



Civil Engineering | Land Surveying | Environmental Sciences

Environmental Review Record
and
Statutory Checklist

Residence of Sammy Sosa
20 Atwater Street
East Haven, CT

NEPA Compliance Document
Prepared Pursuant to 24 CFR Part 58

November 13, 2014

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1.0 Project Description and Location

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

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

Pursuant to the National Environmental Policy Act (NEPA), Freeman Companies, LLC has prepared the following environmental documentation for rehabilitation of the property located at 20 Atwater Street in East Haven, Connecticut. We are preparing the environmental documentation in accordance with the HUD regulations 24 CFR Part 58.

The property is a single family residence located at approximately 41.2482 Latitude and -72.8671 Longitude. The property is located on the west side of Atwater Street and is north of Center Avenue. The residence was constructed in 1910.

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 CFR 58.35(3)(ii).

3.0 Statutory Checklist

This project is determined to be Categorical Excluded according to 24 CFR 58.35(a)(3)(ii). 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.

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.

4.2 Lead

A lead inspection was performed at the property by Fuss & O'Neill on May 2, 2014. 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:

- Exterior Basement Window Trim - Exterior
- Exterior Wood Siding - Exterior
- Wood Door - Room 1
- Wood Window Sash - Room 1
- Sheetrock Ceiling - Room 3
- Wood Door - Room 2
- Wood Door Jamb - Room 3
- Wood Ceiling at Stair - Room 4 - Stairway
- Wood Chair Rail - Room 4 - Stairway
- Wood Door Casing - Room 5
- Wood Wall - Stair - Room 6
- Wood Ceiling Joist - Room 6
- Wood Door - Room 6
- Wood Door Trim - Room 6
- Wood Door Jamb - Room 6
- Wood Window Well - Room 15

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). If these components are to be disposed during rehabilitation then a Toxicity Characteristic Leaching

Procedure (TCLP) sample of the demolition waste stream should to be collected in order to determine disposal requirements.

4.3 Asbestos

An asbestos inspection was performed at the property by Fuss & O'Neill on May 2, 2014. Based on the results of the inspection none of the test 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.

4.4 Radon

From May 2, 2014 through May 5, 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 sample collected in the livable space on the first floor (living room) contained a radon concentration of 0.2 pCi/L; which was below the EPA recommended action guideline of 4.0 pCi/L.

4.6 Mold

On May 2, 2014, Fuss & O'Neill performed a visual assessment for the presence of suspect mold and water intrusion. Based on the findings of the assessment, the following water damaged material was identified:

- Approximately 10 square feet (SF) of sheetrock ceiling - kitchen (Room 3);
- Approximately 3 SF of sheetrock ceiling - master bedroom (Room 11); and
- Basement bathroom (Room 5) was noted to be moist/damp.

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, Second Avenue*, March 19, 2014

Environmental Data Resource Report, *NEPACheck, Second Avenue*, March 19, 2014

Flood Insurance Rate Map, Map Number 09009C0576J

Google Earth, accessed on March 20, 2014

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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>

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 Sammy Sosa – 20 Atwater Street, East Haven

ERR FILE # Application Number 1245

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]			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.	The project location is not located within a wetland. USGS Wetland map, EDR NEPA Check report and EDR Radius Map
4. 58.5(c) Coastal Zone Management [Coastal Zone Management Act sections 307(c) & (d)]		B	Project is located within Coastal Management Zone. Coastal Area Management review will be required. Review to be conducted as part of construction scope of work. No construction will be conducted until local approval is obtained.	Town of 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/co/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?nddbssel=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 construction 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		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 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 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		Mitigation 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		No hazard which could affect the health and safety of occupants or conflict with the intended utilization of the property was identified	Opinion of preparer who is a qualified environmental professional
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 existing building footprint. Town of East Haven provides weekly curbside pickup of refuse for all 1 to 3 family homes	http://www.townofeasthavenc t.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 pain was identified at the property. renovation activates that disturb any of these areas will be subject to the requirements of 40 CFR 745.80 through 745.92	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		B	Water damaged materials were identified in several areas	Limited Hazardous Materials Inspection Report. A copy of the report is attached.
Other: State or Local 17 A. Flood Management Certification [CGS 25-68]	A		General Permitting for program in development with DEEP	General Permit for CDBG-DR Program activities with CTDEEP in development
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, EDR NEPA Check report and EDR Radius Map
17 D. Local inland wetlands/watercourses [CGS 22a-42]		B	Residence is not located within an inland wetland, however the northeastern portion of the site is identified as a wetland. Obtaining local wetland approval(s) 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 all authorities.** For Categorically Excluded actions pursuant to §58.35(a) [Does not apply to EA or EIS level of review which can never convert to Exempt], the project can convert to Exempt, per §58.34(a) (12), since the project does not require any compliance measures (e.g., consultation, mitigation, permit or approval) with respect to any law or authority cited at §58.5. The project is now made Exempt and **funds may be drawn down**; OR
- Box "B" has been checked for one or more authority.** For Categorically Excluded actions pursuant to §58.35(a), the project cannot convert to Exempt since one or more authority requires compliance, including but not limited to consultation with or approval from an oversight agency, performance of a study or analysis, completion of remediation or mitigation measure, or obtaining of license or permit. **Complete pertinent compliance requirement(s), publish NOI/RROF, request release of funds (HUD-7105.15), and obtain HUD's Authority to Use Grant Funds (HUD-7015.16) per §58.70 and §58.71 before committing funds**; OR
- This project is not a Categorically Excluded action pursuant to §58.35(a), or may result in a significant environmental impact to the environment, and requires preparation of an Environmental Assessment (EA). Prepare the EA according to 24 CFR Part 58 Subpart E.

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

PREPARER:



Preparer's Signature

11/7/2014

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 an 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/trainin/g/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/npas/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	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Delisted NPL Site List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal CERCLIS No Further Remedial Action Planned (NFRAP) Site List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Correction Action (CORRACTS) Facilities List	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Non-CORRACTS Treatment, Storage and Disposal (TSD) Facilities List	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal RCRA Generators List	Property/Adjoining Properties	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Institutional Control/Engineering Control Registries	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Federal Emergency Response and Notification System (ERNS) List	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State- and Tribal-Equivalent NPL	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State- and Tribal-Equivalent CERCLIS	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Landfill and/or Solid Waste Disposal Site Lists	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Leaking Storage Tank Lists	0.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
State and Tribal Registered Storage Tank Lists	Property/Adjoining Properties	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Institutional Control/Engineering Control Registries	Property Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Voluntary Cleanup Sites	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
State and Tribal Brownfield Sites	0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	Yes	No
Distressed vegetation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vent or Fill Pipes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Storage Oil Tanks or Questionable Containers	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pits, Ponds or Lagoons	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stained Soil or Pavement (other than water stains)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pungent, Foul or Noxious Odors	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dumped Material or Soil, Mounds of Dirt, Rubble, Fill, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	Yes	No		Yes	No
Gas Station	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vehicle Repair Shop	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Car Dealership	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Auto Garage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Depot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Commercial Printing Facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Industrial or commercial warehouses	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dry Cleaners	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Photo Developing Laboratory	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hospital	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Junkyard or landfill	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Agricultural/Farming Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tannery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Livestock Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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.

- I. 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



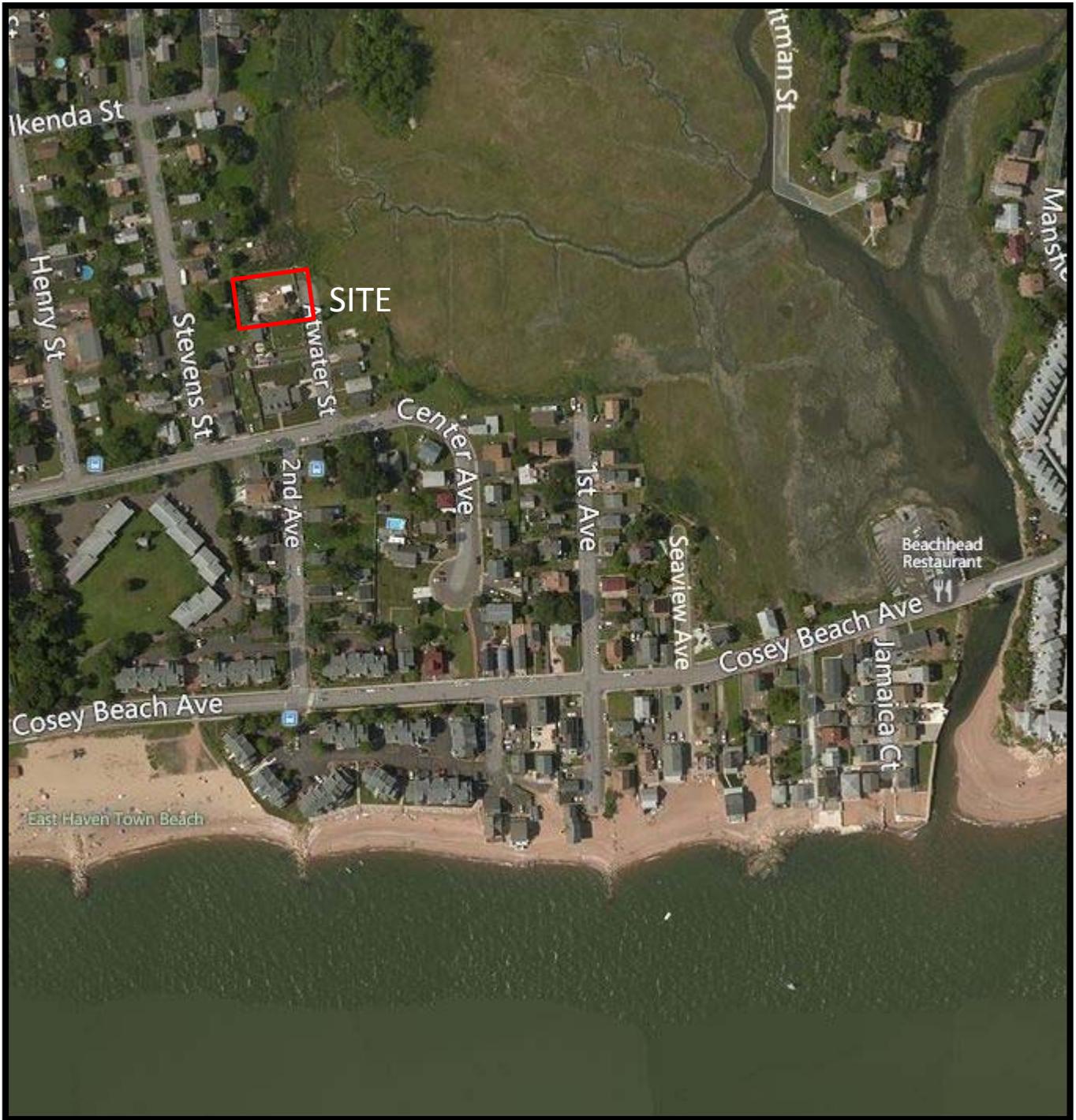
Prepared For:
 Residence of Sammy Sosa
 20 Atwater Street
 East Haven, CT



Not to Scale

Figure 1

Site Location Plan



Prepared For:
Residence of Sammy Sosa
20 Atwater Street
East Haven, CT



Not to Scale

Figure 2

Site Vicinity Map

Appendix C

Resource Maps and Supporting Documents



Residence

Second Avenue

East Haven, CT 06512

Inquiry Number: 3885613.3

March 20, 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

3/20/14

Site Name:

Residence
Second Avenue
East Haven, CT 06512

Client Name:

Freeman Companies LLC
100 Wells Street
Hartford, CT 06103

EDR Inquiry # 3885613.3

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: Residence
Address: Second Avenue
City, State, Zip: East Haven, CT 06512
Cross Street:
P.O. # 2014-0306-2
Project: CDBG-DR
Certification # 8B2D-4546-94B2



Sanborn® Library search results
Certification # 8B2D-4546-94B2

Maps Provided:

1973
1950
1924

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

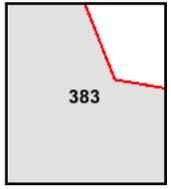
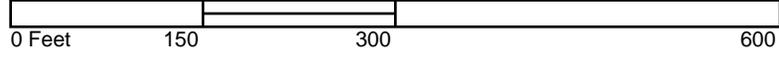


Volume 3, Sheet 383

1973 Certified Sanborn Map



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



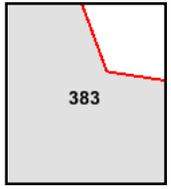
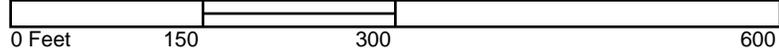
Volume 3, Sheet 383



1950 Certified Sanborn Map



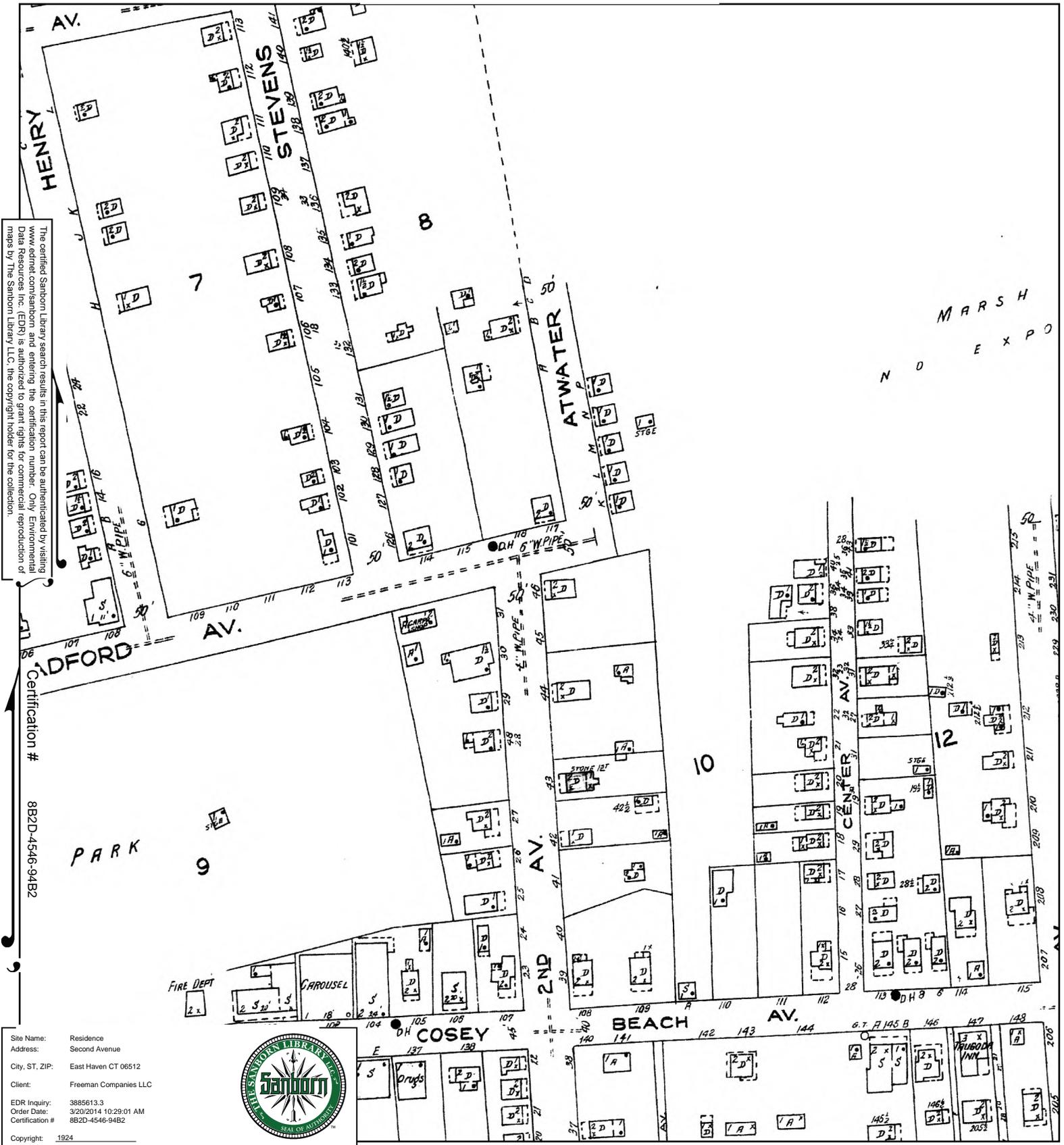
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 383



1924 Certified Sanborn Map



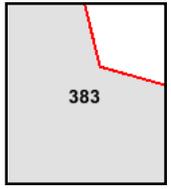
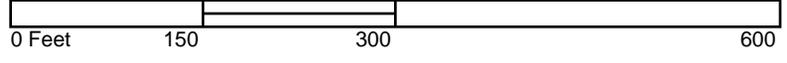
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Certification # 882D-4546-94B2

Site Name: Residence
 Address: Second Avenue
 City, ST, ZIP: East Haven CT 06512
 Client: Freeman Companies LLC
 EDR Inquiry: 3885613.3
 Order Date: 3/20/2014 10:29:01 AM
 Certification #: 882D-4546-94B2
 Copyright: 1924



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



Volume 3, Sheet 383

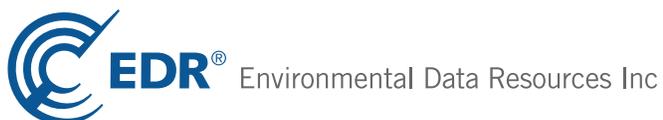


Residence

Second Avenue
East Haven, CT 06512

Inquiry Number: 3885613.2s
March 19, 2014

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

SECOND AVENUE
EAST HAVEN, CT 06512

COORDINATES

Latitude (North): 41.2475000 - 41° 14' 51.00"
Longitude (West): 72.8672000 - 72° 52' 1.92"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 678709.4
UTM Y (Meters): 4568213.5
Elevation: 8 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

EXECUTIVE SUMMARY

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

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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

SWRCY..... Recycling Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

CDL..... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LIENS..... Environmental Liens Listing

CT PROPERTY..... Property Transfer Filings

EXECUTIVE SUMMARY

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
DRYCLEANERS..... Drycleaner Facilities
ENF..... Enforcement Case Listing
NPDES..... Wastewater Permit Listing
AIRS..... Permitted Air Sources Listing
INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
SEH..... List of Significant Environmental Hazards Report to DEEP
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
COAL ASH DOE..... Steam-Electric Plant Operation Data
US FIN ASSUR..... Financial Assurance Information
PCB TRANSFORMER..... PCB Transformer Registration Database
Financial Assurance..... Financial Assurance Information Listing
PRP..... Potentially Responsible Parties
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
2020 COR ACTION..... 2020 Corrective Action Program List
EPA WATCH LIST..... EPA WATCH LIST

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>MANSFIELD LANDING MARINA</i>	<i>MANSFIELD GROVE ROAD</i>	<i>NNE 1/4 - 1/2 (0.396 mi.)</i>	<i>5</i>	<i>11</i>

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 12/02/2013 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HORIZON TRUCK & AUTO SALES & S	37 COE AVE	W 1/8 - 1/4 (0.161 mi.)	A3	7

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the MANIFEST list, as provided by EDR, and dated 07/30/2013 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRADFORD MANNER FIRE DEPARTMEN	89 GEORGE ST	NW 1/8 - 1/4 (0.183 mi.)	4	10

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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANSFIELD LANDING MARINA	MANSFIELD GROVE ROAD	NNE 1/4 - 1/2 (0.396 mi.)	5	11

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 2 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

