45 2nd Avenue East Haven, CT

Project Manager: _____

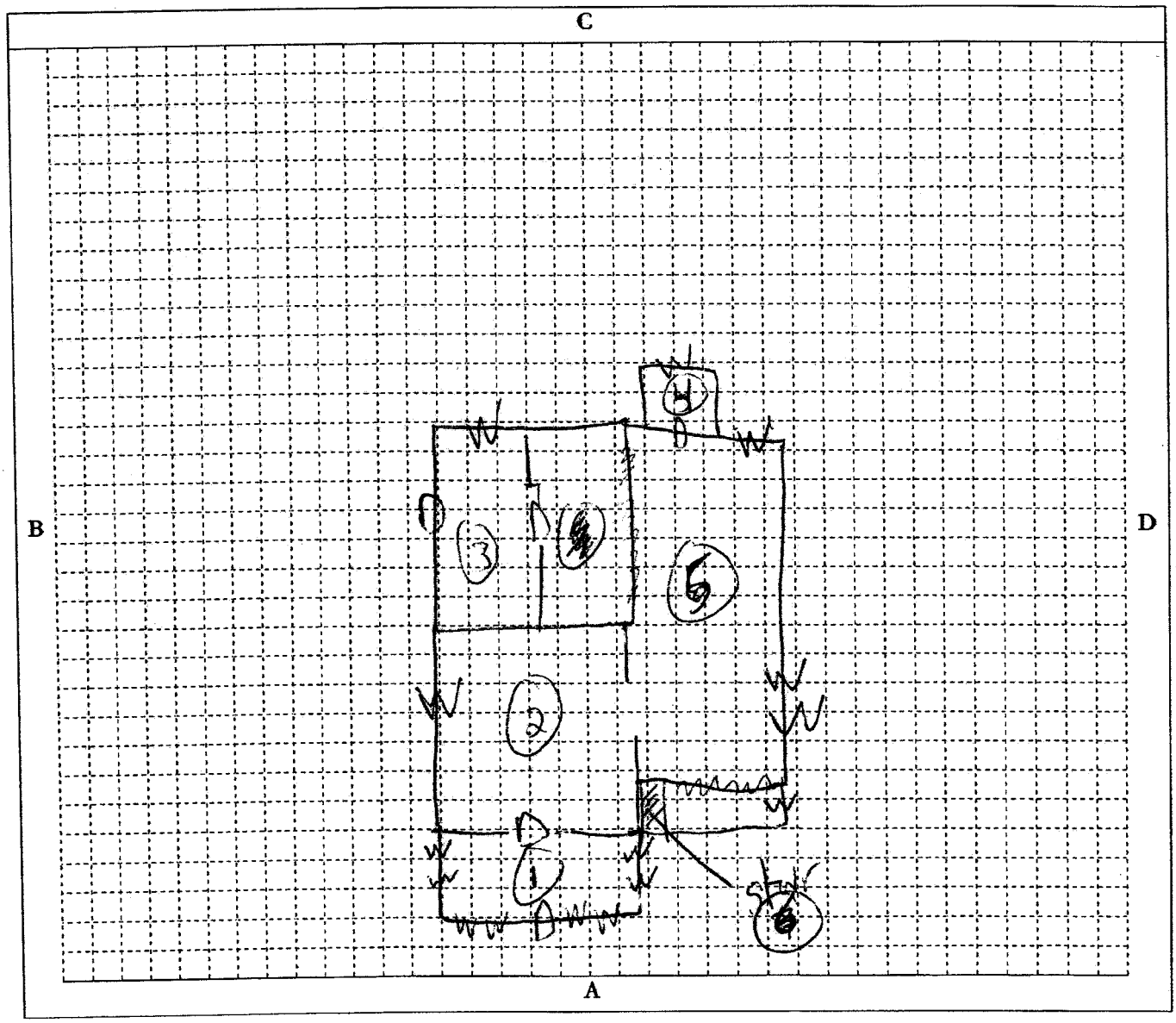
Apt. #/Bldg #: _____

Floor: _____ Room: _____

Page 1 of 2

Number of Doors: _____ No. of Windows: _____

Diagram of: 1st Floor



(#) Room Number Door Window

Page _____ of _____

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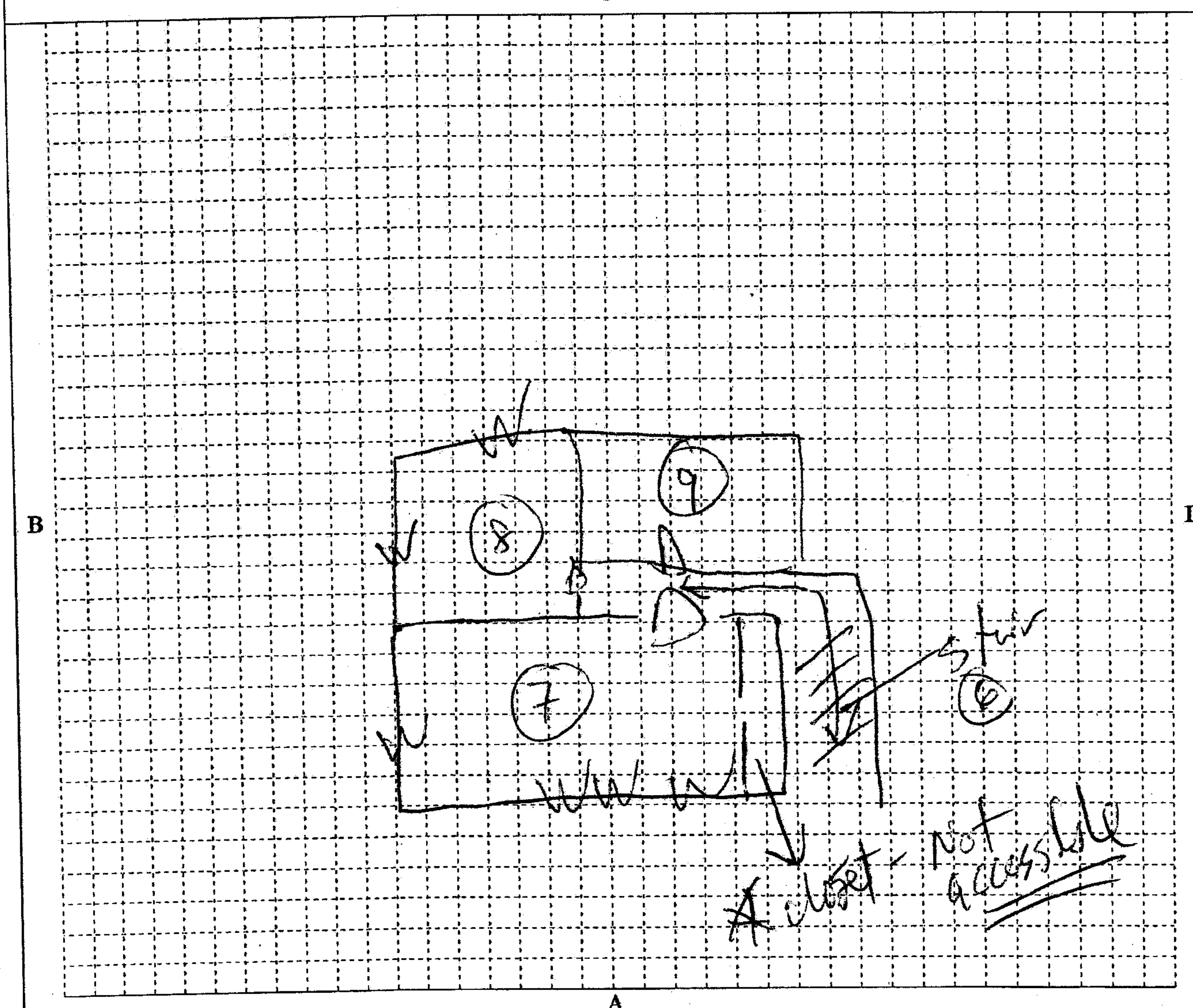
146 Hartford Road, Manchester, CT 06040
(860) 646-2469 Fax (860) 649-6883