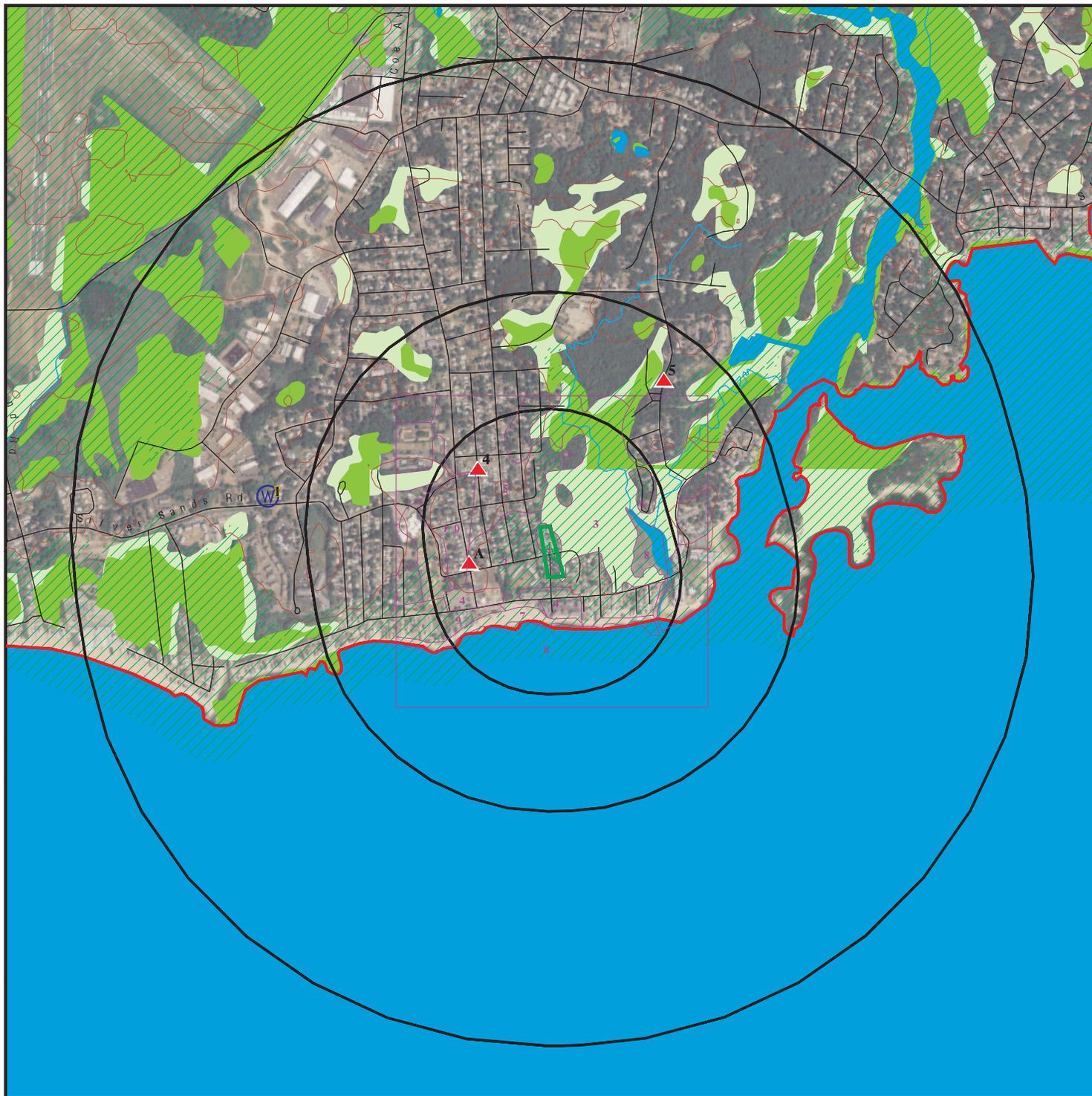
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	35 COE AVE	W 1/8 - 1/4 (0.161 mi.)	A1	7
Not reported	37 COE AVE	W 1/8 - 1/4 (0.161 mi.)	A2	7

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
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 - 3885613.2s



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 County Boundary

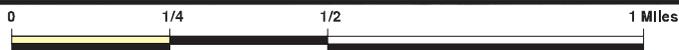
 Oil & Gas pipelines from USGS

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 State Wetlands

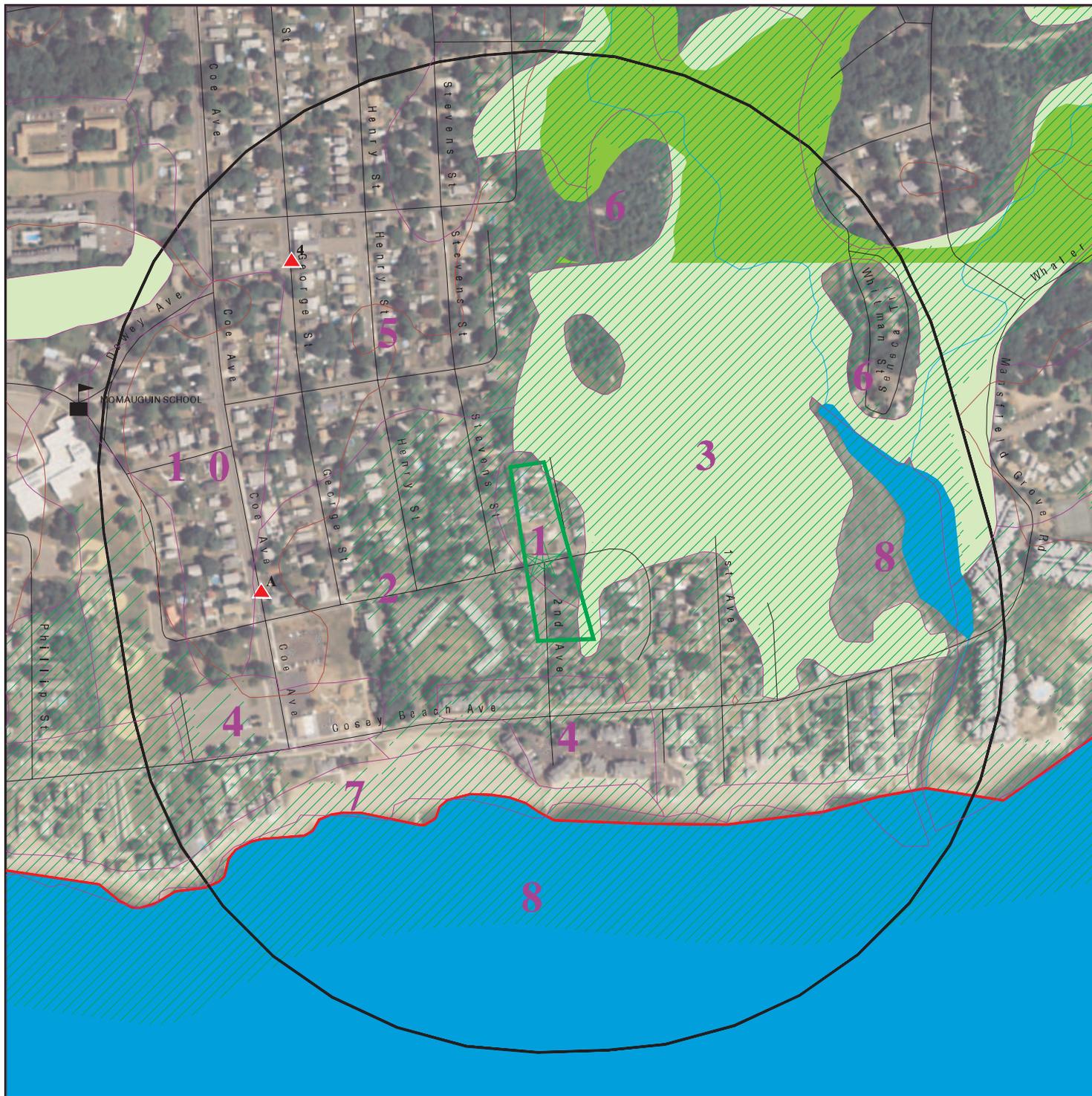


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.2s
 DATE: March 19, 2014 9:03 pm

DETAIL MAP - 3885613.2s



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

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



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

<p>SITE NAME: Residence ADDRESS: Second Avenue East Haven CT 06512 LAT/LONG: 41.2475 / 72.8672</p>	<p>CLIENT: Freeman Companies LLC CONTACT: Doug Brink INQUIRY #: 3885613.2s DATE: March 19, 2014 9:04 pm</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

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								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
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
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
SDADB	0.500		0	0	0	NR	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250		0	1	NR	NR	NR	1

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
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
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
<i>Local Land Records</i>								
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
<i>Records of Emergency Release Reports</i>								
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
<i>Other Ascertainable Records</i>								
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	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
SEH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	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
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
CPCS	0.500		0	0	1	NR	NR	1

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	2	NR	NR	NR	2
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
West
1/8-1/4
0.161 mi.
849 ft.

35 COE AVE
EAST HAVEN, CT 06512
Site 1 of 3 in cluster A

EDR US Hist Auto Stat 1015441676
N/A

Relative:
Higher
Actual:
24 ft.

EDR Historical Auto Stations:
Name: OCEANVIEW AUTO SERVICES
Year: 2012
Address: 35 COE AVE

A2
West
1/8-1/4
0.161 mi.
850 ft.

37 COE AVE
EAST HAVEN, CT 06512
Site 2 of 3 in cluster A

EDR US Hist Auto Stat 1015452851
N/A

Relative:
Higher
Actual:
24 ft.

EDR Historical Auto Stations:
Name: A A TRANSMISSIONS INCORPORATED
Year: 1999
Address: 37 COE AVE

Name: A A TRANSMISSIONS INCORPORATED
Year: 2000
Address: 37 COE AVE

Name: AA TRANSMISSIONS INC
Year: 2001
Address: 37 COE AVE

Name: AA TRANSMISSIONS INC
Year: 2002
Address: 37 COE AVE

A3
West
1/8-1/4
0.161 mi.
850 ft.

HORIZON TRUCK & AUTO SALES & SERVICE
37 COE AVE
EAST HAVEN, CT 06512
Site 3 of 3 in cluster A

UST U002176257
N/A

Relative:
Higher
Actual:
24 ft.

UST:
Facility Id: 44-8947
Latitude: Not reported
Longitude: Not reported
Owner: JOHN GIORDANA
Owner Address: 2 MEADOW PL
Owner Address 2: Not reported
Owner City,St,Zip: EAST HAVEN, CT 065124735

Tank ID: 8947-1
Compartment ID: 8947-1
Compartment Num: 1
Alt. Tank ID: A1
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 1000
Substance: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORIZON TRUCK & AUTO SALES & SERVICE (Continued)

U002176257

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

Tank ID: 8947-2
Compartment ID: 8947-2
Compartment Num: 1
Alt. Tank ID: A2
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 1000
Substance: Gasoline
Date Installed: 01/01/1950
Date Last Used: 01/01/1950
Closure Status: Tank was Removed From Ground
Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported
Overfill Installed: Not reported

Tank ID: 8947-3
Compartment ID: 8947-3
Compartment Num: 1
Alt. Tank ID: A3
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 1000
Substance: Gasoline
Date Installed: 01/01/1950
Date Last Used: 01/01/1950
Closure Status: Tank was Removed From Ground
Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported
Overfill Installed: Not reported

Tank ID: 8947-4
Compartment ID: 8947-4
Compartment Num: 1
Alt. Tank ID: A4
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 1000
Substance: Used Oil
Date Installed: 01/01/1950
Date Last Used: 01/01/1987
Closure Status: Tank was Removed From Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORIZON TRUCK & AUTO SALES & SERVICE (Continued)

U002176257

Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported
Overfill Installed: Not reported

Tank ID: 8947-5
Compartment ID: 8947-5
Compartment Num: 1
Alt. Tank ID: A5
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 4000
Substance: Gasoline
Date Installed: 01/01/1950
Date Last Used: 11/01/1987
Closure Status: Tank was Removed From Ground
Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported
Overfill Installed: Not reported

Tank ID: 8947-6
Compartment ID: 8947-6
Compartment Num: 1
Alt. Tank ID: A6
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 3000
Substance: Gasoline
Date Installed: 01/01/1950
Date Last Used: 11/01/1987
Closure Status: Tank was Removed From Ground
Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported
Overfill Installed: Not reported

Tank ID: 8947-7
Compartment ID: 8947-7
Compartment Num: 1
Alt. Tank ID: A7
Tank Status: Permanently Closed
Tank Material: Asphalt Coated or Bare Steel
Secondary Material: Not reported
Capacity: 4000
Substance: Gasoline
Date Installed: 01/01/1950
Date Last Used: 11/01/1987
Closure Status: Tank was Removed From Ground
Pipe Material: Bare or Galvanized Steel
Pipe Mode Description: Not reported
Spill Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORIZON TRUCK & AUTO SALES & SERVICE (Continued)

U002176257

Overfill Installed: Not reported

4
NW
1/8-1/4
0.183 mi.
966 ft.

BRADFORD MANNER FIRE DEPARTMENT
89 GEORGE ST
EAST HAVEN, CT 06512

MANIFEST **S109755458**
N/A

Relative:
Higher

CT MANIFEST:

Actual:
24 ft.

Waste:

Manifest No: CTF0084672
Year: 1990
Waste Occurrence: 1
UNNA: 9189
Hazard Class: ORM-E
US Dot Description: HAZARDOUS WASTE LIQUID, NOS
No of Containers: 001
Container Type: TT
Quantity: 75
Weight/Volume: G
Additional Description: Y
Handling Code: T36
Date Record Was Last Modified: 2004-04-27 00:00:00
DEO Who Last Modified Record: IG

Waste CD:

Manifest No: CTF0084672
Year: 1990
Waste Occurrence: 1
EPA Waste Code: D018
Recycled Waste?: False
Date Record Was Last Modified: 2004-04-27 00:00:00
DEO Who Last Modified Record: IG

Detail:

Year: 1990
Manifest ID: CTF0084672
TSDf EPA ID: CTD089631956
TSDf Name: EAST COAST ENVIRONMENTAL SERVICE CORP
TSDf Address: 454 QUINNIPIAC AVE
TSDf City,St,Zip: NEW HAVEN, CT 06513
TSDf Country: USA
TSDf Telephone: Not reported
Transport Date: 11/02/1990
Transporter EPA ID: CTD089631956
Transporter Name: EAST COAST ENVIRONMENTAL SERVICE CORP
Transporter Country: USA
Transporter Phone: Not reported
Trans 2 Date: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
Trans 2 Address: Not reported
Trans 2 City,St,Zip: CT
Trans 2 Country: USA
Trans 2 Phone: Not reported
EPA ID: CTP000071636

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRADFORD MANNER FIRE DEPARTMENT (Continued)

S109755458

Generator Phone: 2034683846
Generator Mailing Addr: 89 GEORGE ST
Generator Mailing Town: EAST HAVEN
Generator Mailing State: CT
Generator Mailing Zip: 06512
Generator Mailing Country: USA
Special Handling: Yes
Discrepancies: No
Date Shipped: 11/02/1990
Date Received: 11/02/1990
Last modified date: 04/27/2004
Last modified by: IG
Comments: Not reported

5
NNE
1/4-1/2
0.396 mi.
2091 ft.

MANSFIELD LANDING MARINA
MANSFIELD GROVE ROAD
EAST HAVEN, CT 06512

LUST **S105458674**
RGA LUST **N/A**
CPCS

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANSFIELD LANDING MARINA (Continued)

S105458674

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
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
OCSR 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANSFIELD LANDING MARINA (Continued)

S105458674

Fund Date:	Not reported
Fund Planned:	No
Fund Obligated:	No
Fund Outlaid:	No
Fund Judgment:	No
Fund Recovered:	No
Cellar Borings:	False
Install Micro Wells:	False
Ground Water Sample:	False
Soil Sample:	False
Soil Gas:	False
Site Inspect:	False
Soil Excavate:	False
Geo Probe:	False
Survey:	False
Potable Well Sample:	False
Sample MWS:	False
Ground Water Gauging:	False
Soil Venting:	False
Active:	False
NOV Action:	None
NOV Issued:	Not reported
NOV Due:	Not reported
NOV Received:	Not reported
NOV Closed:	Not reported
NOV Disc Date:	Not reported
NOV Issued Date:	Not reported
NOV Compliance Sched:	Not reported
NOV Admin Order:	Not reported
NOV Referred To Ag:	Not reported
Stop All NOV Actions:	False
Release Invest Rpt:	False
DEP App Letter 1:	False
Correct Action Plan:	False
DEP App Letter 2:	False
Rem Sys Install:	False
Rem Sys Install Date:	Not reported
Closure Date:	Not reported
Rem Sys Monitoring Rpt:	False
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 Cabinet UST Facility Notification Form ID: 44-5269 or 44-08945?

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MANSFIELD LANDING MARINA (Continued)

S105458674

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
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	AUTOMOTIVECONTROLS	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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 01/21/2014
Number of Days to Update: 78	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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 01/09/2014
Number of Days to Update: 78	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 01/09/2014
Number of Days to Update: 78	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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/28/2014
Number of Days to Update: 94	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/10/2014
Number of Days to Update: 151	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	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 02/28/2014
Number of Days to Update: 94	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 03/10/2014
Number of Days to Update: 14	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	Source: Department of the Navy
Date Data Arrived at EDR: 11/21/2013	Telephone: 843-820-7326
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 02/14/2014
Number of Days to Update: 95	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	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 02/07/2014
Number of Days to Update: 66	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 04/23/2010	Telephone: 860-424-3705
Date Made Active in Reports: 05/25/2010	Last EDR Contact: 01/03/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SDADB: Site Discovery and Assessment Database

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

Date of Government Version: 04/23/2010	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 04/23/2010	Telephone: 860-424-3705
Date Made Active in Reports: 05/25/2010	Last EDR Contact: 01/06/2014
Number of Days to Update: 32	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/30/2013	Telephone: 860-424-3366
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 10/30/2013
Number of Days to Update: 37	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/21/2014	Telephone: 860-424-3376
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/06/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Semi-Annually

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	Source: EPA Region 10
Date Data Arrived at EDR: 11/07/2013	Telephone: 206-553-2857
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/27/2014
Number of Days to Update: 29	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 01/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Quarterly

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	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/27/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 01/30/2014
Number of Days to Update: 184	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Varies

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	Source: EPA, Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-7439
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 10	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 12/03/2013	Telephone: 860-424-3376
Date Made Active in Reports: 12/10/2013	Last EDR Contact: 03/03/2014
Number of Days to Update: 7	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 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 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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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 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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2013	Telephone: 617-918-1102
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/03/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 04/14/2014
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 12/05/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 12/06/2013	Telephone: 860-424-3705
Date Made Active in Reports: 12/10/2013	Last EDR Contact: 02/10/2014
Number of Days to Update: 4	Next Scheduled EDR Contact: 05/26/2014
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS 2: Brownfields Inventory

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

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

BROWNFIELDS: Brownfields Inventory

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

Date of Government Version: 10/22/2013	Source: Connecticut Brownfields Redevelopment Authority
Date Data Arrived at EDR: 10/29/2013	Telephone: 860-258-7833
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 12/17/2013
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/07/2014
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/25/2014
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CDL: Clandestine Drug Lab Listing

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

Date of Government Version: 01/28/2014	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 01/30/2014	Telephone: 860-424-3361
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/06/2014
Number of Days to Update: 41	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	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/04/2014
Number of Days to Update: 131	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 01/27/2014
Number of Days to Update: 15	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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/21/2014	Telephone: 860-424-3120
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 02/14/2014
Number of Days to Update: 19	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: 12/05/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 12/06/2013	Telephone: 860-424-3705
Date Made Active in Reports: 12/10/2013	Last EDR Contact: 02/10/2014
Number of Days to Update: 4	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, Office of Pipeline Safety Incident and Accident data.

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 15	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	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/24/2014	Telephone: Varies
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 12/26/2013
Number of Days to Update: 31	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	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 03/11/2014
Number of Days to Update: 74	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	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/25/2014
Number of Days to Update: 146	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	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/05/2013	Telephone: 303-231-5959
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 03/05/2014
Number of Days to Update: 28	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	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 02/26/2014
Number of Days to Update: 44	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	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/26/2013
Number of Days to Update: 64	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/24/2014
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/24/2014
Number of Days to Update: 25	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/28/2014
Number of Days to Update: 77	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	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	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 01/28/2014
Number of Days to Update: 107	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 91	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/10/2014	Telephone: 202-343-9775
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/10/2014
Number of Days to Update: 61	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
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: 12/17/2013
Next Scheduled EDR Contact: 04/07/2014
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

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001
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

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 185	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

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	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 185	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 01/17/2014
Number of Days to Update: 40	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/07/2013	Telephone: 518-402-8651
Date Made Active in Reports: 11/18/2013	Last EDR Contact: 03/12/2014
Number of Days to Update: 11	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/24/2013	Telephone: 717-783-8990
Date Made Active in Reports: 08/19/2013	Last EDR Contact: 01/20/2014
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/05/2014
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Child Care Facilities
Source: Department of Public Health
Telephone: 860-509-8045

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

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

State Wetlands Data: Wetland Soils
Source: Department of Environmental Protection
Telephone: 860-871-4047

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey

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

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RESIDENCE
SECOND AVENUE
EAST HAVEN, CT 06512

TARGET PROPERTY COORDINATES

Latitude (North): 41.2475 - 41° 14' 51.00"
Longitude (West): 72.8672 - 72° 52' 1.92"
Universal Tranverse Mercator: Zone 18
UTM X (Meters): 678709.4
UTM Y (Meters): 4568213.5
Elevation: 8 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).

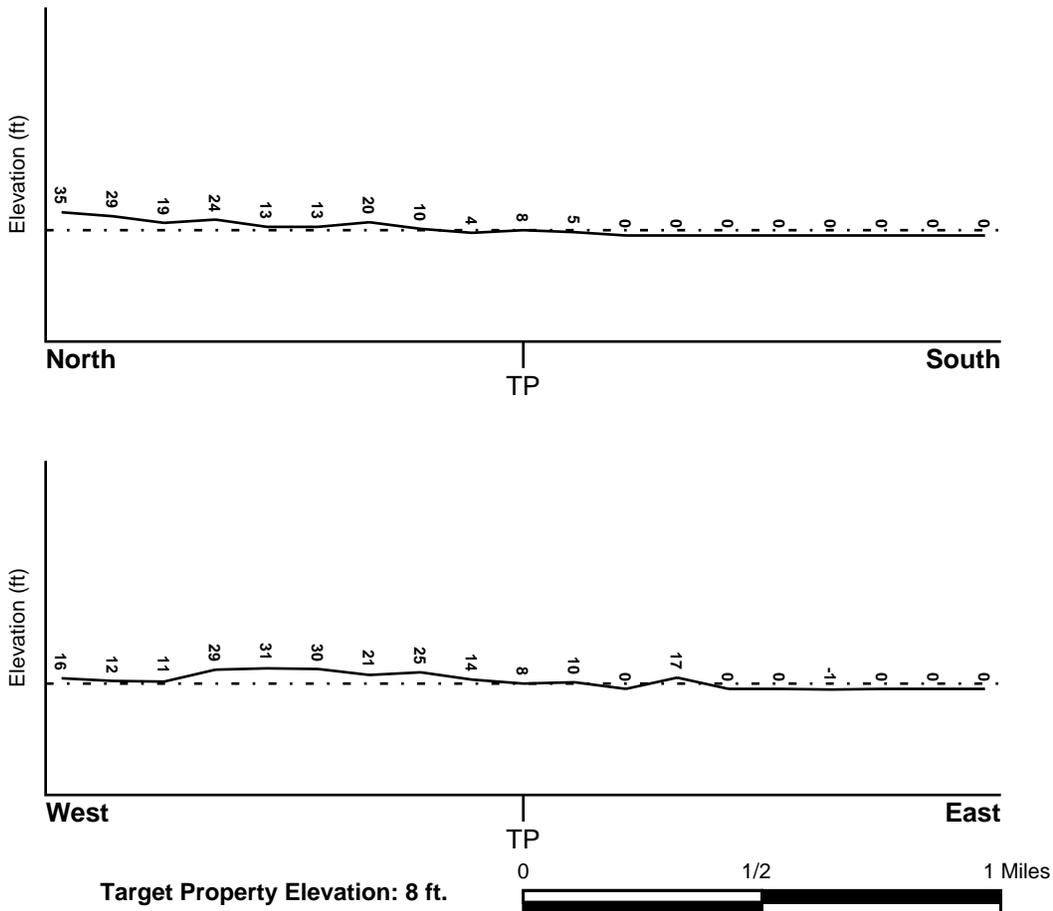
TOPOGRAPHIC INFORMATION

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 ESE

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

<u>Target Property County</u> NEW HAVEN, CT	FEMA Flood <u>Electronic Data</u> 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

<u>NWI Quad at Target Property</u> BRANFORD OE S	NWI Electronic <u>Data Coverage</u> 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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

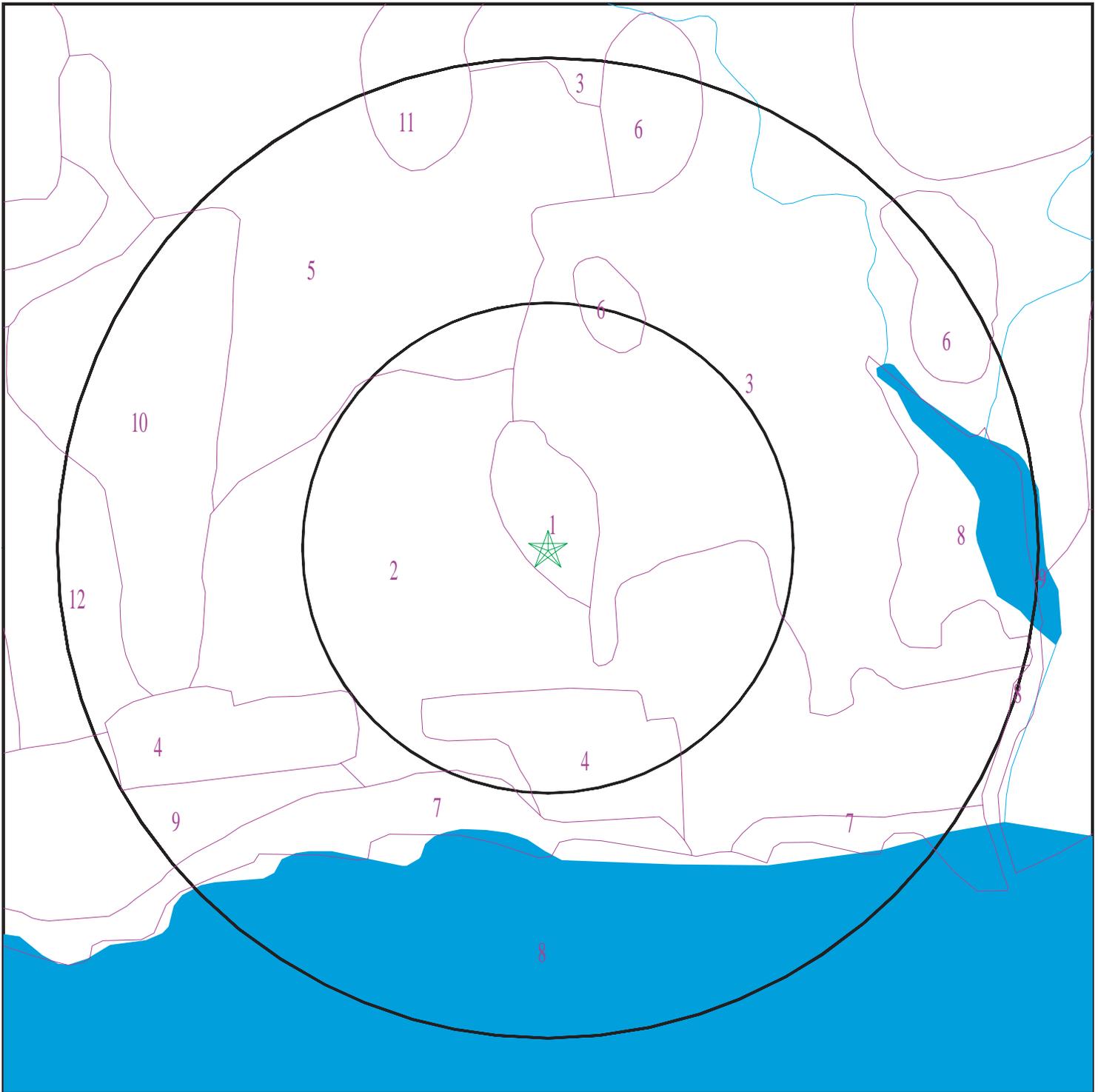
Era: Paleozoic
System: Ordovian
Series: Lower Paleozoic granitic rocks
Code: Pzg1 (*decoded above as Era, System & Series*)

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 - 3885613.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Residence
ADDRESS: Second Avenue
East Haven CT 06512
LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
CONTACT: Doug Brink
INQUIRY #: 3885613.2s
DATE: March 19, 2014 9:04 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: > 46 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
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
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: 3

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	mucky peat	A-8	Highly organic soils, Peat.	Max: 141 Min: 4	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

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

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 7

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

Soil Map ID: 8

Soil Component Name: Water

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: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 9

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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: 10

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: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

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: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

Soil Map ID: 12

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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
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

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

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3885613.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- EPA Designated Sole Src. Aq.

SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.2s
 DATE: March 19, 2014 9:04 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	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

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

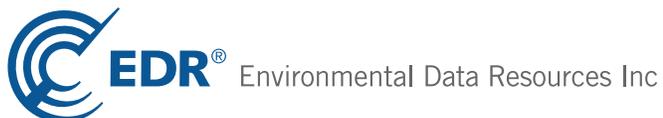
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Residence

Second Avenue
East Haven, CT 06512

Inquiry Number: 3885613.8s
March 19, 2014

EDR NEPACheck®



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

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

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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 55 of this report.

TARGET PROPERTY ADDRESS

RESIDENCE
SECOND AVENUE
EAST HAVEN, CT 06512

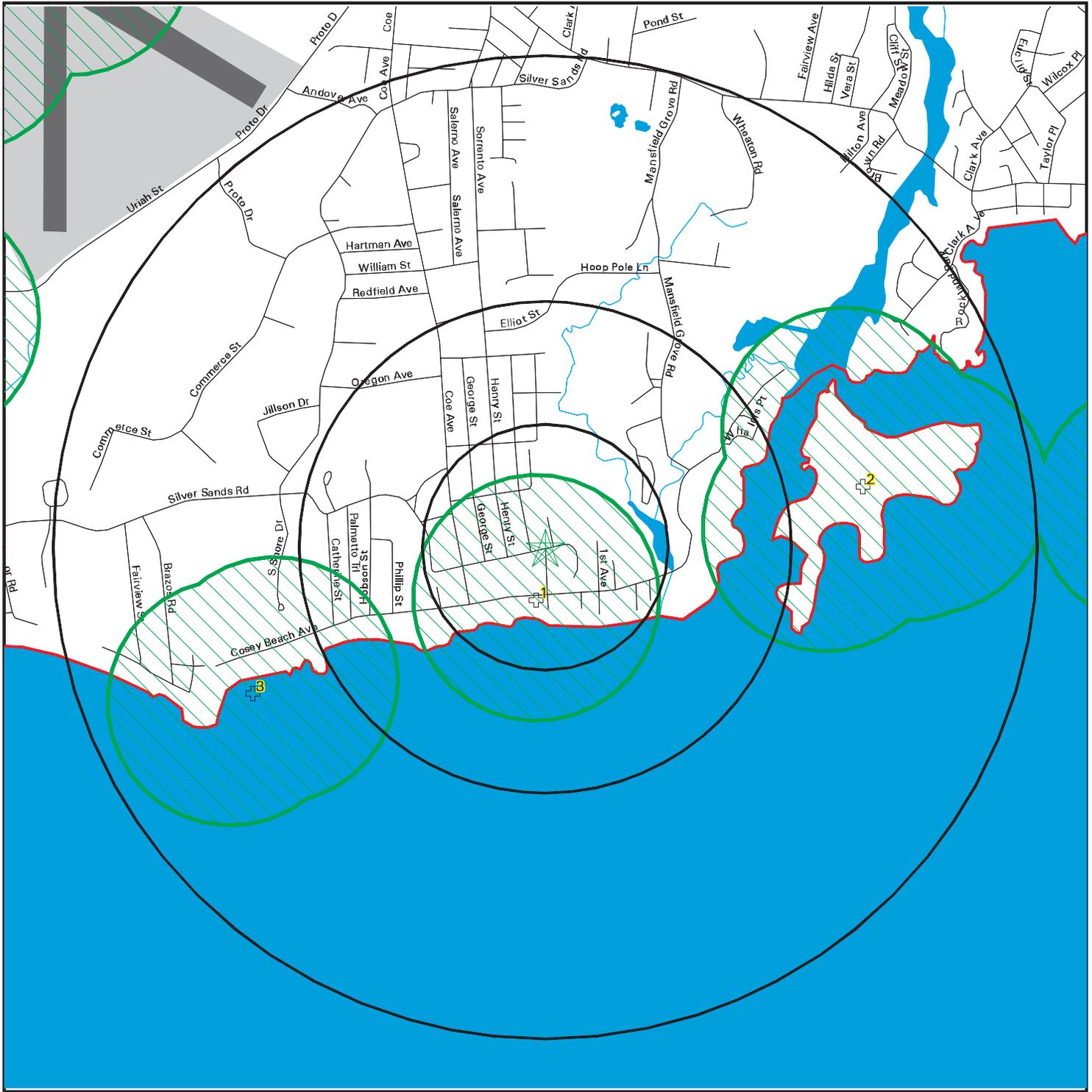
Inquiry #: 3885613.8s
Date: 3/19/14

TARGET PROPERTY COORDINATES

Latitude (North): 41.247501 - 41° 14' 51.0"
Longitude (West): 72.867203 - 72° 52' 1.9"
Universal Tranverse Mercator: Zone 18
UTM X (Meters): 678709.4
UTM Y (Meters): 4568213.5

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
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
<u>HISTORIC SITES MAP</u>				
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
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
	NY COASTAL ZONE	20.00	YES	NO
<u>FCC & FAA SITES MAP</u>				
	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 | ⊕ Locations |
| ⚡ Roads | ▨ Federal Areas |
| ⚡ County Boundary | ⚡ Federal Linear Features |
| ⚡ Waterways | ▨ State Areas |
| ■ Water | ⚡ State Linear Features |
| ✈ Airports | |



SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.8s
 DATE: March 19, 2014

NATURAL AREAS MAP FINDINGS

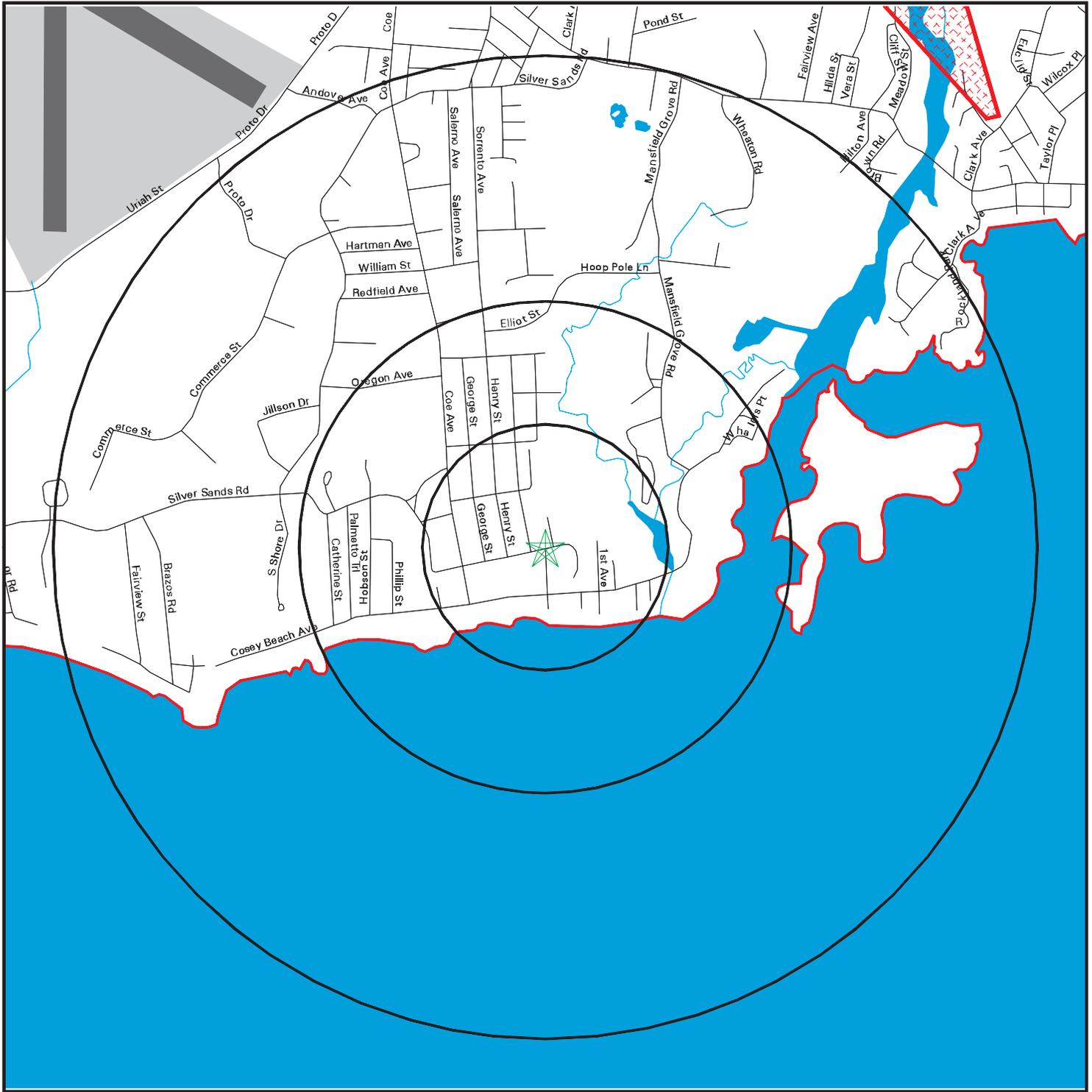
Federal Endangered Species Listed for: NEW HAVEN County, CT.

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.)	Text:	EDR ID Database
1	North	0-1/8 mi	0	No details provided by source agency	CTEN000001 CT Natural Diversity
2	East	1/4-1/2 mi	1697	No details provided by source agency	CTEN000001 CT Natural Diversity
3	WSW	1/4-1/2 mi	1916	No details provided by source agency	CTEN000001 CT Natural Diversity

Historic Sites Map



- ★ Target Property
- ◇ Historic Sites
- ≡ Streets
- ▨ Federal Historic Areas
- ▨ County Boundary
- ▨ State Historic Areas
- ≡ Waterways
- ▨ US Indian Reservations
- Water
- ≡ Scenic Trail
- ✈ Airports



SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.8s
 DATE: March 19, 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
CT200800000906
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
 Fdr id: CT200800000906

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
CT200800000907
CT Historic Sites

UNMAPPABLE HISTORIC SITES

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

**Status
EDR ID
Database**

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

Unmappable
CT2008000001149
CT Historic Sites

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

Unmappable
88001583
National Register of Hist. Places

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

Unmappable
CT2008000000908
CT Historic Sites

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

Fname: CANOE BROOK HISTORIC DISTRICT
 Address: 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
 CT2008000000909
 CT Historic Sites

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

Unmappable
 CT2008000000910
 CT Historic Sites

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
 02000336
 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

Acre: 28.0+

Unmappable
CT2008000001150
CT Historic Sites

Fname: 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.
 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
 Address: 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
 Address: 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
 Address: 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

Address: 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

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

Unmappable
 CT2008000001130
 CT Historic Sites

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

Unmappable
 CT2008000001131
 CT Historic Sites

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
 90000569
 National Register of Hist. Places

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
 Fdr 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
 Fdr 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
 Fdr id: CT2008000001137