Project Name: Lathrop Assoc.
Project Number: 20140370.A3E
Project Manager:
Address: 45 2rd Avenue, East Haven, CT
Apt. #/Bldg #:
Floor:
Room:
Page 2 **of** 2
Number of Doors:
No. of Windows:
Diagram of: 2nd Floor

C



A

(#) Room Number Door Window

Page ____ of ____

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XRF FIELD DATA SHEET

Address: 45 2nd Avenue East Haven, CT **Apt. #:** 5

Floor: _____ **Room:** _____ **Page** 1 **of** _____

Project Name: Lathrop Assoc. **Project Number:** 20140320.A3E

Project Manager: KM **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	siding	0.1		vinyl					Exterior
A	↓	-0.2		W					
A	door	-0.3		M					
A	door trim	-0.1		W					
A	door jmb	-0.1		W					
A	w. sill	-0.2		W					
A	w. sash	0.0		W					
A	w. trim	-0.1		W					
A	kickboard	-0.0		W					
B	w. sill	-0.2		W					
B	w trim	0.0		W					
B	w. sash	0.1		W					
B	w. trim	1.0	✓	W	yes				(rear)
B	side entry door	-0.0		W					side entry
B	- post	-0.1		W					
B	- rail	0.1		W					
B	door	-0.3		M					
B	door jmb	0.2		W					
B	door trim	0.2		W					
B	stair tread	-0.1		W					
C	w trim	2.3	✓	W	yes				
D	w trim-basement	1.0	✓	W	yes				
A	upper trim	29.9	✓	W	yes				
A	soffit	5.1	✓	W	yes				
	ceiling	0.2		~~B~~					Rm 1
C	door	-0.4		M					
C	door trim	0.1		W					
C	door jmb	0.1		W					
A	w. trim	-0.0		W					
	w. sash	-0.1		W					
	floor	-0.3		W					

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

Notes: _____

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XRF FIELD DATA SHEET

Address: 45 2nd Ave. East Haven, CT **Apt. #:**

Floor: **Room:** **Page** 2 **of** 5

Project Name: Bethrop Assoc. **Project Number:** 20140320.A3E

Project Manager: KM **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	crown molding	-0.1		W					Rm. 1
A	wall	-0.2		panel					
B	wall	-0.1		panel					
	floor	0.0		W					Rm. 2
A	wall	-0.1		W					
B		-0.2		W					
C		0.0		W					
D		-0.3		W					
	ceil	0.3		S					
A	door	-0.4		M					
A	door jamb	-0.1		W					
B	stone mold	0.6		stone					
A	crown molding	0.3		W					
B	w. trim	>9.9	✓	W	Yes				
D	W. jamb	0.3		W					
B	stone sill	0.3		stone					
D	d. trim	-0.1		W					
D	d. jamb	-0.2		W					
D	siding	4.1	✓	W	Yes				Rm. 3
C	w. trim	N/C		W					
C	w. jamb	N/C		W					
C	siding	7.2	✓	W	Yes				
B	door	-0.2		M					
B	door trim	-0.0		W					
B	door jamb	0.1		W					
D	door trim	9.1	✓	W	Yes				
D	door jamb	0.2		W					
A	wall	-0.2		S					Rm. 4
B		-0.1		S					
C		-0.3		S					
D		-0.2		S					

* 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:

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XRF FIELD DATA SHEET

Address: 45 2nd Ave. East Haven, CT **Apt. #:**

Floor: **Room:** **Page** 3 **of** 5

Project Name: Lathrop Assoc. **Project Number:** 20140320.A3E

Project Manager: KM **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	radiator	-0.3		M					Rm 4
C	baseboard	-0.3		W					
	ceiling	-0.2		S					
C	w. trim	-0.0		W					
C	w. sill	-0.1		W					
C	w. sash	0.3		W					
A	door	-0.1		W					
A	door trim	-0.4		W					
A	door jamb	-0.0		W					
A	walls	-0.3		S					Rm 5
B	↓	-0.3		S					↓
C		-0.1		S					
D		-0.0		S					
A	door	-0.3		W					
C	door trim	-0.0		W					
C	door jamb	-0.1		W					
C	cabinet	-0.4		W					
D	w. ~~trim~~ sash	>9.9	✓	W	Yes				
D	w. trim	0.1		W					
D	w. sill	-0.0		W					
	ceiling	0.2		S					↓
B	baluster	1.9	✓	W	Yes				Rm 6 - stair
B	stair stringer	1.3	✓	W	NO				↓
D	wall	0.4		W					
A	wall	0.1		W					
C	wall	-0.2		panel					
D	w. trim	-0.1		W					
D	w. sill	-0.2		W					
D	w. jamb	0.1		W					
D	window soffit	0.1		W					
B	railing post	-0.3		W					↓

* Substrate Type: Metal = M, Wood = W, Plaster = P, Sheetrock = S, Concrete = C, Brick = B

N/A: Not Accessible; N/C: Not Coated; COV: Covered; VR – Vinyl Replacement

Notes:

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XRF FIELD DATA SHEET

Address: 45 2nd Avenue East Haven, CT Apt. #:
Floor: Room: Page 4 of 5
Project Name: Lathrop Assoc. Project Number: 20140370.A3E
Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
B	railing	0.2							Rm 6 - stair
B	column	1.7	✓	W	NO				
	landing - floor	1.2	✓	W	Yes				
D	w. trim	3.2	✓	W	Yes				
D	w. sash	2.7	✓	W	Yes				
D	w. sill	0.2		W					
A	wall	-0.1		S					Rm 7 - 2nd Fl.
B		-0.2		S					
C		0.0		S					
D		-0.1		S					
B	w. sill	1.3	✓	W	Yes				
B	w. trim	2.2	✓	W	Yes				
B	w. sash	7.9	✓	W	Yes				
B	baseboard	0.3		W					
	ceiling	0.3		W					
C	door	-0.2		W					
C	door trim	2.6	✓	W	Yes				
C	door jamb	2.2	✓	W	Yes				
C	crown molding	0.2		W					
~~X~~									~~Closet space NA~~
A	wall	-0.3		panel					Rm 8
B		-0.1							
C		-0.1							
D		-0.0							
	ceiling	-0.0		W					
B	w. trim	3.7	✓	W	Yes				
B	w. sash	3.1	✓	W	Yes				
B	w. sill	2.1	✓	W	Yes				
B	w. well	2.0	✓	W	Yes				
	shelf support	-0.1		W					
	shelf	-0.4		W					

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

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XRF FIELD DATA SHEET

Address: 45 3rd Ave, East Haven, CT **Apt. #:**

Floor: **Room:** **Page** 5 **of** 5

Project Name: Lafayette Assoc. **Project Number:** 20140370A JE

Project Manager: KM **(If Positive - Check All That Apply)**

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	walls	-0.1		S					Rm 8 - closet
C		0.1		part					
D		-0.3		S					
D	door	-0.3		W					
D	door trim	0.1		W					
D	door jamb	1.7	✓	W	Yes				
A	wall	-0.1		S					Rm 9
B		0.3							
C		0.1							
D		0.0							
A	door	-0.1		W					
A	door trim	-0.0		W					
A	door jamb	0.2		W					
D	window trim	0.3		W					
D	w. sash	N/C		Vinyl					

* 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:

Appendix E

Lead in Dust Laboratory Analytical Report and Chain-of-Custody Form

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

20140691

SAMPLE LOG FOR LEAD WIPES

Project Name: Lathrop Assoc.
Building: 45 Second Ave East Haddam, CT

Project Number: 20140370.A3E
Project Manager: KM

	Sample ID Number	Sample Location/Building	Surface Component	Surface Sq. Ft (inch)	Result (ug/ft)	Lab Number
1-	050514HA-03	Room #1	Floor	144		
2-	-04	"	W. Sill	36		
3-	-05	"	W. Well	36		
4-	-06	Room #2	Floor	144		
5-	-07	"	W. Sill	36		
6-	-08	Room 3	Floor	144		
7-	-09	Room #4	Floor	144		
8-	-10	"	W. Sill	36		
9-	-11	"	W. Well	36		
10-	-12	Room #5	Floor	144		
11-	-13	"	W. Sill	36		
12-	-14	"	W. Well	36		

Analysis Method: EPA-SW-846-3050(MOD.)
Wipe Media ☒ ASTM ☐ Non ASTM

Turnaround Time 24 hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 5/7/14.
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

Special Instructions:

Samples Collected By: William August Date: 5/5/14 Time: 0730
Samples Rec'd/Sent By: Date: Time:
Samples Received By: Date: 5/6/14 Time: 10:37am EMSL-BX

Shipped To: ☒ EMSL (State) NJ ☐ Other

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other

FUSS & O'NEILL
EnviroScience, LLC
146 Hartford Road, Manchester, CT 06040
www.fando.com
(860) 646-2469 Fax (860) 649-6883

2014066091

SAMPLE LOG FOR LEAD WIPES

Sheet No. 2 of 3

Project Name: Lothrop Assoc
Building: 45 Second AVE East Hartford, CT

Project Number: 20140370.A5C
Project Manager: KM

	Sample ID Number	Sample Location/Building	Surface Component	Surface Sq. Ft (inch²)	Result (ug/ft)	Lab Number
13.	050514HA-15	Room #6 upper landing	upper landing floor	144		
14.	-16	upper window	W. Sill	36		
15.	-17	upper window	W. Well	36		
16.	-18	Room #7	floor	144		
17.	-19	A, window	W. Sill	36		
18.	-20	A, window	W. Well	36		
19.	-21	Room #8	floor	144		
20.	-22	C-window	W. Sill	36		
21.	-23	C-window	W. Well	36		
22.	-24	Room #9	floor	144		
23.	-25	B window	W. Sill	36		
24.	-26	D window	W. Well	36		

Analysis Method: EPA-SW-846-3050(MOD.)
Wipe Media ☒ ASTM ☐ Non ASTM

Turnaround Time 24 hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 5/7/14
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

Special Instructions: _____

Samples Collected By: [illegible] Date: 5/5/14 Time: 0730
Samples Rec'd/Sent By: _____ Date: _____ Time: _____
Samples Received By: _____ Date: 5/6/14 Time: 10:37am

Shipped To: ☒ EMSL (State) NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

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20140669

SAMPLE LOG FOR LEAD WIPES

Sheet No. 3 of 3

Project Name: Lothrop Assoc
Building: 45 Second Ave East Haven, CT

Project Number: 2014 0370.A3C
Project Manager: KM

	Sample ID Number	Sample Location/Building	Surface Component	Surface Sq. Ft	Result (ug/ft)	Lab Number
25.	050514HA-27	Field Blank	NA	—		
26.	-28	1	N/A	—		
27.	-29	Room #2 Dup	floor	144		
28.	-30	Room #5 Dup	C-window sill	36		

Analysis Method: EPA-SW-846-3050(MOD.)
Wipe Media ☒ ASTM ☐ Non ASTM

Turnaround Time 24hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: 5/7/14.
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

Special Instructions: _____

Samples Collected By: Ulises August Date: 5/5/14 Time: 0730
Samples Rec'd/Sent By: _____ Date: _____ Time: _____
Samples Received By: _____ Date: 5/6/14 Time: 10:37am

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:	201406691
CustomerID:	ENVI54
CustomerPO:	20140370.A3E
ProjectID:	

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

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	05/06/14 10:37 AM
Collected:	5/5/2014