Unmappable
CT2008000001138
CT Historic Sites

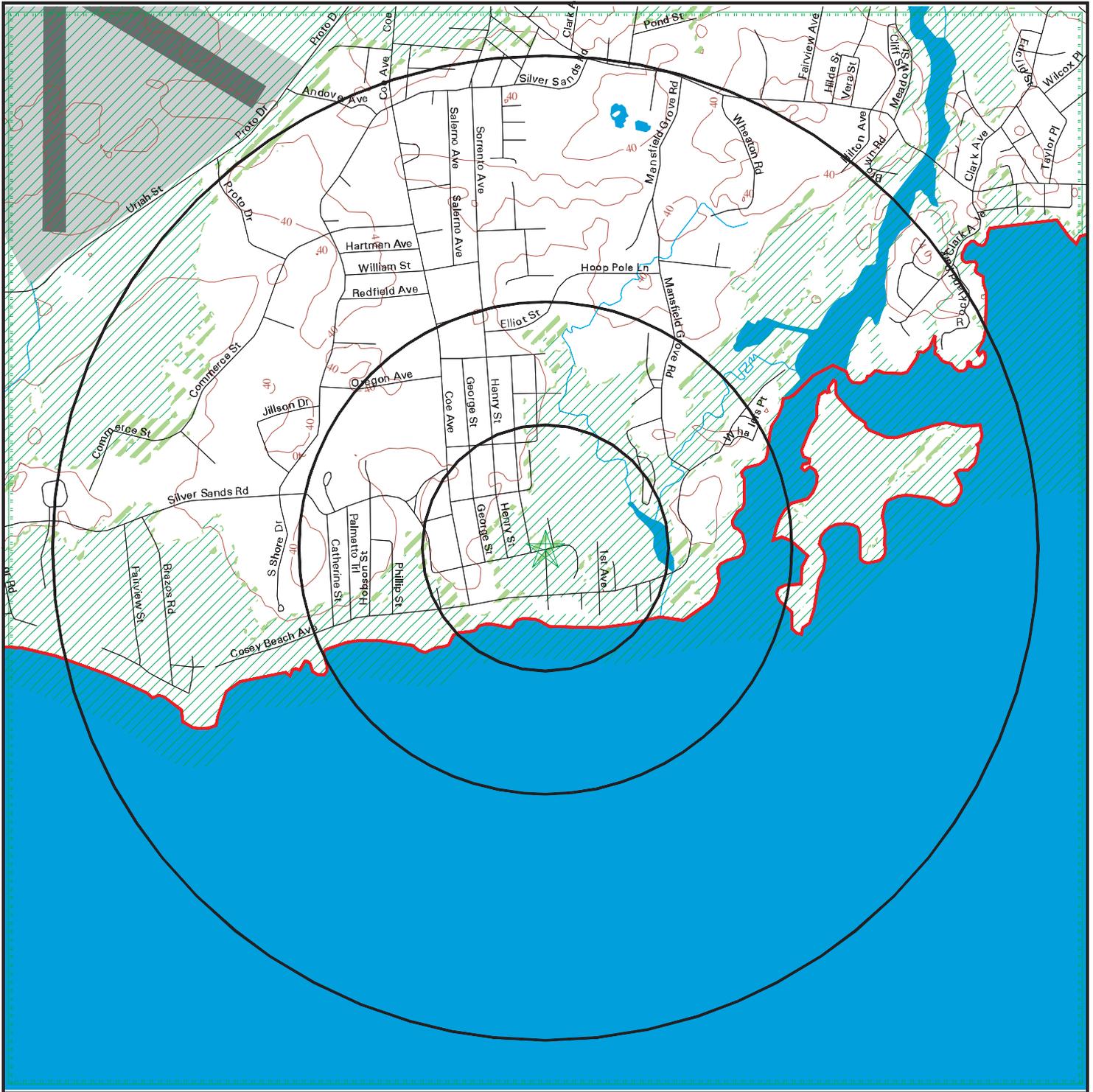
UNMAPPABLE HISTORIC SITES

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
Fedr id:	CT2008000001138

Flood Plain Map



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



SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.8s
 DATE: March 19, 2014

FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

NEW HAVEN, CT

YES

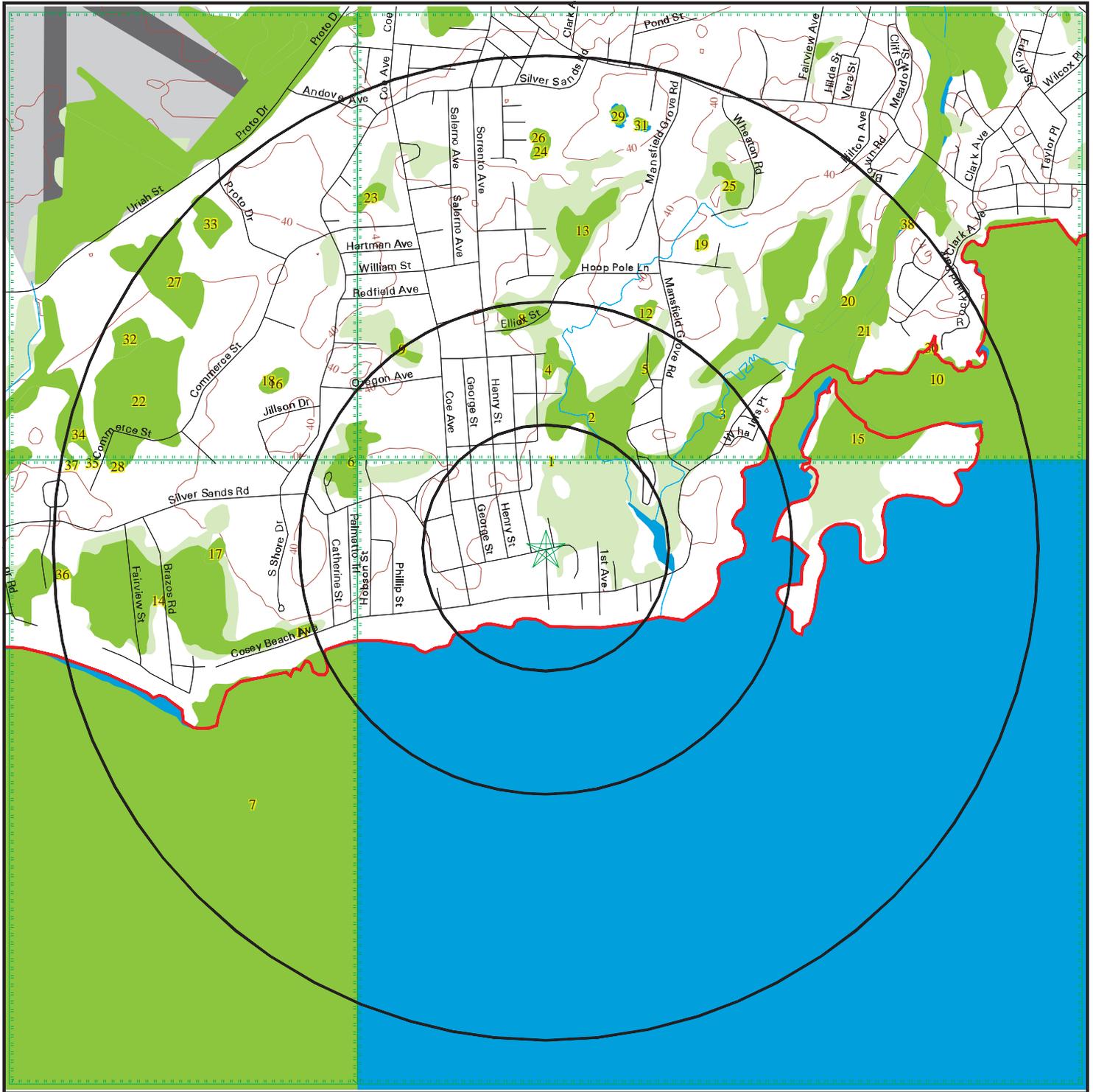
Flood Plain panel at target property:

09009C (FEMA DFIRM Flood data)

Additional Flood Plain panel(s) in search area:

None Reported

National Wetlands Inventory Map



- | | | |
|-----------------|-------------|-----------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | National Wetlands Inventory |
| Waterways | Fault Lines | State Wetlands |
| County Boundary | | Electronic NWI data available |
| Airports | | Electronic NWI data not available |

SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.8s
 DATE: March 19, 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

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	North	1/8-1/4 mi	948	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250099 / -72.867050	NWI
2	NNE	1/8-1/4 mi	1033	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250099 / -72.865707	NWI
3	NE	1/4-1/2 mi	1430	E2EM1Pd [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.250103 / -72.863312	NWI
4	North	1/4-1/2 mi	1800	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.252441 / -72.867180	NWI
5	NNE	1/4-1/2 mi	1853	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.251865 / -72.863747	NWI
6	WNW	1/4-1/2 mi	2088	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.248962 / -72.874542	NWI
7	WSW	1/4-1/2 mi	2268	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.244667 / -72.874542	NWI
8	North	1/4-1/2 mi	2321	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.253757 / -72.868790	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
9	NW	1/4-1/2 mi	2406	PSS1E [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.252956 / -72.872131	NWI
10	NE	1/4-1/2 mi	2420	E1UBL [E] Estuarine, [1] Subtidal, [UB] Unconsolidated Bottom, [L] Subtidal Lat/Lon: 41.252407 / -72.861267	NWI
11	WSW	1/4-1/2 mi	2586	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.245232 / -72.876114	NWI
12	NNE	1/4-1/2 mi	2623	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.254101 / -72.863396	NWI
13	North	1/2-1 mi	2885	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	2903	E2EMPd [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [d] Partially Drained/Ditched Lat/Lon: 41.245056 / -72.877251	NWI
15	ENE	1/2-1 mi	2954	E2EM1P [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [P] Irregularly Flooded Lat/Lon: 41.250126 / -72.857040	NWI
16	WNW	1/2-1 mi	3285	PSS1/EMF [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous / , [EM] Emergent, [F] Semipermanently Flooded Lat/Lon: 41.252357 / -72.877258	NWI
17	West	1/2-1 mi	3432	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.247601 / -72.879677	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 WNW 1/2-1 mi 3436	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.252464 / -72.877823	NWI
19 NNE 1/2-1 mi 3565	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.256207 / -72.861290	NWI
20 NE 1/2-1 mi 3719	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.253880 / -72.856644	NWI
21 ENE 1/2-1 mi 3753	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.252613 / -72.855354	NWI
22 WNW 1/2-1 mi 4069	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250648 / -72.881401	NWI
23 NNW 1/2-1 mi 4113	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.257378 / -72.874443	NWI
24 North 1/2-1 mi 4162	PEM1/SS1E [P] Palustrine, [EM] Emergent, [1] Persistent / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.258919 / -72.867691	NWI
25 NNE 1/2-1 mi 4174	PFO1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.257553 / -72.859932	NWI
26 North 1/2-1 mi 4339	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 4455	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.253960 / -72.880951	NWI
28 WNW 1/2-1 mi 4528	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.250103 / -72.883301	NWI
29 North 1/2-1 mi 4596	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.259933 / -72.864418	NWI
30 ENE 1/2-1 mi 4603	E2EM1N [E] Estuarine, [2] Intertidal, [EM] Emergent, [1] Persistent, [N] Regularly Flooded Lat/Lon: 41.253380 / -72.852386	NWI
31 NNE 1/2-1 mi 4611	PUBH [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded Lat/Lon: 41.259811 / -72.863327	NWI
32 WNW 1/2-1 mi 4789	PFO1/SS1E [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous / , [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [E] Seasonally Flooded/Saturated Lat/Lon: 41.253689 / -72.882561	NWI
33 NW 1/2-1 mi 4806	E2EMP5 [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline Lat/Lon: 41.256367 / -72.880142	NWI
34 WNW 1/2-1 mi 4932	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.250145 / -72.884789	NWI
35 West 1/2-1 mi 4935	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.250034 / -72.884827	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID	Direction	Distance	Code and Description*	Database
Distance (ft.)				
36	West	1/2-1 mi 5075	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.246674 / -72.885628	NWI
37	West	1/2-1 mi 5109	E2EMP5d [E] Estuarine, [2] Intertidal, [EM] Emergent, [P] Irregularly Flooded, [5] Mesohaline, [d] Partially Drained/Ditched Lat/Lon: 41.249950 / -72.885498	NWI
38	NE	1/2-1 mi 5166	E2USN [E] Estuarine, [2] Intertidal, [US] Unconsolidated Shore, [N] Regularly Flooded Lat/Lon: 41.256981 / -72.853233	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

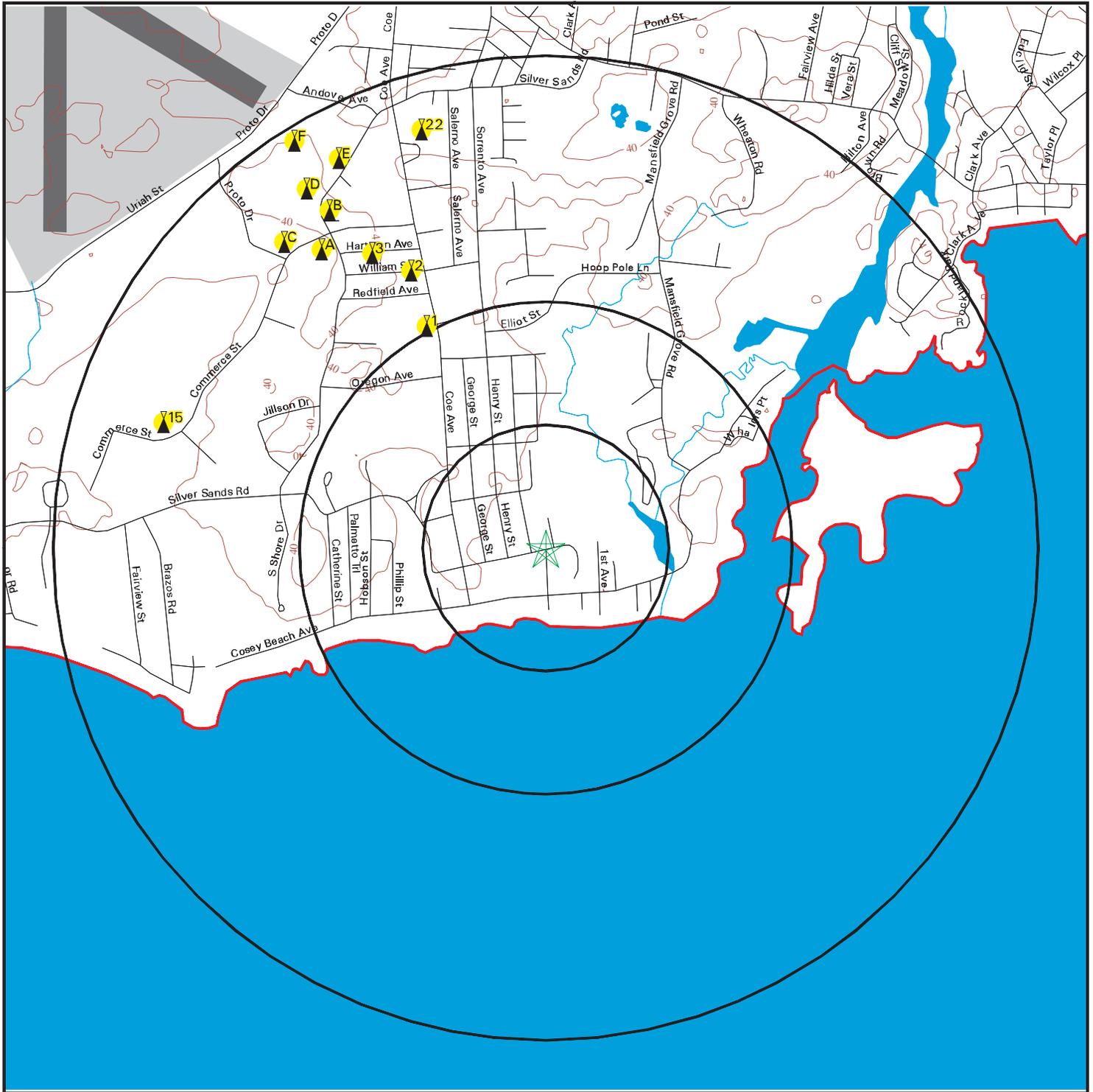
CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown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

MODIFIERS

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

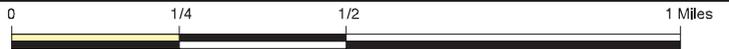
WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L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

FCC & FAA Sites Map



- Streets
- Contour Lines
- County Boundary
- Waterways
- Power Lines
- Water
- Airports

Sites



SITE NAME: Residence
 ADDRESS: Second Avenue
 East Haven CT 06512
 LAT/LONG: 41.2475 / 72.8672

CLIENT: Freeman Companies LLC
 CONTACT: Doug Brink
 INQUIRY #: 3885613.8s
 DATE: March 19, 2014

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
 NNW
 1/2-1 mi
 2702

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
 3307

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
 NNW
 1/2-1 mi
 3670

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
 3842

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
 3900

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
 3933

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

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW10000057883

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
3996

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
4014

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
 Lcid: 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
4048

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

B11
 NNW
 1/2-1 mi
 4151

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

A12
 NW
 1/2-1 mi
 4164

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
 4201

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
 4233

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

15
WNW
1/2-1 mi
4312

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
 Lcid: 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.

C16
NW
1/2-1 mi
4350

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

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Edr id: DOF130000184659

B17
NNW
1/2-1 mi
4455

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
Edr id: DOF130000184693

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

C18
 NW
 1/2-1 mi
 4488

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

D19
 NW
 1/2-1 mi
 4589

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

E20
 NNW
 1/2-1 mi
 4632

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

D21
 NNW
 1/2-1 mi
 4672

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

22
 NNW
 1/2-1 mi
 4681

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

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

Spec cond2: Not Reported
Remarks: Not Reported
Edr id: TOW10000032707

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

E23
NNW
1/2-1 mi
4695

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 TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

E24
NNW
1/2-1 mi
4867

DOF130000184736
NOAA_DOF

Dof 1310:	184736
Dof 1310 id:	184736
Ors num:	09-020392
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.259214
Longitude:	-72.875708
Obs type:	BLDG
Quantity:	1
Agl ht:	10
Amsl ht:	44
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184736

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

F25
 NNW
 1/2-1 mi
 5034

DOF130000184731
 NOAA_DOF

Dof 1310:	184731
Dof 1310 id:	184731
Ors num:	09-020002
Verificati:	O
Country:	US
State:	CT
City name:	EAST HAVEN
Latitude:	41.259156
Longitude:	-72.877028
Obs type:	BLDG
Quantity:	1
Agl ht:	29
Amsl ht:	42
Lighting:	R
H acc:	5
V acc:	D
Mark:	N
Faa study:	2007ANE00113OE
Action:	C
Jdate:	2010176
Edr id:	DOF130000184731

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

F26
NNW
1/2-1 mi
5229

DOF130000184749
NOAA_DOF

Dof 1310:	184749
Dof 1310 id:	184749
Ors num:	09-020435
Verificati:	O
Country:	US
State:	CT
City name:	NEW HAVEN
Latitude:	41.259811
Longitude:	-72.876969
Obs type:	BLDG
Quantity:	1
Agl ht:	6
Amsl ht:	42
Lighting:	U
H acc:	2
V acc:	C
Mark:	U
Faa study:	Not Reported
Action:	A
Jdate:	2010286
Edr id:	DOF130000184749

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 LAMPOR
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

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

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

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

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

CT Natural Diversity: CT Natural Diversity Database

Point locations of listed species and significant natural communities

Source: Dept. of Environmental Protection.

Telephone: 860-424-3378

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5

Div. Of Personnel Mgmt. 300 Westgate Center Drive

Hadley, MA 01035-9589

413-253-8313

State Contacts for Additional Information

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

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

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

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

The National Register includes:

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

Date of Government Version: 03/23/2006

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

Federal Contacts for Additional Information

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

State Contacts for Additional Information

Connecticut Historical Commission 860-566-3005

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

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

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

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

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

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information

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

Scenic Trails

Government Records Searched in This Report

APPAL_TRAIL: Appalachian National Scenic Trail

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

Telephone: (304) 535-6278

Appalachian Trail centerline.

State Contacts for Additional Information

Appalachian Trail Conference

799 Washington Street P.O. Box 807

Harpers Ferry, WV 25425-0807

(304) 535-6331

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

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

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Office of Emergency Management 860-566-3180

Wetlands Protection

Government Records Searched in This Report

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

State Wetlands Data: Wetland Soils

Source: Department of Environmental Protection

Telephone: 860-871-4047

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Natural Resources and Environment 860-424-3474

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

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

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management

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

State Contacts for Additional Information

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

FCC & FAA SITES MAP

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

Government Records Searched in This Report

Cellular

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

4G Cellular

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

Antenna Structure Registration

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

Towers

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

AM Antenna

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

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FM Antenna

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

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

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

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.

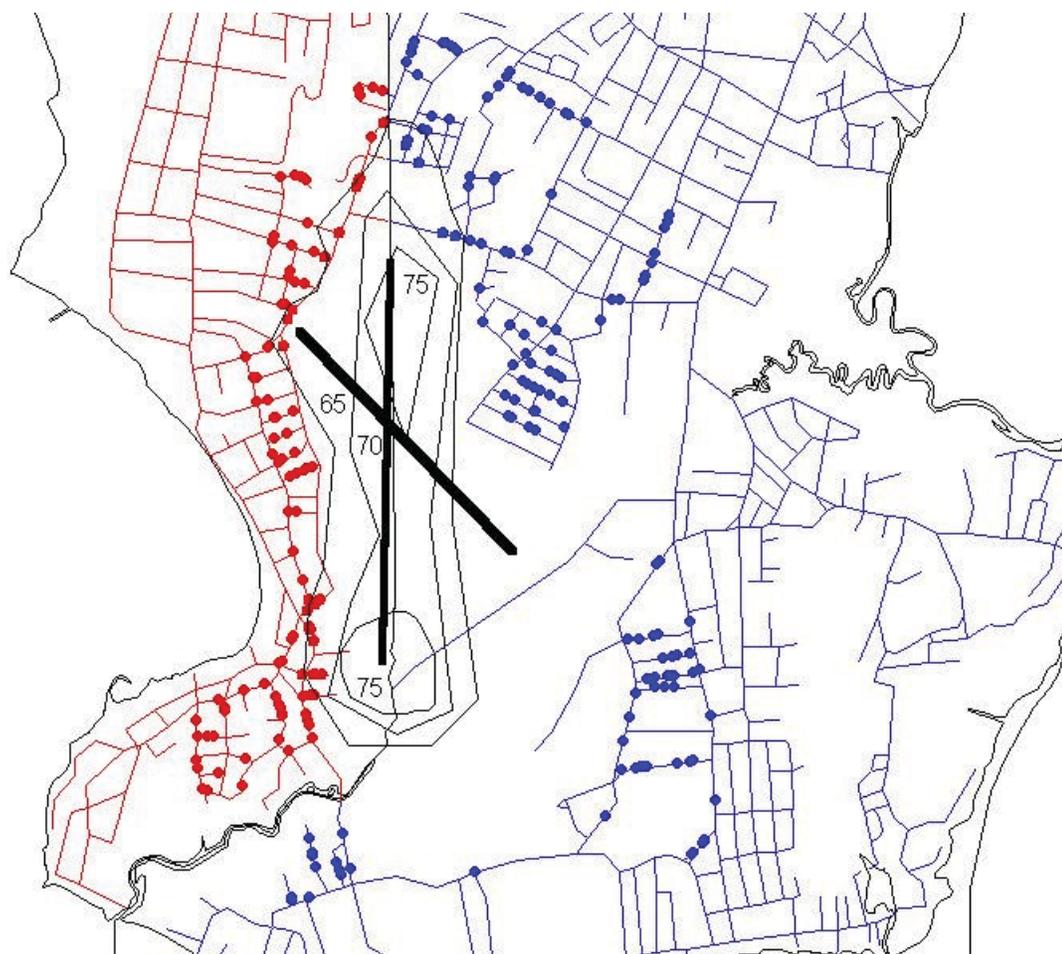
Federal Contacts for Additional Information

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

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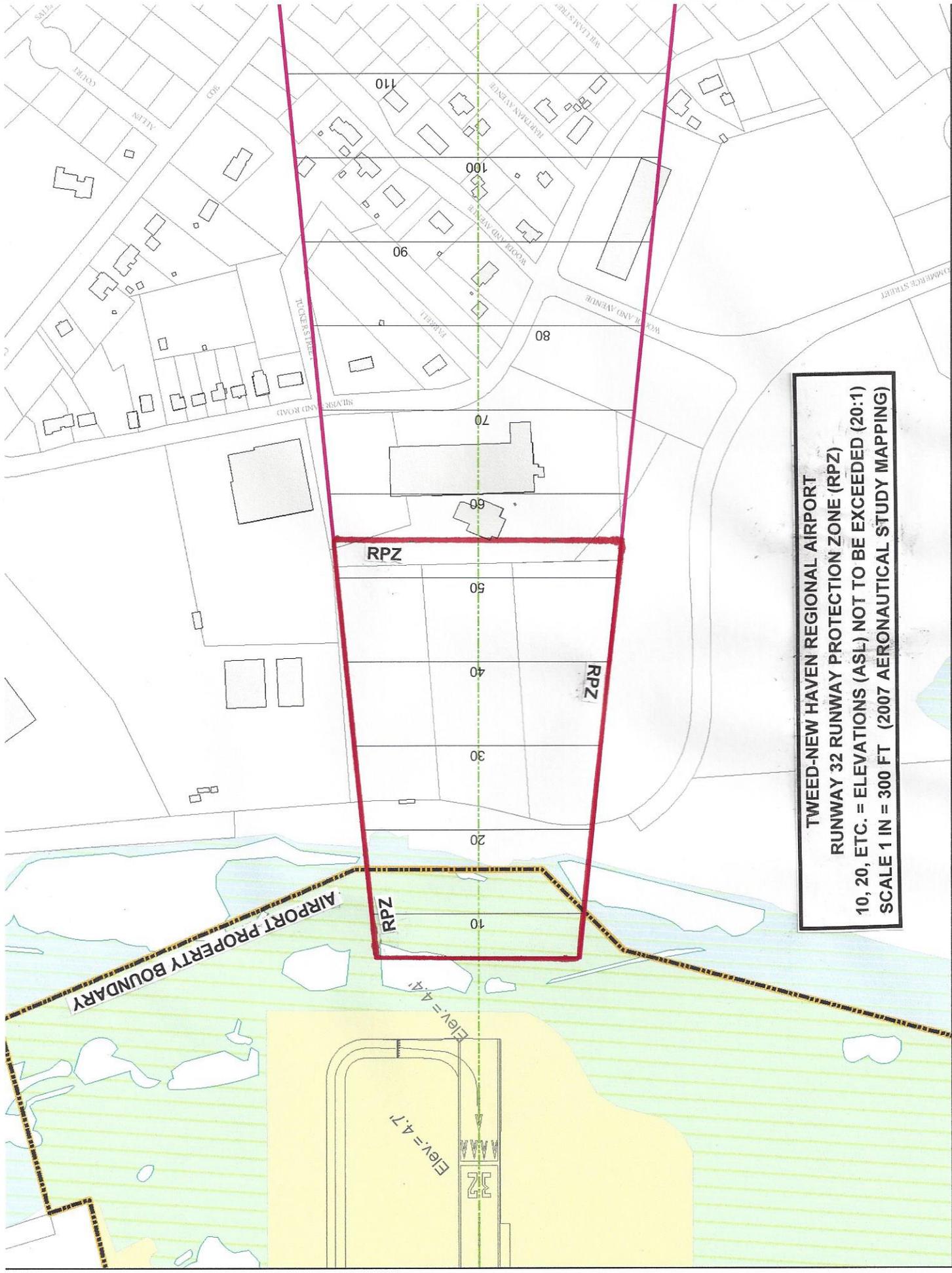


Note: Red dots denote New Haven properties and blue dots indicate East Haven properties; squares are properties within the 65db contour.