Project: **20140370.A3E / Lothop Assoc. / 45 Second Avenue Easthaven,CT**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
050514UA-03	*0001*	5/5/2014	5/6/2014	144 in²	31 µg/ft²
Site: Room #1 Floor					
050514UA-04	*0002*	5/5/2014	5/6/2014	36 in²	150 µg/ft²
Site: Room #1 W.Sill					
050514UA-05	*0003*	5/5/2014	5/6/2014	36 in²	270 µg/ft²
Site: Room #1 W.Well					
050514UA-06	*0004*	5/5/2014	5/6/2014	144 in²	<10 µg/ft²
Site: Room #2 Floor					
050514UA-07	*0005*	5/5/2014	5/6/2014	36 in²	1000 µg/ft²
Site: Room #2 W.Sill					
050514UA-08	*0006*	5/5/2014	5/6/2014	144 in²	57 µg/ft²
Site: Room #3 Floor					
050514UA-09	*0007*	5/5/2014	5/6/2014	144 in²	<10 µg/ft²
Site: Room #4 Floor					
050514UA-10	*0008*	5/5/2014	5/6/2014	36 in²	<40 µg/ft²
Site: Room #4 W.Sill					
050514UA-11	*0009*	5/5/2014	5/6/2014	36 in²	44 µg/ft²
Site: Room #4 W.Well					
050514UA-12	*0010*	5/5/2014	5/6/2014	144 in²	32 µg/ft²
Site: Room #5 Floor					
050514UA-13	*0011*	5/5/2014	5/6/2014	36 in²	9000 µg/ft²
Site: Room #5 W.Sill					
050514UA-14	*0012*	5/5/2014	5/6/2014	36 in²	1900 µg/ft²
Site: Room #5 W.Well					
050514UA-15	*0013*	5/5/2014	5/6/2014	144 in²	<10 µg/ft²
Site: Room #6 Upper Landing Floor					
050514UA-16	*0014*	5/5/2014	5/6/2014	36 in²	2500 µg/ft²
Site: Room #6 Upper Window W.Sill					
050514UA-17	*0015*	5/5/2014	5/6/2014	36 in²	24000 µg/ft²
Site: Room #6 Upper Window W.Well					

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/ft2 x area sampled in ft2. 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/ft² 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 05/07/2014 09:48:55

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:	201406691
CustomerID:	ENVI54
CustomerPO:	20140370.A3E
ProjectID:	

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

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	05/06/14 10:37 AM
Collected:	5/5/2014

Project: **20140370.A3E / Lothop Assoc. / 45 Second Avenue Easthaven,CT**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
050514UA-18	*0016*	5/5/2014	5/6/2014	144 in²	<10 µg/ft²
Site: Room #7 Floor					
050514UA-19	*0017*	5/5/2014	5/6/2014	36 in²	4800 µg/ft²
Site: Room #7 A,Window W.Sill					
050514UA-20	*0018*	5/5/2014	5/6/2014	36 in²	75000 µg/ft²
Site: Room #7 A,Window W.Well					
050514UA-21	*0019*	5/5/2014	5/6/2014	144 in²	<10 µg/ft²
Site: Room #8 Floor					
050514UA-22	*0020*	5/5/2014	5/6/2014	36 in²	<40 µg/ft²
Site: Room #8 C-Window W.Sill					
050514UA-23	*0021*	5/5/2014	5/6/2014	36 in²	73000 µg/ft²
Site: Room #8 C-Window W.Well					
050514UA-24	*0022*	5/5/2014	5/6/2014	144 in²	12 µg/ft²
Site: Room #9 Floor					
050514UA-25	*0023*	5/5/2014	5/6/2014	36 in²	180 µg/ft²
Site: Room #9 D-Window W.Sill					
050514UA-26	*0024*	5/5/2014	5/6/2014	36 in²	1500 µg/ft²
Site: Room #9 D-Window W.Well					
050514UA-27	*0025*	5/5/2014	5/6/2014	n/a	<10 µg/wipe
Site: Field Blank					
050514UA-28	*0026*	5/5/2014	5/6/2014	n/a	<10 µg/wipe
Site: Field Blank					
050514UA-29	*0027*	5/5/2014	5/6/2014	144 in²	18 µg/ft²
Site: Room #2 Dup Floor					
050514UA-30	*0028*	5/5/2014	5/6/2014	36 in²	6200 µg/ft²
Site: Room #5 Dup C-Window Sill					

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/ft2 x area sampled in ft2. 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/ft² 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 05/07/2014 09:48:55

Appendix F

Lead in Soil Laboratory Analytical Report
Chain-of-Custody Form

FUSS & O'NEILL
EnviroScience, LLC

146 Hartford Road, Manchester, CT 06040

20140666 69

www.fando.com

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

SAMPLE LOG FOR LEAD SOIL

Sheet No. 1 of 1

Project Name: Lathrop HSSOC
Building: 45 Second Ave East Haven, CT

Project Number: 20140370.A3E
Project Manager: KM

Sample ID Number	Sample Location/Building	Soil Condition	Result (%)	Lab Number
050514A-31	B-Side @ drip line	Bare		

Analysis Method: EPA-SW-846-3050-7420

Turnaround Time 24hrs

_____ Date: _____ Time: _____
_____ Date: _____ Time: _____

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date:_____.
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

Special Instructions: _____

Samples Collected By: Ukes August Date: 5/5/14 Time: 0800
Samples Rec'd/Sent By: _____ Date: _____ Time: _____
Samples Received By: _____ Date: 5/6/14 Time: 10:37am EMSL-FX

Shipped To: ☒ EMSL (State) NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

(SEE REVERSE FOR DIAGRAM)

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:	201406669
CustomerID:	ENVI54
CustomerPO:	20140370.A3E
ProjectID:	

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

Phone:	(860) 646-2469
Fax:	(888) 838-1160
Received:	05/06/14 10:37 AM
Collected:	5/5/2014

Project: **20140370.A3E / Lothrop Assoc./ 45 Second Avenue Easthaven,CT**

Test Report: Lead in Soils by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
050514UA-31	*0001*	5/5/2014	5/6/2014	1200 mg/Kg
	Site: B-Side @ Dripline Desc: Bare			

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

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

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

Initial report from 05/07/2014 09:35:10

Appendix G

Lead in Drinking Water Laboratory Analytical Report and Chain-of-Custody Form

CHAIN OF CUSTODY RECORD

Lab Tracking #: 0514046

Client: Fuss & O'Neill Environmental LLC — 45 Second Ave, Post Haven, CT

Project/PO # 20140370.A3E

Sampler(s): Ilkem Auguste (signature)

Ilkem Auguste (print)

Requested Analyses

Quote ID

Lab Use	Field ID (please print)	Date	Time	# of Bottles	RSR Criteria	Lead in Water										Notes
5992	050514WA-01	5/5/14	0700	1	Dw	X										Kitchen - 1st Draw
93	" -02	"	0702	1	"	"										" flush

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time	Received By Laboratory: (Signature)	Date / Time
Ilkem Auguste	5/5/14			M. McMahon	5/5/14 12:20
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time		

Turn Around Time

24 HR* ☐ 3 Day* ☑ 5 Day ☐

48 HR* ☐ 4 Day* ☐ 10 Day ☐

*Turnaround times less than " 5 Days" may be subject to priority fee charges.

CTL will not be held liable for incorrectly filled out Chain of Custody Records. Samples held for 45 days from receipt.

Connecticut Testing Laboratories, Inc.
165 Gracey Ave. / Meriden, CT 06451
Tel. (203)-634-3731 / Fax (203) 630-1336

Date Samples Received: 05/05/14

Client Name : **Fuss & O'Neill EnviroScience**	CTL Lab No. : 0514046
Report Date : 05/08/14	PO/ Job No. : 20140370.A3E

RESULTS OF ANALYSIS

EPA Method 200.9

Matrix Type :	**W**	**W**
CTL Sample No.:	**5992**	**5993**
Field ID :	**1st Draw**	**Flush**
	Kitchen Sink	**Kitchen Sink**
	050514UA-01	**050514UA-02**