Due to the limited number of properties inside the 65db noise contour, a statistical test based on the means of those properties inside and outside the contour as above is not reliable. We use Ordinary Least Squares to estimate the impact of property location, that is inside and outside of the 65db noise contour, on the properties’ sales price growth rate. We find no significant impact of housing location on the sales price growth rate. The model is a simple linear regression model written as:

$$P = \beta_0 + \beta_1 \text{zone} + \beta_2 \text{67next} + \beta_3 \text{67twice} + \beta_4 \text{80same} + \beta_5 \text{80next} + \beta_6 \text{90same} + \varepsilon,$$

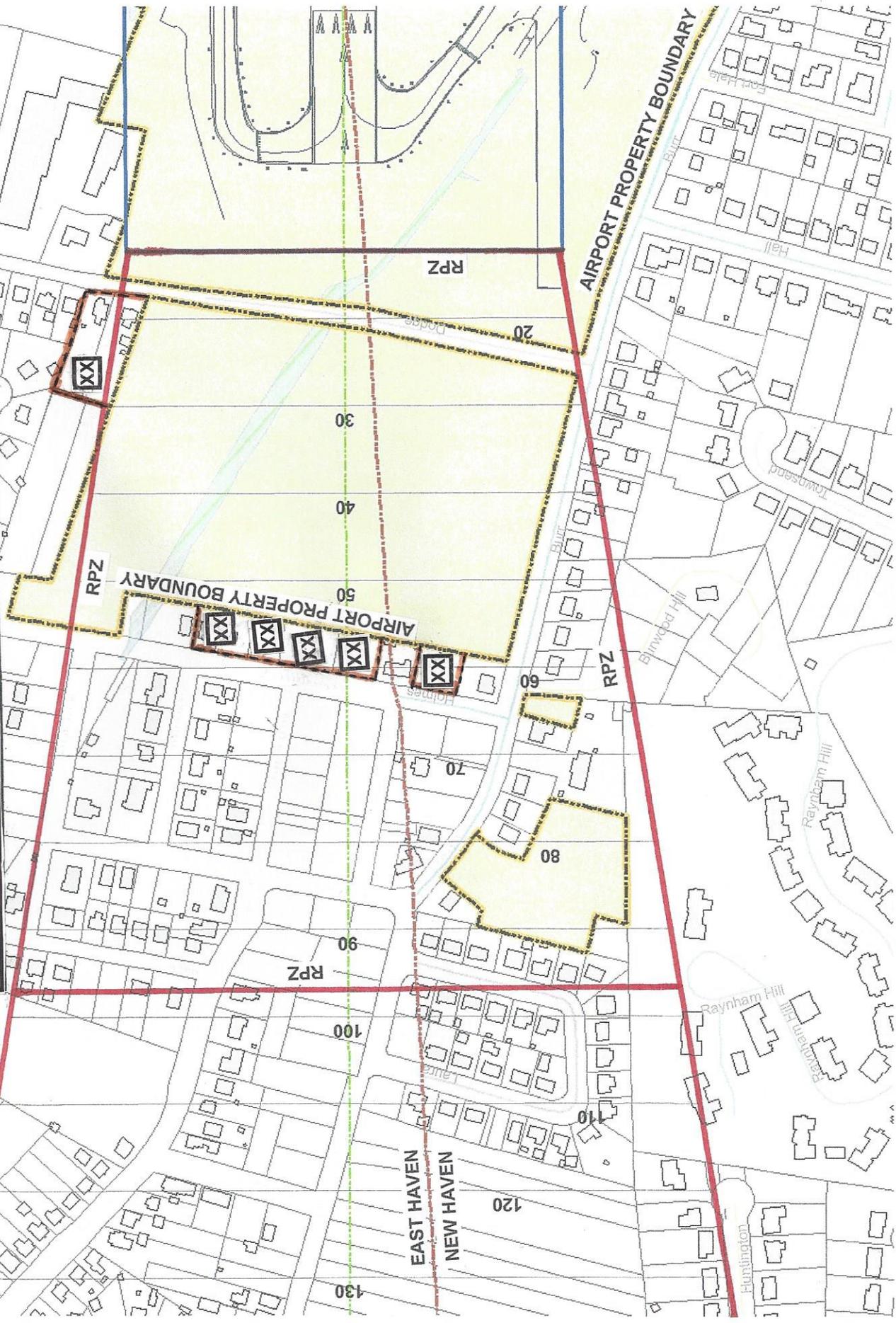
where P stands for housing price growth rate. The zone variable has value of 1 if the property is inside the 65db contour and 0 otherwise. Each categorical variable controls for the different sales scenarios described in Appendix 7. For example, “67next” has the value of 1 if the property was first sold in the period 1967-1979 and resold again in the period 1980-1989, and 0 otherwise. “67twice” means that the property was first sold in the period 1967-1979 and resold in 1990 or later. “80same” indicates whether the property was first sold and resold

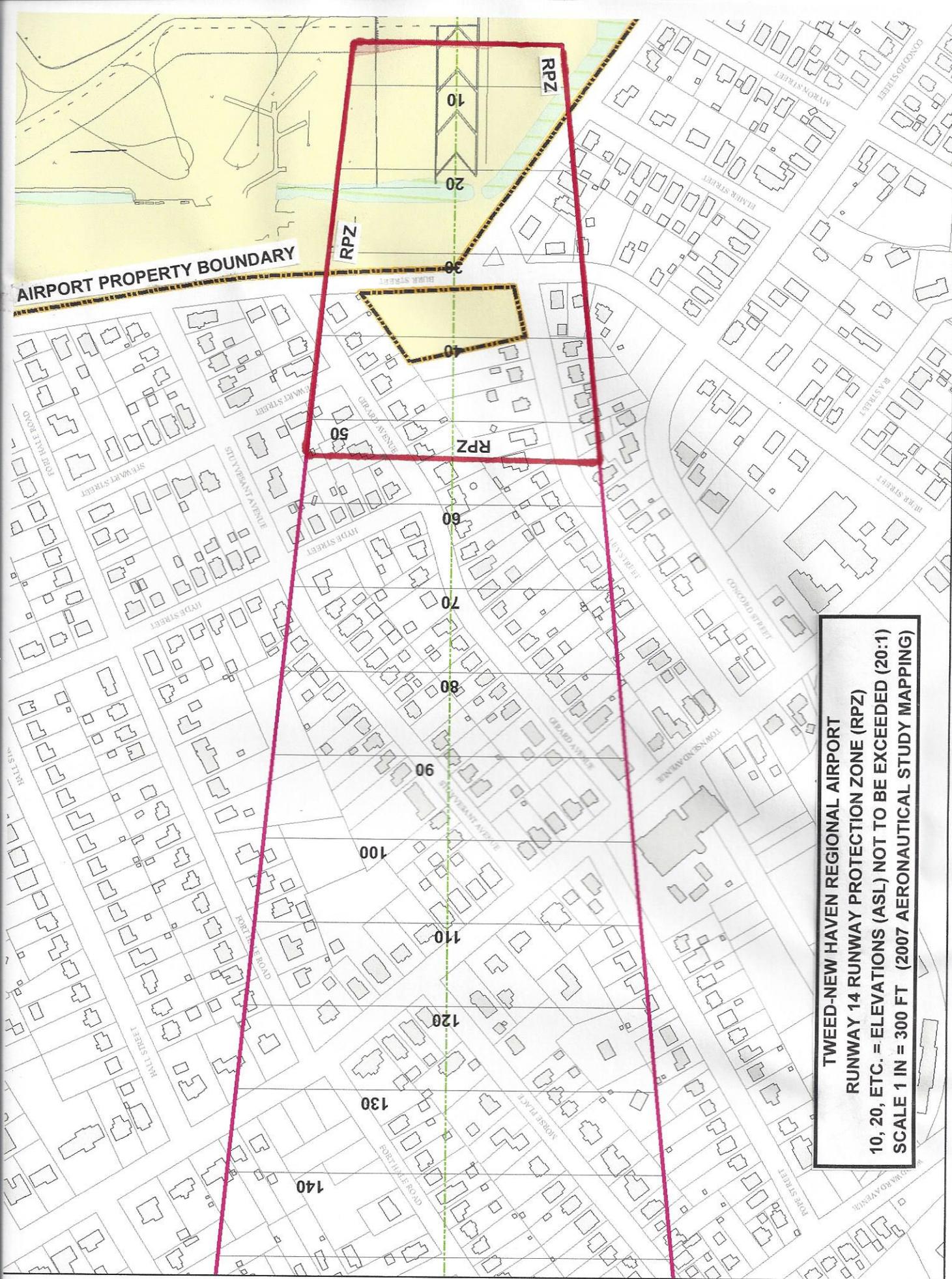


TWEED-NEW HAVEN REGIONAL AIRPORT
RUNWAY 32 RUNWAY PROTECTION ZONE (RPZ)
 10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)
 SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)

Runway 32 Approach Surface - 20:1 Obstacle Clearance

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





**TWEED-NEW HAVEN REGIONAL AIRPORT
 RUNWAY 14 RUNWAY PROTECTION ZONE (RPZ)
 10, 20, ETC. = ELEVATIONS (ASL) NOT TO BE EXCEEDED (20:1)
 SCALE 1 IN = 300 FT (2007 AERONAUTICAL STUDY MAPPING)**

Runway 14 Approach Surface - 20:1 Obstacle Clearance Surface

FAR Part 77



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*
Benito De Leon, Director
Office of Airport Planning and Programming (APP-1)
Michael J. O'Donnell
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.

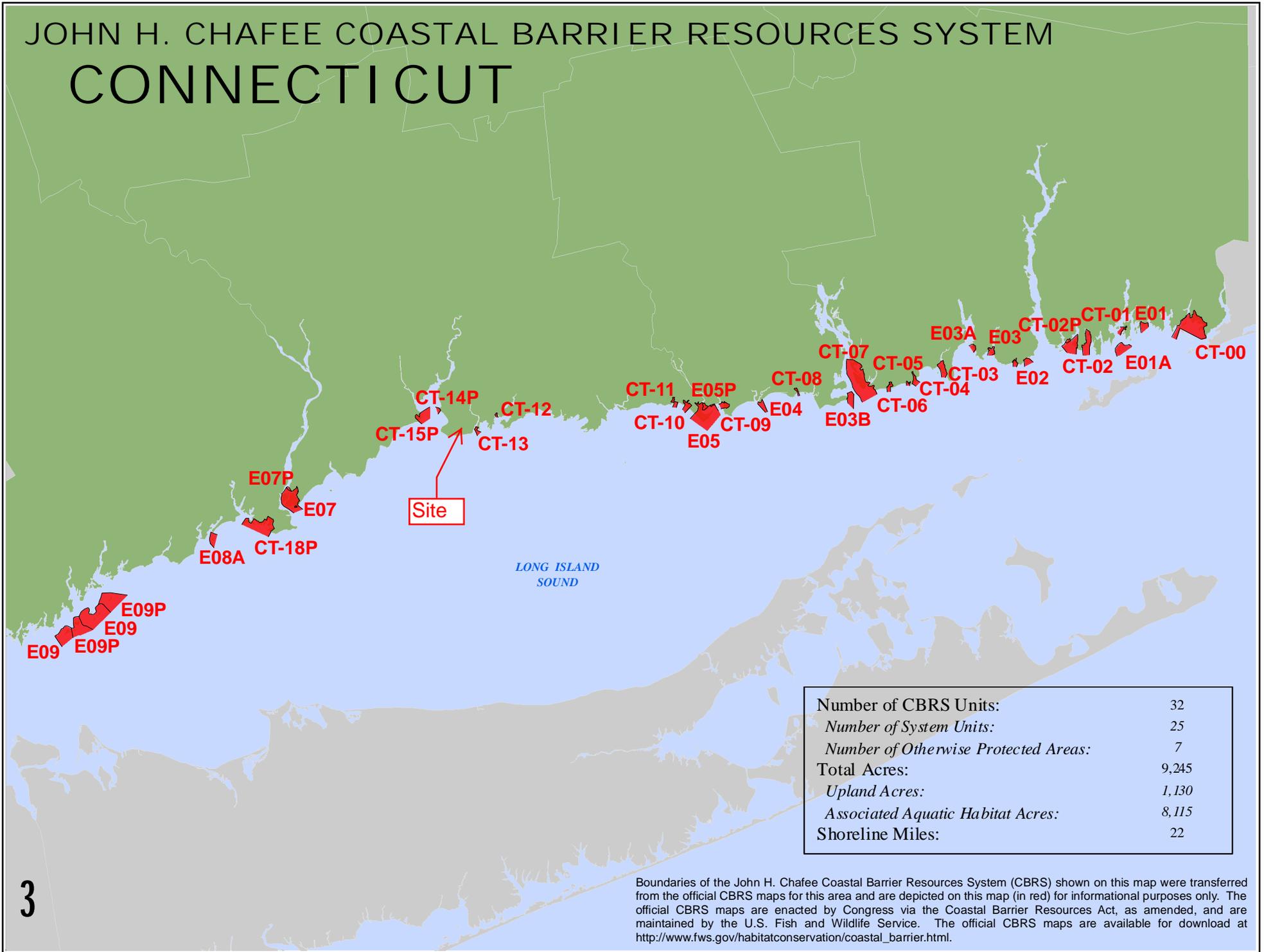
In addition, APP-400 and AAS-100 will work with the Region/ADO to craft language for inclusion in the airspace determination letter regarding any violations to ensure that all stakeholders (including tenants, operators, and insurers) are fully apprised of the issues and potential risks and liabilities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

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 subdivision 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

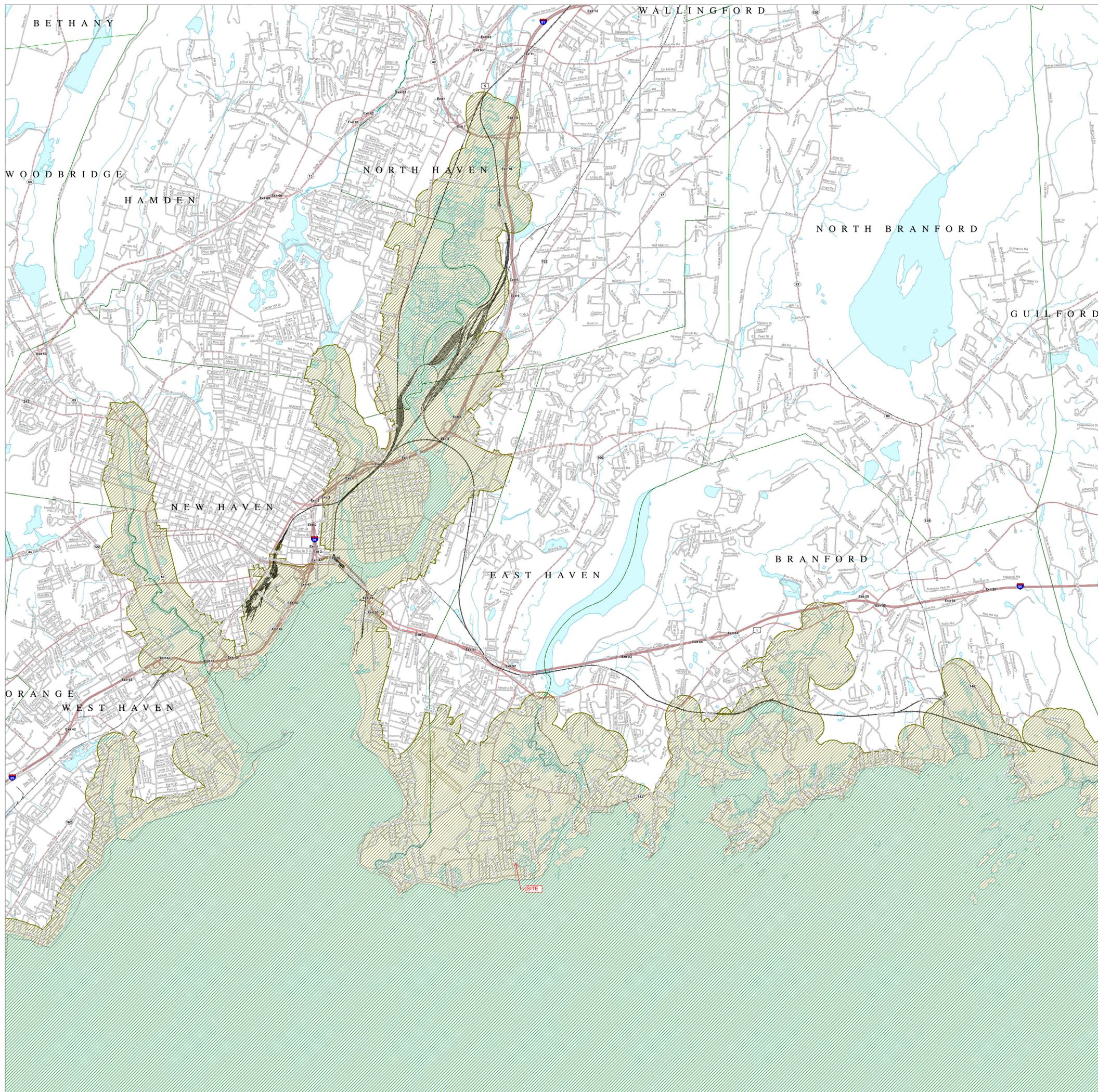
This map is intended to be printed at its original dimensions in order to maintain the 1:24,000 scale (1 inch = 2000 feet).

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



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



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.

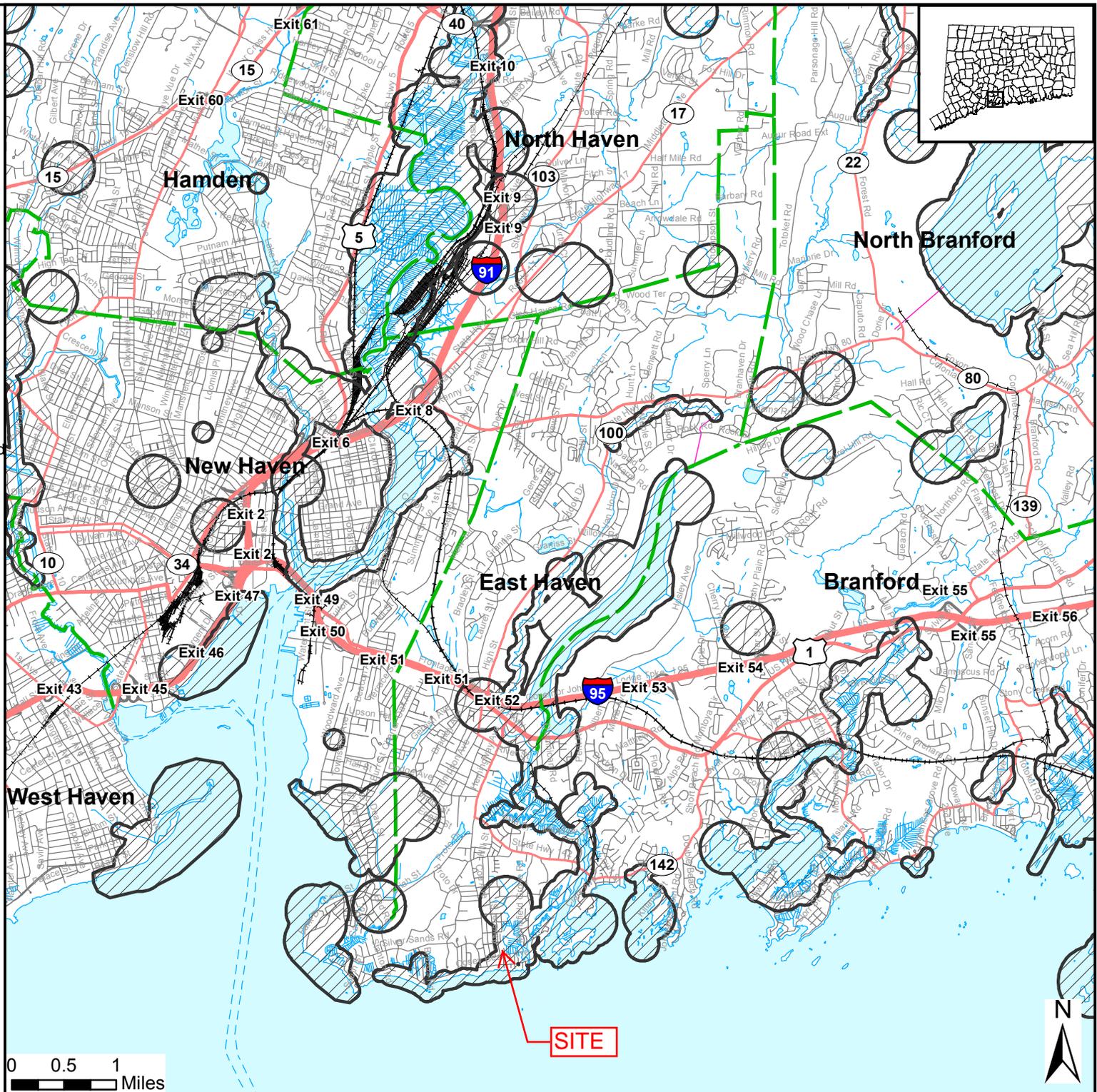
www.ct.gov/deep/nddbrequest

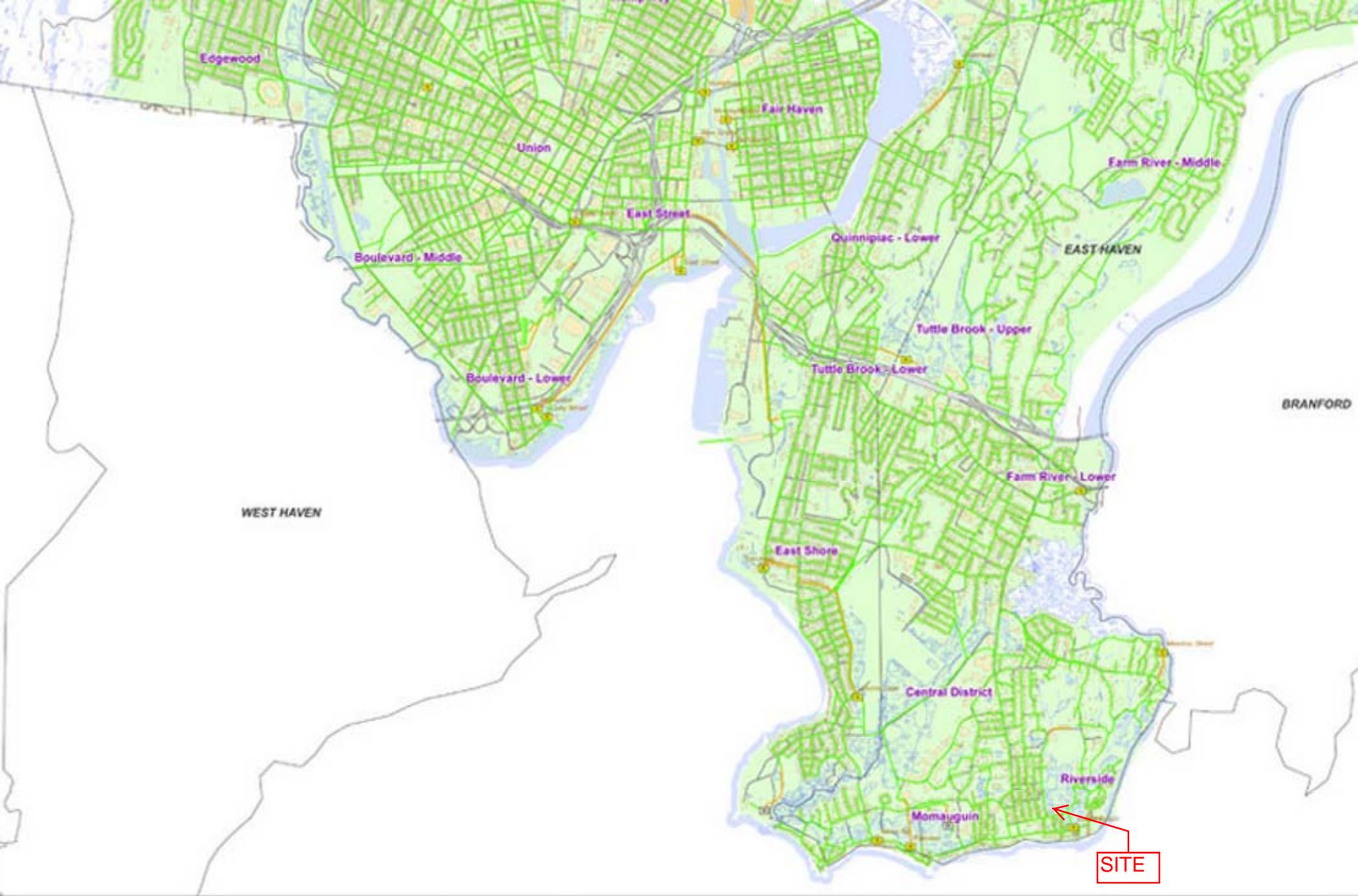
This file has PDF Layers. Look for the Layers tab on the left. Expand the layers and use the "eye" icons to change visibility.

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





Legend

- GNHWPCA Sanitary Sewer Area
- *Existing Preserved Open Space

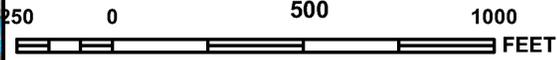
GNHWPCA Sewer Service Area Map

Disclaimer:
 Sewer mapping data is for planning purposes only. Although compiled from recent plans, there is no guarantee that this data is free from errors and omissions.

*GNHWPCA Sanitary Sewer Area to be developed consistent with the Connecticut Office of Policy and Management Conservation and Development Plan Locational Guide Map designated as an Existing Preserved Open Space.



MAP SCALE 1" = 500'



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.

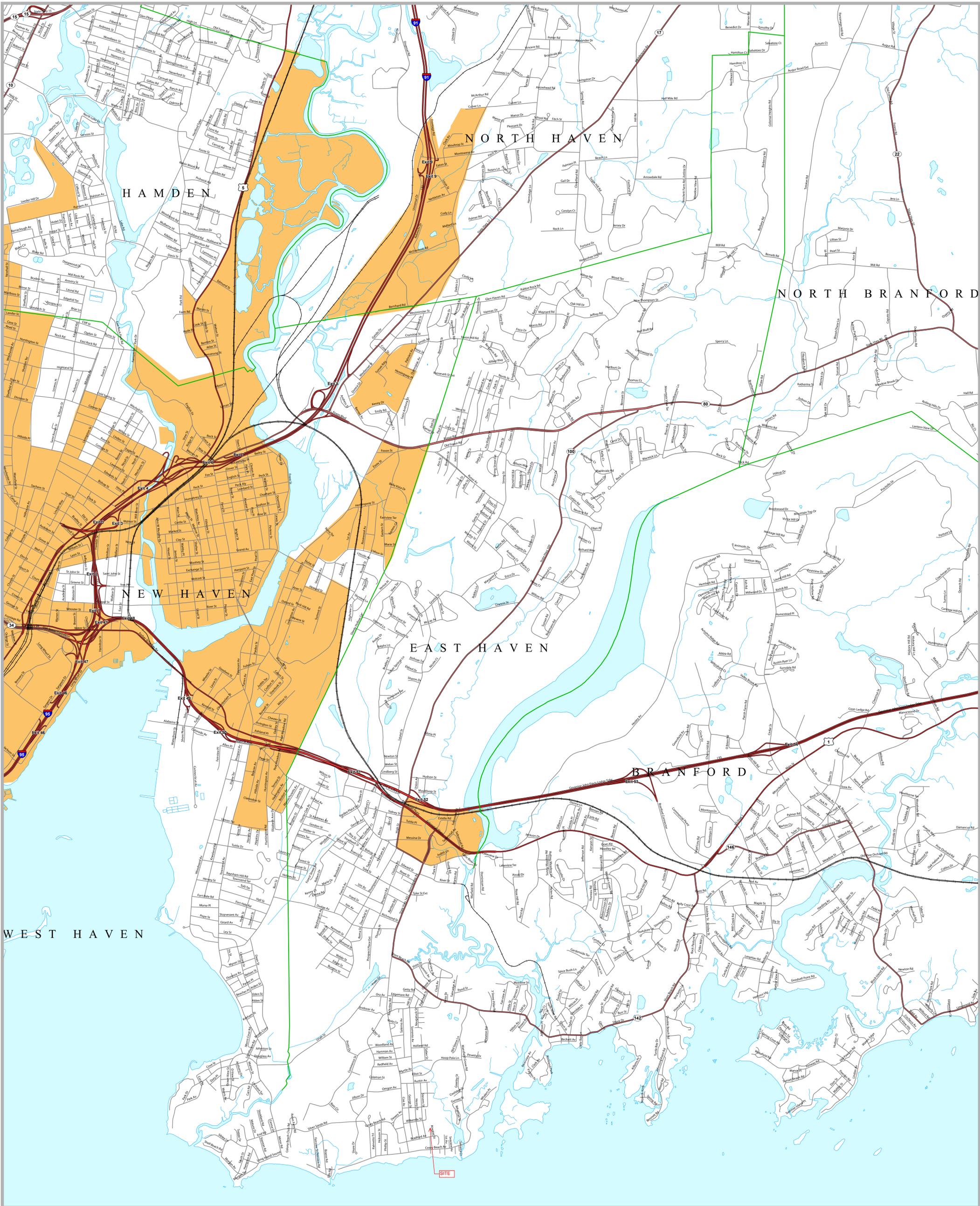
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
09009C0576J
MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

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



Environmental Justice Communities

EAST HAVEN, CT

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.



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

Map prepared January 2009



Location of Town
 in Connecticut

Environmental Review Record and Statutory Checklist
20 Atwater Street
East Haven, CT



Appendix D

Limited Hazardous Materials Inspection Report

Limited Hazardous Materials Building Inspection Report

20 Atwater Street
East Haven, CT

Connecticut Department of Housing Application No. 1245
Lothrop Associates Project No. 1524-04

Lothrop Associates LLP

Hartford, CT

May 2014



Fuss & O'Neill EnviroScience, LLC

56 Quarry Road
Trumbull, CT 06611



FUSS & O'NEILL
EnviroScience, LLC

May 29, 2014

Mr. Thomas Streicher
Project Architect
Lothrop Associates LLP
100 Pearl Street, 14th Floor
Hartford, CT 06103

RE: Limited Hazardous Materials Building Inspection
20 Atwater Street, East Haven, Connecticut
Fuss & O'Neill EnviroScience Project No. 20140370.A9E
Lothrop Associates Project No. 1524-04

Dear Mr. Streicher:

Enclosed is the report for the limited hazardous materials building inspection performed at 20 Atwater Street located in East Haven, Connecticut.

The inspection was performed from May 2, 2014 through May 5, 2014, by a Fuss & O'Neill EnviroScience, LLC state-licensed inspector and included an asbestos inspection, testing for lead-based paint, a mold visual assessment, and an airborne radon assessment. In addition, EnviroScience performed a lead-based paint risk assessment following the initial comprehensive lead-based paint inspection.

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

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

Sincerely,

Kevin McCarthy
Project Manager

Robert L. May, Jr.
President
NEHA NRPP # 105366 RT

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

www.fando.com

Connecticut
Massachusetts
Rhode Island
South Carolina

Enclosure

Table of Contents

Limited Hazardous Materials Building Inspection Report 20 Atwater Street, East Haven, Connecticut Lothrop Associates LLP

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Appendices

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APPENDIX B	LOTHROP ASSOCIATES LLP INITIAL PROPERTY INSPECTION REPORT
APPENDIX C	ASBESTOS SAMPLE RESULTS AND CHAIN OF CUSTODY FORMS
APPENDIX D	LEAD PAINT TESTING PROCEDURES AND EQUIPMENT
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APPENDIX F	LEAD IN DUST SAMPLE RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX G	LEAD IN DRINKING WATER SAMPLE RESULTS AND CHAIN OF CUSTODY FORM
APPENDIX H	AIRBORNE RADON GAS ASSESSMENT RESULTS AND CHAIN OF CUSTODY FORM



1 Introduction

From May 2, 2014, through May 5, 2014, Fuss & O'Neill EnviroScience, LLC (EnviroScience) Environmental Analyst, Mr. Eduardo Miguel Marques performed a limited hazardous materials building inspection at the property located at 20 Atwater Street located in East Haven, Connecticut (the "Site"). On May 2, 2014, EnviroScience's Mr. Ulkens Auguste performed sampling for lead in dust and lead in drinking water. Mr. Auguste is a state-licensed lead inspector/risk assessor. Refer to *Appendix A* for EnviroScience state licenses, certifications and accreditations.

This inspection was performed in response to the Connecticut Department of Housing Community Development Block Grant Disaster Recovery (CDBG-DR) "Hurricane Sandy". The inspection including the following:

- Inspection for asbestos-containing materials (ACM);
- Lead based-paint (LBP) inspection;
- A Mold visual assessment; and
- Airborne radon gas assessment.

The asbestos inspection was limited and addressed specific materials to be impacted by renovation activities, as detailed in the Lothrop Associates LLP (Lothrop) initial property inspection report. Refer to *Appendix B* for the Lothrop report.

2 Asbestos Inspection

A Property Owner must ensure that performance of a thorough inspection for asbestos-containing materials (ACM), prior to possible disturbance of materials containing asbestos during renovation or demolition, is conducted. This is a requirement of the U.S. 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, Sub-Part 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 (\leq) 1,000 square feet.
 - b. Five samples collected from each homogenous area that is greater than ($>$) 1,000 square feet, but less than or equal to 5,000 square feet.
 - c. Seven samples collected from each homogenous area that is greater than ($>$) 5,000 square feet.
2. Thermal System Insulation (TSI) (e.g. pipe insulation, tank insulation, etc.) was collected in a randomly distributed manner representing each homogenous area. Three bulk samples were collected as representative of each homogeneous material type, and sent to laboratory for asbestos analysis. Also, a minimum of one sample of any patching material (less than 6 linear of square feet) applied to TSI was collected.
3. Miscellaneous Materials (MISC) (e.g. floor tile, gaskets, construction mastics, etc.) had a minimum of two samples collected as representative of each homogenous material type. Sampling was conducted in a manner sufficient to determine asbestos content of the homogenous material as determined by the Asbestos Inspector. If materials identified were of (significant) minimal quantity, only a single sample was collected.

The asbestos inspector collected samples and prepared proper chain of custody forms for transmission of samples to a State of Connecticut-licensed asbestos analytical laboratory for analysis by Polarized Light Microscopy (PLM). The sampling locations, material type, quantity, sample identification, and asbestos content are identified in Table 1 of the “Results” section and Table 2 of the “Discussion” section below. Materials not listed in the following tables, but identified at the Site should be considered suspect ACM until sample results indicate otherwise. Refer to *Appendix C* for the PLM analytical results.

2.2 Results

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

Table 1
Non-Asbestos Containing Materials

Sample No.	Location	Material Type
050214EMM-10A-B	Exterior Foundation	Cement Coating
050214EMM-11A-C	Interior Foundation	Textured Coating
050214EMM-12A-B	Basement	Flue Cement
050214EMM-13A-B	Basement Furnace	Interior Furnace Rope
050214EMM-14A-B	Basement Bathroom	Ceramic Wall Grout
050214EMM-15A-B	Basement Bathroom	Ceramic Wall Glue
050214EMM-16A-B	Basement Bathroom	Ceramic Floor Grout
050214EMM-17A-B	Basement Bathroom	Ceramic Floor Mudset
050214EMM-18A-C	Kitchen, Basement Bathroom	Textured Ceiling
050214EMM-19A-C	Basement Bathroom	Sheetrock/Joint Compound (Composite)
050214EMM-20A-C	Basement Bathroom	Joint Compound
050214EMM-21A-B	Master Bedroom	Wall Paper Adhesive
050214EMM-22A-C	Master Bedroom Wall & Ceiling	Sheetrock/Joint Compound (Composite)
050214EMM-23A-C	Master Bedroom Wall & Ceiling	Joint Compound

2.3 Discussion

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

Based on the initial property inspection report, it is our understanding that the residence may be raised above the flood zone. As a result, the exterior siding may be impacted during remediation activities. At the request of the home owner, exploratory investigations were not performed beneath the exterior siding, due to the destructive nature of sampling. The presence of suspect asbestos-containing vapor barrier paper should be assumed to exist in this location until sample collection and analysis indicate otherwise. Prior to disturbance, sample collection and analysis of this suspect ACM is required.

2.4 Conclusions

Samples of suspect ACM identified during this inspection were collected and analyzed by PLM. The analytical results indicate the suspect ACMs identified do not contain asbestos. Suspect vapor barrier paper assumed to be located beneath exterior siding should be assumed to be ACM until sample collection and analysis indicate otherwise.

Prior to performing demolition/renovation activities, we recommend conducting a supplemental inspection for suspect ACM in hidden and inaccessible areas using destructive investigation techniques. Any suspect material encountered during renovation/demolition that is not identified in this report as being non-ACM, should be assumed to be ACM unless sample results prove otherwise.

3 Lead-Based Paint Testing

On May 2, 2014, EnviroScience representative Mr. Eduardo Miguel Marques conducted comprehensive testing for LBP-coated building materials at the Site structure. The purpose of LBP testing was for compliance with EPA's Renovation, Repair and Painting Rule (RRP) located at Title 40 CFR, Parts 745.80 through 92 and the US Department of Housing and Urban Development (HUD) Lead-Safe Housing Rule (24 CFR 35. Subparts B-R).

3.1 Methodology

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

For the purpose of this testing, 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.

The two-story residential building was constructed of wood. Window and door systems are composed of metal and wood. Walls and ceilings are composed of sheetrock. There were no children under the age of six present in the residence at the time and date of this inspection.

3.2 Results

The testing indicated consistent painting trends throughout the building interior and exterior. The following painted components were determined to contain toxic levels of lead (greater than 1.0 milligram of lead per square centimeter of paint [mg/cm²]):

Table 2
Lead Painted Building Components

Building Component	Location	Reading (mg/cm²)	Defective?
Exterior Basement Window Trim	Exterior	7.7	Yes
Exterior Wood Siding	Exterior	5.1	Covered By Vinyl
Wood Door	Room 1	3.4	Yes
Wood Window Sash	Room 1	2.3	Yes
Sheetrock Ceiling	Room 3	2.8	No
Wood Door	Room 2	4.9	Yes
Wood Door Jamb	Room 3	1.1	No
Wood Ceiling at Stair	Room 4 – Stairway	1.4	No
Wood Chair Rail	Room 4 – Stairway	2.2	Yes
Wood Door Casing	Room 5	2.3	No
Wood Wall – Stair	Room 6	3.3	Yes
Wood Ceiling Joist	Room 6	4.1	Yes
Wood Door	Room 6	5.3	Yes
Wood Door Trim	Room 6	5.0	Yes
Wood Door Jamb	Room 6	7.0	Yes
Wood Window Well	Room 15	2.0	Yes

The lead testing field data sheets are provided as *Appendix E* in this report.

3.3 Dust Wipe Samples

On May 2, 2014, EnviroScience lead inspector/risk assessor, Ulkens Auguste, collected dust wipe samples inside the residence located at 20 Atwater Street 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
050214UA-29	Room 1, Window Sill	56 $\mu\text{g}/\text{ft}^2$
050214UA-30	Room 1, Floor	<10 $\mu\text{g}/\text{ft}^2$
050214UA-31	Room 2, Window Sill	<40 $\mu\text{g}/\text{ft}^2$
050214UA-32	Room 2, Floor	15 $\mu\text{g}/\text{ft}^2$
050214UA-33	Room 5, Floor	11 $\mu\text{g}/\text{ft}^2$
050214UA-34	Room 5, Window Sill	<10 $\mu\text{g}/\text{ft}^2$
050214UA-35	Room 15, Floor	12 $\mu\text{g}/\text{ft}^2$
050214UA-36	Top Landing Basement, Floor	19 $\mu\text{g}/\text{ft}^2$
050214UA-37	Field Blank	<10 $\mu\text{g}/\text{ft}^2$
050214UA-38	Field Blank	<10 $\mu\text{g}/\text{ft}^2$

Dust wipe samples were collected from window sill and floor locations as delineated on our sample log. The dust wipe sampling was conducted in accordance with the protocol outlined in the document “Lead Testing Procedures and Equipment” (*Appendix D*). Sample results were compared to Connecticut standards for dust as follows:

- 40 $\mu\text{g}/\text{ft}^2$ - for floors
- 250 $\mu\text{g}/\text{ft}^2$ - window sills

Dust wipe sample results were acceptable and below the State of Connecticut standards; a lead dust hazard does not exist.