Parameters	RL				Date Analyzed
Total Lead-mg/L	0.005	ND	ND		05/07/14

RL= Reporting Limit **ND**= Not Detected

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbon

Stephen J. Franco
Laboratory Director PH-0547

Connecticut Testing Laboratories, Inc.
165 Gracey Avenue / Meriden, CT 06451
(203) 634-3731 (Fax) 630-1336
Certification CT-PH0547/ MA-CT035

Appendix H

Airborne Radon Gas Laboratory Analytical Report and Chain-Of-Custody Form

FUSS & O'NEILL
EnviroScience, LLC

4/14/14

Disciplines to Deliver
ENVIII
DE

*RTCA: These items must be included on our results pages

Radon Testing Summary Sheet

*Project Number: 20140370.A3E
*Client Name: Lathrop Assoc.
*Building: 45 2nd Avenue
*Site Address: East Haven, CT 06512

Placed by: EMM
Retrieved by: EMM
Start Date: 4-9-14
Stop Date: 4-11-14
Weather at Placement: Sunny

Contact/Phone #:

Instructions: Tear off center bar coded label from canister and affix to sheet in spaces provided. Please make sure top bar coded label is left on detector. Identify test location for each detector in space provided for that detector (room #, location in room, etc.). Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2308600

Start Time: 10:45 am
Stop Time: 2:06 pm
Identifier: Living Room

Start Time:
Stop Time:
Identifier:

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2304788

Start Time: 10:45 am
Stop Time: 2:06 pm
Identifier: Living Room
Dep.

Start Time:
Stop Time:
Identifier:

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2302462

Start Time: 10:45 am
Stop Time: 2:06 pm
Identifier: Living Room
Bath

Start Time:
Stop Time:
Identifier:

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2308572

Start Time: 10:50 am
Stop Time: 2:07 pm
Identifier: Kitchen

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

Start Time:
Stop Time:
Identifier:

146 Hartford Road, Manchester, CT 06040
t (860) 646-2469
f (860) 649-6883
www.FandO.com

Connecticut
Massachusetts
Rhode Island
South Carolina

RTCA RADON TESTING CORPORATION OF AMERICA

PC1404140021

Site Radon Inspection Report

Date : 4/15/2014

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

Client: Lathrop Assoc
Test Location 45 2nd Avenue
Project #: 20140370.A3E
East Haven, CT 06512-

Individual Canister Results

Canister ID# : 2302462
Canister Type : Charcoal Canister 3 inch
Location : BLANK
Radon Level : **0.1 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/09/2014 @ 10:45
Test Stop : 04/11/2014 @ 14:06
Received: 04/14/2014 @ 09:46
Analyzed: 04/14/2014 @ 13:17

Canister ID# : 2304788
Canister Type : Charcoal Canister 3 inch
Location : Living rm
Radon Level : **0.3 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/09/2014 @ 10:45
Test Stop : 04/11/2014 @ 14:06
Received: 04/14/2014 @ 09:46
Analyzed: 04/14/2014 @ 13:17

Canister ID# : 2308572
Canister Type : Charcoal Canister 3 inch
Location : Kitchen
Radon Level : **0.3 pCi/L**
Error for Measurement is: ± 0.3 pCi/L

Test Start : 04/09/2014 @ 10:50
Test Stop : 04/11/2014 @ 14:07
Received: 04/14/2014 @ 09:46
Analyzed: 04/14/2014 @ 13:17

Canister ID# : 2308600
Canister Type : Charcoal Canister 3 inch
Location : Living rm
Radon Level : **0.4 pCi/L**
Error for Measurement is: ± 0.2 pCi/L

Test Start : 04/09/2014 @ 10:45
Test Stop : 04/11/2014 @ 14:06
Received: 04/14/2014 @ 09:46
Analyzed: 04/14/2014 @ 13:17

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

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

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

RTCA RADON TESTING CORPORATION OF AMERICA

PC1404140021

Site Radon Inspection Report

Date : 4/15/2014

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/ditguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

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

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free1-800-458-1158.

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 it's consultants based on RTCA-provided results.

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

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

(914)345-3380
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2 Hayes Street, Elmsford, NY 10523
www.rtca.com