The analytical dust wipe sample results and their locations are provided as *Appendix F* in this report.

3.4 Drinking Water Samples

On May 2, 2014, drinking water samples (first draw and flush) were collected from the kitchen faucet. Both sample results were none detected.

The water sample results were below the federal lead in drinking water standard of 15 parts per billion; a lead in drinking water hazard does not exist in this Site.

The analytical sample results and their locations are provided as *Appendix G* in this report.

3.5 Conclusions

The following building components were determined to contain toxic levels of lead in paint:

- Exterior basement wood window trim;
- Exterior wood siding;
- Wood door, Room 1;
- Wood window sash, Room 1;
- Sheetrock ceiling, Room 3;
- Wood door, Room 2;
- Wood door jamb, Room 3;
- Wood ceiling, Room 4;
- Wood chair rail, Room 4;
- Wood door casing, Room 5;
- Wood wall, Room 6;
- Wood ceiling joist, Room 6;
- Wood door components, Room 6; and
- Wood window well, Room 15.

If these building components are to be demolished during renovations, a representative sample of the anticipated waste stream must be collected and analyzed using the EPA Toxicity Characteristic Leaching Procedure (TCLP) to determine disposal requirements.

Dust wipe sample results were below the State of Connecticut standards; a lead dust hazard does not exist at the Site structure.

Bare soil areas were not identified on the property, therefore lead in soil was not assessed as part of the scope of work for this inspection.

The drinking water sample results were below the federal drinking water standard. A lead in drinking water hazard does not exist at this location.

Interior defective lead-based paint identified (wood door and wood window sash – room 1, wood door – room 2, wood chair rail – room 4, wood wall-stair, wood ceiling joist, and wood door components – room 6, and wood window well – room 15) needs to be abated. Exterior defective lead-based paint can be addressed with interim controls.

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

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.

Those surfaces which contain lead paint are subject to RRP work practice and training requirements if more than de-minimus amounts are disturbed in renovation or for projects involving window replacement. If a specific component or surface is not identified as having been tested it should be presumed to contain lead paint unless tested. Contractors should be aware that the threshold limit of 1.0 mg/cm² for purposes of RRP requirements is not recognized by OSHA; workers' exposures are still subject to the Lead in Construction regulation, regardless of paint testing results.

4 Mold Visual Assessment

On May 2, 2014, EnviroScience representative Mr. Eduardo Miguel Marques performed a visual assessment for the presence of suspect mold and water intrusion.

4.1 Observations

Evidence of water damage was identified on the following building materials/locations:

- Approximately 10 square feet (SF) of sheetrock ceiling – kitchen (Room 3);
- Approximately 3 SF of sheetrock ceiling – master bedroom (Room 11); and
- Basement bathroom (Room 5) was noted to be moist/damp.

4.2 Recommendations

Potential exposure to mold during renovation should be considered and appropriate work protection, possible use of engineering controls and surface treatment of mold on building materials to remain should be considered.

Building materials to remain in areas of visible suspect mold growth should be thoroughly cleaned and a mold inhibitor should be applied to them, if possible. Remediation of visible suspect mold growth and removal of water damaged building materials should be performed under negative pressure enclosures/conditions, using properly trained and protected workers. Removal should comply with guidance according to EPA and the Institute of Inspection, Cleaning and Restoration Certification (IICRC).

5 Airborne Radon Gas Information, Sampling and Procedure

5.1 Radon 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 gas travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually, the gas itself decays into radioactive particles (decay products) that can become trapped in the lungs during human respiration.

As these particles in turn decay they release small bursts of radiation that can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

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

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

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

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

5.2 Airborne Radon Sampling Methodology

From May 2, 2014 to May 5, 2014, EnviroScience representative Mr. Eduardo Miguel Marques deployed passive radon detection canisters in the residence and then retrieved the same canisters 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. Canisters should also not be exposed to direct sunlight, be covered up, or otherwise disturbed during the testing period. A closed building condition is also utilized for 12-hours prior to testing being conducted.

Sample analysis was performed by RTCA; analytical results are included in *Appendix H*.

5.3 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 that are deployed with, and shipped with the exposed canisters, so that the processing laboratory treats them without bias. The number of blanks is at least five percent of the number of canisters deployed, up to a maximum of 25 canisters.

5.4 Airborne Radon Analytical Results

Four canisters, including one duplicate and one blank, were placed inside the Site structure during the sampling period that occurred between May 2, 2014 and May 5, 2014. The concentrations of radon gas in the sample and associated duplicate sample were 0.2 pCi/L. The EPA threshold for radon is 4.0 pCi/L.

In *Table 4* below, the location and result of the quality control duplicate test are listed.

Table 4
Duplicate Sample Result

Location	Canister Numbers	Radon Concentration (pCi/Liter)			Relative Percent Difference (RPD, %)
		Sample	Sample Duplicate	Sample Average	
Living room	2314008 2314042	0.2	0.2	0.2	Percent Difference Not Needed (No Concentrations Above 4.0 pCi/Liter)

Note Duplicate testing result was satisfactory.

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

Table 5
Blank Sample Result

Location	Canister Numbers	Radon Concentration (pCi/Liter)
Basement	2314052	0.1

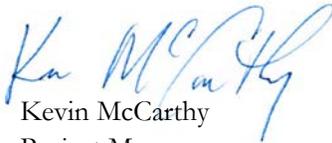
Note Blank testing result was satisfactory.

5.5 Conclusions

During the course of the airborne radon measurement assessment, four sampling canisters, including one duplicate and one blank, were placed in the residence. The samples were below EPA recommended action guideline of 4.0 pCi/L.

Report prepared by Environmental Analyst Eduardo Miguel Marques.

Reviewed by:



Kevin McCarthy
Project Manager



Timothy M. Downey
President

Appendix A

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



0001769 FP **PRSRT T7 0 1264 06040

ULKENS AUGUSTE
148 HARTFORD RD
C/O FUSS & O'NEIL ENVIRO SCIENCE
MANCHESTER CT 06040-5992

Dear Licensed/Certified Professional,
Attached you will find your validated license/certification for the coming year. Should you have any questions about your license/certificate renewal, please do not hesitate to write or call:

Department of Public Health (860) 509-7603
P.O. Box 340008
M.S.#12MGA <http://www.dph.state.ct.us>
Hartford, CT 06104-0308

Sincerely,

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

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DEPARTMENT OF PUBLIC HEALTH

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BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSPECTOR

NAME: ULKENS AUGUSTE

LICENSE NO: 000770
CURRENT THROUGH: 09/30/14
VALIDATOR NO: 03-637410

SIGNATURE
 COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME: ULKENS AUGUSTE

VALIDATION NO: 03-637410
LICENSE NO: 000770
CURRENT THROUGH: 09/30/14
PROFESSION: ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE
 COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME: ULKENS AUGUSTE

VALIDATION NO: 03-637410
LICENSE NO: 000770
CURRENT THROUGH: 09/30/14
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

January 6, 2014

Date of Course

January 6, 2014

Examination Date



Robert L. May, Jr., Training Manager

AI-R-01/14-4

Certificate Number

January 6, 2015

Expiration Date

0001768 FP **PRSRT T7 0 1264 06040

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M.S. #12MQA http://www.dph.state.ct.us
Hartford, CT 06134-0368

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DEPARTMENT OF PUBLIC HEALTH

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BY THIS DEPARTMENT AS A

LEAD INSPECTOR RISK ASSESSOR

ULKENS AUGUSTE

Signature of Auguste
SIGNATURE

Signature of Mullen
COMMISSIONER

CERTIFICATION NO.
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09/30/14
VALIDATION NO.
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LEAD INSPECTOR RISK ASSESSOR

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LEAD INSPECTOR RISK ASSESSOR

Signature of Auguste
SIGNATURE

Signature of Mullen
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

0001729 FP **PRSRT T7 0 0664 06040

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

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THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT-INSP/MGMT PLANNER

EDUARDO M. MARQUES

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

[Signature]
SIGNATURE

[Signature]
COMMISSIONER

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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,
[Signature]
JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

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

PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

[Signature]
SIGNATURE

[Signature]
COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

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

PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

[Signature]
SIGNATURE

[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 FSCA Title II

40 CFR Part 763

John Kowinski

John Kowinski, Principal Instructor

Robert L. May, Jr.

Robert L. May, Jr., Training Manager

September 4, 2013

Date of Course

AI-R-09/13-9

Certificate Number

September 4, 2013, A

Examination Date & Grade

September 4, 2014

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, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

INSTRUCTIONS:

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

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

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

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

LEAD INSPECTOR

EDUARDO M. MARQUES

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

SIGNATURE

COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

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

PROFESSION
LEAD INSPECTOR

SIGNATURE

COMMISSIONER

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
EDUARDO M. MARQUES

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

PROFESSION
LEAD INSPECTOR

SIGNATURE

COMMISSIONER

Fuss & O'Neill EnviroScience, LLC

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

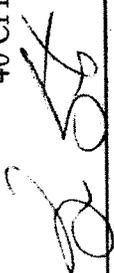
This is to certify that

Eduardo Miguel Marques

XXX-XX-8045

has successfully completed the
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

February 20 & 24, 2014

Date of Course

February 24, 2014

Examination Date



Robert L. May, Jr., Training Manager

LI-R-02/14-1

Certificate Number

February 24, 2015

Expiration Date

Appendix B

Lothrop Associates LLP Initial Property Inspection Report



100 Pearl Street
 14th Floor
 Hartford, Connecticut 06103
 860-249-7251
 www.lothropassociates.com

Lothrop associates^{LLP}

architects

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

Application No. 1245
 Residence of Sammy Sosa
 20 Atwater Street
 East Haven CT

LA project No. 1524-04

Initial Property Inspection Report

Property Inspected 25 Feb 2014
 Report Date 5 March 2014
 Rev. NA



Present at inspection:
 Sammy Sosa, Homeowner
 Arthur J. Seckler, III, Senior Associate, Lothrop Associates LLP
 Thomas Streicher, AIA, Lothrop Associates LLP
 Maurizio Huaylla, Lothrop Associates LLP

Damage compliant by owner	Inspection observation <i>Recommendation</i>	Rehabilitation Cost projection	Mitigation cost projection
	<p><i>The property is in an AE Flood Zone 12' above datum zero:</i> If the dwelling is remediated and raised above the flood zone a new post and beam structure with new footings will be designed and constructed. The existing foundation walls and footings shall be removed with this new construction included in the cost of this item estimate. Modification of existing and/or construction of new exterior stairs to accommodate the new elevation are included in this item cost.</p>		\$100,000
<p>Basement hatch entry: Owner states storm surge moved and misaligned the basement access hatch doors</p>	<p>Observing the owner operate the door it seemed to open and close properly. The door appears slightly misaligned but is installed in an old stone and concrete wall. See figure 1</p> <p><i>Recommendation: Adjust alignment.</i></p> <p><i>If the dwelling is to be raised above the flood zone: This door will be removed with the foundation wall</i></p>	\$100	NA

<p>Boiler: Owner states the boiler was submerged in storm surge water. Owner states the boiler was rebuilt but is still not working correctly. Specific deficiencies where not elaborated.</p>	<p>The boiler appeared clean and well maintained. operation was not demonstrated. See figure 2</p> <p><i>Recommendation: Service, clean and recalibrate the boiler. Replace any damaged or defective parts.</i> If the dwelling is to be raised above the flood zone: relocate boiler into house first floor, location to be determined.</p>	<p>\$500</p>	<p>\$2,500</p>
<p>Toilet: Owner states electric pump up toilet was submerged in storm surge water and is not working.</p>	<p>Owner demonstrated when power is applied the unit makes a buzzing sound and the motor does not run.</p> <p><i>Recommendation: Replace the ejector pump and motor. Check the electric supply circuit and repair as required.</i> If the dwelling is to be raised above the flood zone: this toilet room will be removed</p>	<p>\$2,000</p>	<p>NA</p>
<p>Electric service panel: Owner states the panel was submerged in storm surge water. The panel was replaced but the owner says some circuits are tripping the breaker repeatedly</p>	<p>A new 200 amp panel is in place and installed. The old panel is on site showing rust and water damage. See figures 3 and 4</p> <p><i>Recommendation: Replace any structured wiring that may have been exposed to salt water that has not already been replaced with the service panel</i></p>	<p>\$3,500</p>	<p>\$3,500</p>
<p>Electric heat: Owner states electric convection unit in basement toilet room was damaged by salt water</p>	<p>An eclectic convection unit is onsite and disconnected. See figure 5</p> <p><i>Recommendation: Replace with new hydronic convection unit connected to boiler with new zone valve and thermostat</i></p>	<p>\$600</p>	<p>NA</p>
<p>Floor insulation: Owner states the first floor insulation was destroyed and replaced</p>	<p>Insulation is present and appears in serviceable condition.</p> <p><i>Recommendation: Protect from damage during other operations</i></p>	<p>\$500</p>	<p>\$500</p>
<p>Air-conditioning ducts: Owner states duct work was under water during the storm. Owner states all flexible ductwork was replaced. Hard ductwork was cleaned.</p>	<p>Duct work is in place and appears in serviceable condition.</p> <p><i>Recommendation: Protect from damage during other operations</i></p>	<p>NA</p>	<p>NA</p>

<p>Column: Owner states a wood post was shifted during the storm surge and replaced with a temporary adjustable steel post. Owner states the beam supported by the column deflected when the support was compromised</p>	<p>An adjustable steel post is in place. See figure 6</p> <p>Recommendation: If building is repaired to pre storm condition with no mitigation, replace the column with a new steel column with welded top and bottom plate over a non shrink grout base. <i>If the dwelling is to be raised above the flood zone: this column will be replaced with structure indicated on the mitigation item above.</i></p>	<p>\$1,800</p>	<p>NA</p>
<p>Pool: Owner indicated a 24' above ground pool was washed away during the storm.</p>	<p>No pool present, pools are not covered by this program.</p> <p><i>No recommendation applicable</i></p>	<p>NA</p>	<p>NA</p>
<p>Air conditioning: Owner states AC condenser was damaged and repaired.</p>	<p>Operation was not demonstrated</p> <p><i>Recommendation: Protect from damage during other operations</i></p>	<p>NA</p>	<p>NA</p>
<p>Roof: Owner states the roof was repaired but still leaks.</p>	<p>The roof appears to be fairly new.</p> <p><i>Recommendation: Contact the roofing contractor that did the repairs and have him warranty his work.</i></p>	<p>NA</p>	<p>NA</p>
<p>Deck floor and deck rail: Owner states portions of the decking where damaged during the storm. owner states the decking was replaced.</p>	<p>The deck floor and deck in general appeared to be serviceable except for a loose area of prefabricated railing. The railing was continued across the area previously open to the pool that is no longer on the site.</p> <p><i>Recommendation: Secure the loose area of railing with proper hardware for the type of railing installed.</i></p>	<p>\$550</p>	<p>\$550</p>
<p>Stove: Owner states the kitchen stove was damaged and replaced.</p>	<p>A serviceable and working stove is installed. The stove looks significantly newer then the other kitchen appliances. See figure 7</p> <p><i>Recommendation: Protect from damage during other operations</i></p>	<p>NA</p>	<p>NA</p>
<p>Dish washer: Owner states the dishwasher was damaged and repaired but is still not working correctly</p>	<p>The dish washer is old. The defect was not demonstrated.</p> <p><i>Recommendation: Protect from damage during other operations</i></p>	<p>NA</p>	<p>NA</p>

Trash compactor: Owner states the trash compactor was damaged and is not working	The trash compactor is old. The defect was not demonstrated. <i>Recommendation: Protect from damage during other operations</i>	NA	NA
Electric fireplace: Owner states a built in artificial fireplace is not working correctly.	The owner demonstrated it is not producing heat. <i>Recommendation: It is not clear if this unit is required for primary heating of the space. As the building has a heating system it will be assumed to be an accessory luxury item. Protect from damage during other operations.</i>	NA	NA
Wall water damage: Owner states a portion of wall in a finished attic room has water damage.	A lower portion of the wall and adjacent floor has water damage. <i>Recommendation: After the source of the leak is repaired, remove the damaged portions of drywall, carpet, floor and subfloor as required. Inspect items in the wall cavity for damage and repair or replace as required. Replace Dry wall and floor components to match adjacent area.</i>	\$1,500	\$1,500
Siding: Owner states front gable end siding at attic level was blown off. Owner replaced with non color matching siding.	The siding on the attic gable end wall is a different color then the rest of the building. Comparing to a Google map street view, the siding in the area was replaced. <i>Recommendation: The installed solution, if installed correctly will be serviceable.</i>	NA	NA
Generator: Owner states the generator is not working correctly after exposure to storm surge.	This information was conveyed verbally only and not demonstrated. <i>Recommendation: Protect from damage during other operations</i>	NA	NA
Floor cupping: Owner states floor boards are cupping on the first floor.	This information was conveyed by phone after the initial inspection and was not directly observed. <i>Recommendation: Protect from damage during other operations</i>	NA	NA
Carpet noise: Owner states when walking on the carpet on the stairs it makes a "squishing" noise.	This information was conveyed by phone after the initial inspection and was not directly observed. <i>Recommendation: Protect from damage during other operations</i>	NA	NA
Cost projection total		\$11,050	\$108,550

Additional comments: it appears this project would be classified as a repair if done as a rehabilitation only. If done as a mitigation project it would classify as an alteration.

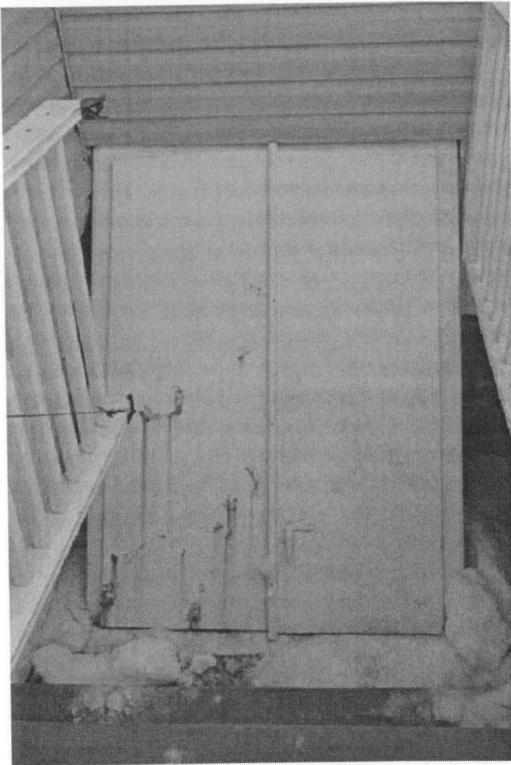


Figure 1

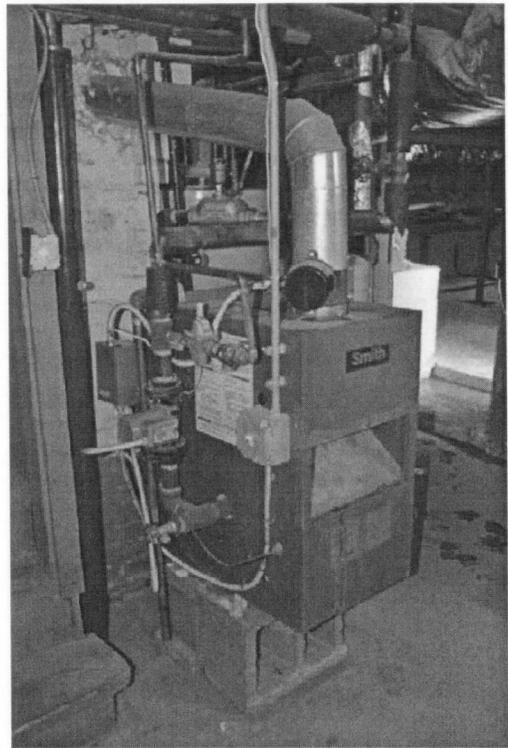


Figure 2

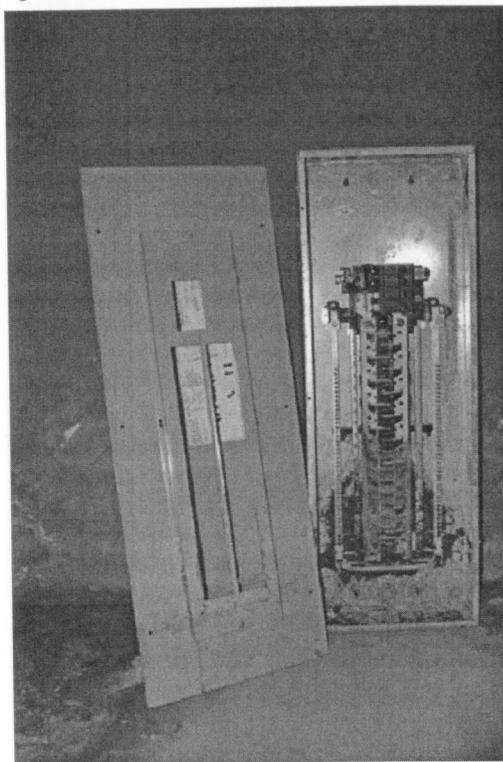


Figure 3

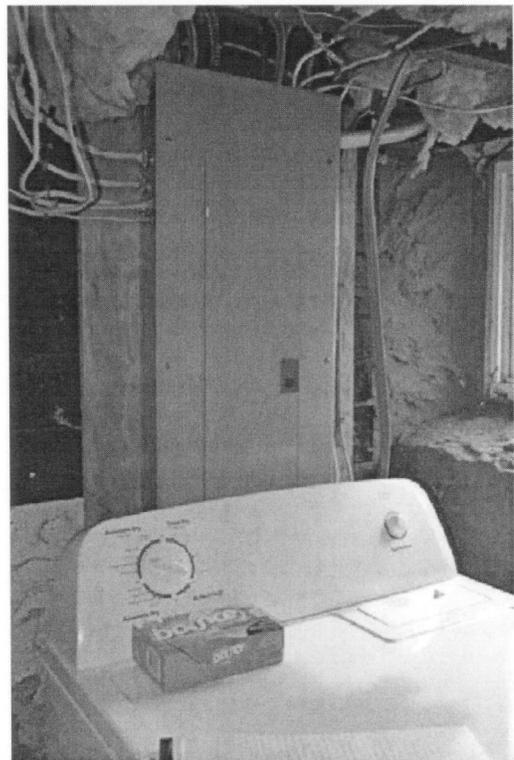


Figure 4

Application No. 1245
LA project No. 1524-04

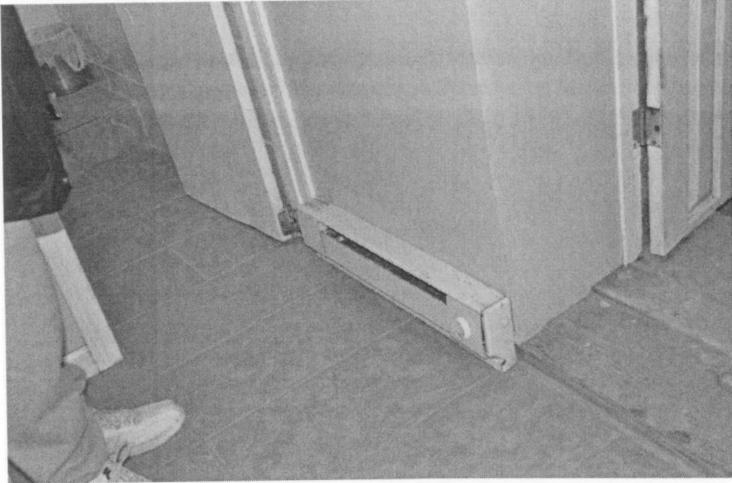


Figure 5

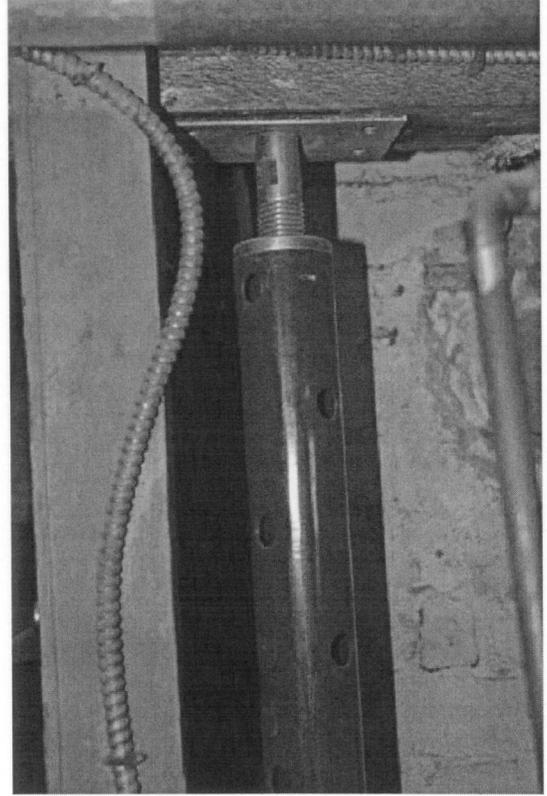


Figure 6



Figure 7

Appendix C

Asbestos Sample Results and Chain of Custody Forms





SAMPLE LOG FOR ASBESTOS BULKS

Sheet 1 of 1

Project Name: Lothrop Assoc

Project No. 201403 70 A9E

Building: 20 Atwater St. East Haven, CT

Project Manager: KM

Sample ID	Sample Location	Material	Result (%)
050214ENM-10A-B	Exterior foundation	ceмент coating	
11A-C	Interior foundation	textured coating	
12A-B	Bsmt. - furnace/flue	Flue cement	
13A-B	Bsmt. - furnace	Interior furnace pipe	
14A-B	Bsmt. - bath	ceramic wall grout	
15A-B	↓	ceramic wall glue	
16A-B		ceramic floor grout	
17A-B		ceramic floor mudset	
18A-C		Kitchen, kitchen, ^{bsmt.} bath	textured ceiling
19A-C	Bsmt. Bath	sheetrock/joint compd. (Composite)	
20A-C	↓	Joint compd.	
21A-B	Master Bedroom	wall paper adhesive	
22A-C	Master Bedroom wall, Master bed wall, bed wall	Sheetrock joint compd. (Composite)	
23A-C	acac wall ↓	Joint Compd.	

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.

RECEIVED
 ENVIRONMENTAL
 CINNAMEN, NJ
 2014 MAY - 3
 A 10:21

Samples collected by: [Signature] Date: 5-2-14 Time: pm

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

Samples Received by: [Signature] Date: 5-3-2014 Time: 10:00 AM

Shipped To: EMSL State [Signature] Other _____

Method of Shipment: Fed Ex Other _____
 Q:\EnviroScience\Admin\FORMS\Asbestos\Asbestos Bulks Chain of Custody_rev 0611.doc

34

**EMSL Analytical, Inc.**

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

EMSL Order: 041412127
 CustomerID: ENVI54
 CustomerPO: 20140370.A9E
 ProjectID:

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

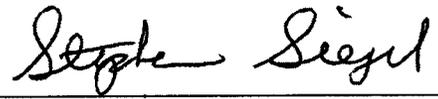
Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:00 AM
 Analysis Date: 5/5/2014
 Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-10A 041412127-0001	EXTERIOR FOUNDATION - CEMENT COATING	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-10B 041412127-0002	EXTERIOR FOUNDATION - CEMENT COATING	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-11A 041412127-0003	INTERIOR FOUNDATION - TEXTURED COATING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-11B 041412127-0004	INTERIOR FOUNDATION - TEXTURED COATING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-11C 041412127-0005	INTERIOR FOUNDATION - TEXTURED COATING	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-12A 041412127-0006	BASEMENT-FURNACE/ FLUE - FLUE CEMENT	Gray Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (other)	None Detected
050214EMM-12B 041412127-0007	BASEMENT-FURNACE/ FLUE - FLUE CEMENT	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Andrew Castellano (14)
 Patrick Carr (20)


 Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31

**EMSL Analytical, Inc.**

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

EMSL Order: 041412127
 CustomerID: ENVI54
 CustomerPO: 20140370.A9E
 ProjectID:

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

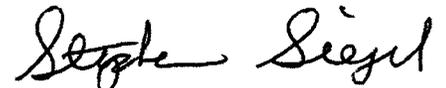
Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:00 AM
 Analysis Date: 5/5/2014
 Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-13A 041412127-0008	BASEMENT-FURNACE - INTERIOR FURNACE ROPE	Tan Fibrous Homogeneous	90% Glass	10% Non-fibrous (other)	None Detected
050214EMM-13B 041412127-0009	BASEMENT-FURNACE - INTERIOR FURNACE ROPE	Tan Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
050214EMM-14A 041412127-0010	BASEMENT-BATH - CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-14B 041412127-0011	BASEMENT-BATH - CERAMIC WALL GROUT	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-15A 041412127-0012	BASEMENT-BATH - CERAMIC WALL GLUE	Yellow Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
Result includes a small amount of inseparable attached material					
050214EMM-15B 041412127-0013	BASEMENT-BATH - CERAMIC WALL GLUE	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-16A 041412127-0014	BASEMENT-BATH - CERAMIC FLOOR GROUT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Andrew Castellano (14)
 Patrick Carr (20)


 Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31

**EMSL Analytical, Inc.**

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

EMSL Order: 041412127
 CustomerID: ENVI54
 CustomerPO: 20140370.A9E
 ProjectID:

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

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:00 AM
 Analysis Date: 5/5/2014
 Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-16B 041412127-0015	BASEMENT-BATH - CERAMIC FLOOR GROUT	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-17A 041412127-0016	BASEMENT-BATH - CERAMIC FLOOR MUDSET	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-17B 041412127-0017	BASEMENT-BATH - CERAMIC FLOOR MUDSET	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-18A 041412127-0018	KITCHEN, KITCHEN, BASEMENT BATH - TEXTURED CEILING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-18B 041412127-0019	KITCHEN, KITCHEN, BASEMENT BATH - TEXTURED CEILING	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-18C 041412127-0020	KITCHEN, KITCHEN, BASEMENT BATH - TEXTURED CEILING	White Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

Analyst(s)

Andrew Castellano (14)
 Patrick Carr (20)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31

**EMSL Analytical, Inc.**

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

EMSL Order: 041412127
 CustomerID: ENVI54
 CustomerPO: 20140370.A9E
 ProjectID:

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

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:00 AM
 Analysis Date: 5/5/2014
 Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-19A 041412127-0021	BASEMENT BATH - SHEETROCK/ JOINT COMPOUND	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
050214EMM-19B 041412127-0022	BASEMENT BATH - SHEETROCK/ JOINT COMPOUND	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
050214EMM-19C 041412127-0023	BASEMENT BATH - SHEETROCK/ JOINT COMPOUND	White Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
050214EMM-20A 041412127-0024	BASEMENT BATH - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-20B 041412127-0025	BASEMENT BATH - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-20C 041412127-0026	BASEMENT BATH - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-21A 041412127-0027	MASTER BEDROOM - WALL PAPER ADHESIVE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Andrew Castellano (14)
 Patrick Carr (20)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31

**EMSL Analytical, Inc.**

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EMSL Order: 041412127
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Attn: **Kevin McCarthy**
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146 Hartford Road
Manchester, CT 06040

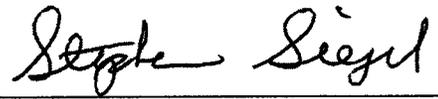
Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:00 AM
 Analysis Date: 5/5/2014
 Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-21B 041412127-0028	MASTER BEDROOM - WALL PAPER ADHESIVE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-22A 041412127-0029	MASTER BEDROOM WALL-INTERIOR CEILING, ATTIC WALL - SHEETROCK JOINT COMPOUND	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
050214EMM-22B 041412127-0030	MASTER BEDROOM WALL-INTERIOR CEILING, ATTIC WALL - SHEETROCK JOINT COMPOUND	White Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
050214EMM-22C 041412127-0031	MASTER BEDROOM WALL-INTERIOR CEILING, ATTIC WALL - SHEETROCK JOINT COMPOUND	White Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected

Analyst(s)
 Andrew Castellano (14)
 Patrick Carr (20)


 Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31



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CustomerID: ENVI54
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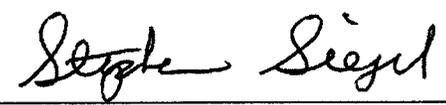
Phone: (860) 646-2469
Fax: (888) 838-1160
Received: 05/03/14 10:00 AM
Analysis Date: 5/5/2014
Collected:

Project: **LOTHROP ASSOC/ 20 ATWATER STREET, EAST HAVEN, CT/ 20140370.A9E**

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
050214EMM-23A 041412127-0032	MASTER BEDROOM WALL- INTERIOR CEILING, ATTIC WALL - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-23B 041412127-0033	MASTER BEDROOM WALL- INTERIOR CEILING, ATTIC WALL - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
050214EMM-23C 041412127-0034	MASTER BEDROOM WALL- INTERIOR CEILING, ATTIC WALL - JOINT COMPOUND	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
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Patrick Carr (20)


Stephen Siegel, CIH, Laboratory Manager
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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 05/05/2014 09:58:31

Appendix D

Lead Paint Testing Procedures and Equipment



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

Testing Procedures and Equipment

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

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

Lead-based paint surfaces and components were identified by utilizing on-site x-ray fluorescence (XRF) instruments. Fuss & O'Neill EnviroScience, LLC 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.

Appendix E

Lead Testing Field Data Sheets





LEAD INSPECTION COVER SHEET

Inspector's Information

Inspector's Name: EdUARdo Miguel Marquez License Number: 002132
 XRF Model: RMD Serial Number: 1157
 Date of Inspection: 5-2-14 Project Number: 20140370.A9E

Property Information

Building Address: 20 Atwater St. (Street)
East Haven, CT (City) (State) Age of Property: _____
 Describe Structure: _____

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

Multiple Family Dwelling

Single Family Dwelling

Is there an EBL child present?
 Yes No Unknown

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

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

XRF Calibration Check

- Calibration Paint Film Used: NIST 1.02 mg/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 10:30 am	0.9	0.9	0.8	0.86
Second Check 2:20 pm	1.0	1.0	1.0	1.0
Third Check				
Fourth Check				



Project Name: Lothrop Assoc.

Project Number: 20140320.A9E

Address: 20 Atwater St. East Haven, CT

Project Manager: KM

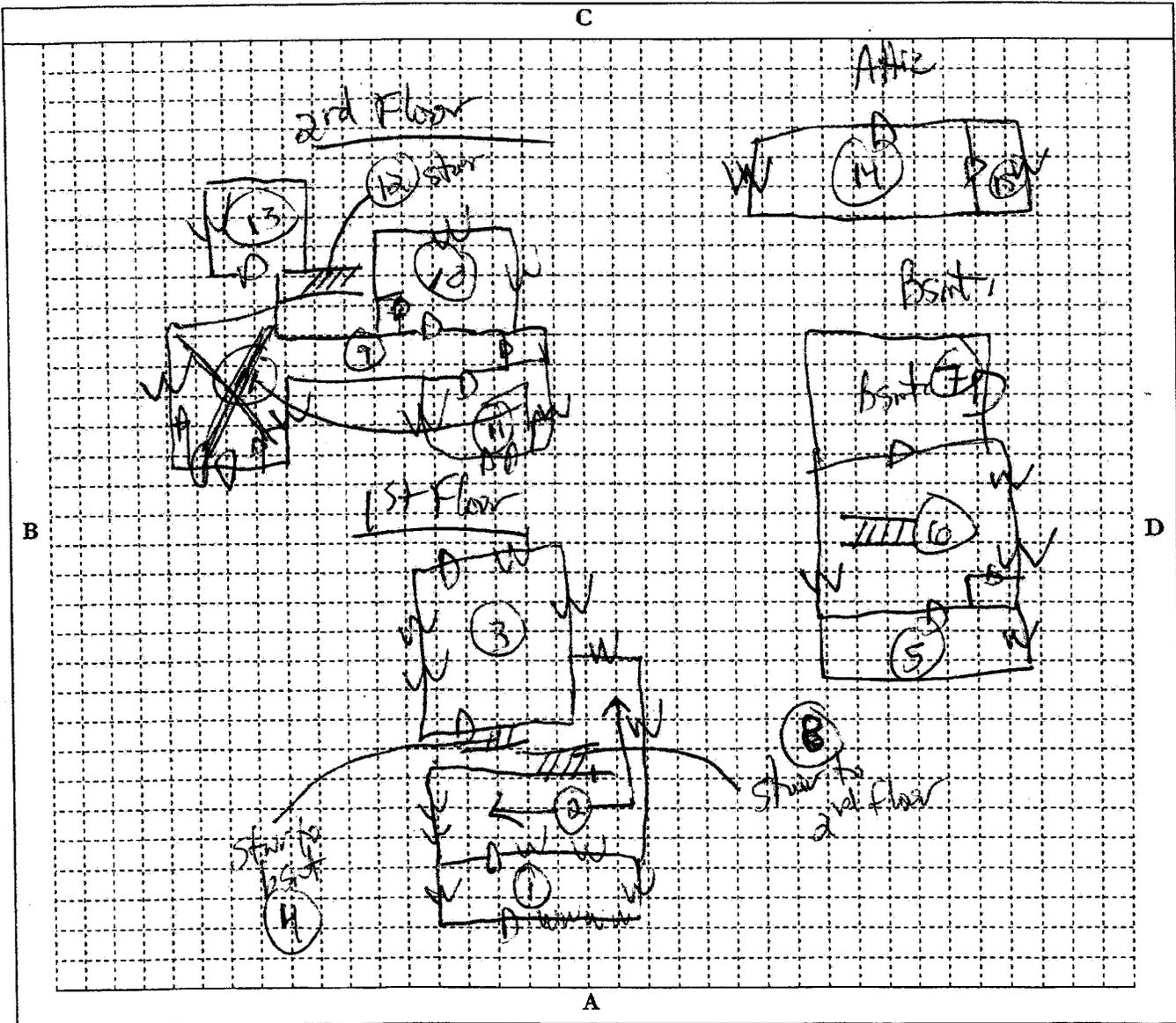
Floor: _____ Room: _____

Apt. #/Bldg #: _____

Page 1 of 1

Number of Doors: _____ No. of Windows: _____

Diagram of: Floor plan



Room Number



Door



Window

Page _____ of _____



XRF FIELD DATA SHEET

Address: 20 Atwater St. East Haven, CT

Apt. #: 8

Floor: _____ Room: _____

Page 1 of 8

Project Name: Lothrop Assoc.

Project Number: 20140370. ATE

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					Extend ✓ ↓ Room 1
A	door trim	-0.0		M					
A	door storm	-0.2		M					
A	door jamb	-0.0		W					
A	door	-0.1		W					
A	door threshold	0.5		W					
A	step/landing	-0.1		W					
A	w. trim	-0.0		M					
A	w. sash	0.0		M					
A	w. sill	-0.1		M					
B	siding	-0.0		Vinyl					
B	w. sill	-0.1		M					
B	w. trim	0.2		M					
B	w. sash	-0.3		M					
B	storage unit	-0.1		W					
B	brkt. w. trim	0.4		W					
B	gutter	0.1		M					
	corner board	-0.2		Vinyl					
B	lath	-0.2		Vinyl					
C	deck floor	-0.1		W					
D	foundation	0.1		C					
D	brkt. w. trim	7.7	✓	W	Yes				
D	siding	-0.2	✓	Vinyl					
D	wood	5.1	✓	Wood	Covered w/ vinyl				
D	w. trim	0.1		M					
D	w. sill	-0.1		M					
D	w. sash	-0.1		M					
A	wood	-0.1		W					
B	↓	0.1		W					
C	↓	-0.1		W					
B	↓	-0.1		W					

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

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

Notes: _____



XRF FIELD DATA SHEET

Address: 20 Atwater St, East Haven, CT

Apt. #: 8

Floor: _____ Room: Room 4

Page 2 of 8

Project Name: Lotwrap Assoc.

Project Number: 20140370.A9E

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

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	Window Sill	0.0		W					Rm. 1
	↓ Window	0.2		d					
✓	Swch	0.2		VR					Room 2
g	Ceiling	0.1		W					
	Trim (base)	0.4		W					
A	Door	3.4	✓	W	Ys	✓	✓	✓	
	Door Trim	0.0		W					
	Door Jam	0.1		d					
↓	Flork	0.1		VR					
A	Radiator	0.0		M					
A	Handrail	0.0		W					
	Coving/Trim	0.2		W					
C	Window Sill	0.2		W					↓
↓	Window Swch	0.0		W					
↓	Window Swch	2.3	✓	W	Ys	✓	✓	✓	
A	Wall	-0.1		S					
B	Wall	-0.2							
C	Wall	-0.3							
D	Wall	0.0		↓					
	Ceiling	2.8	✓	S	NO				
B	Window Sill	0.0		W					
B	Trim	0.1		VR					
A	Cover molding	0.3		W					
A	Door trim	0.1		W					
	↓ Jam	0.0		↓					
	↓ Door	4.9	✓	d	Ys	Ys	Ys	Ys	
	Ceiling Joint	-0.1		W					
D	Radiator	0.3		M					
C	Wood Work	0.1		W					
C	Chair rail	0.1		W					

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

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

Notes:



XRF FIELD DATA SHEET

Address: 20 Atwater St. East Haven, CT

Apt. #: _____

Floor: _____ Room: _____

Page 3 of 8

Project Name: Lothrop Assoc

Project Number: 20170370.AJE

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

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	Wall	0.2		S					Room 3
B	↓	0.2		↓					
C	↓	0.1		↓					
D	↓	0.0		↓					
	Ceiling	0.2		S					
C	Panicles	0.2		M					
	Floor	0.2		W					
C	Crown molding	0.2		W					
C	W. Trim	0.1		W					
	W. Sill	0.0		↓					
	W. Sash			VR					
C	Door	0.2		W					Room 3 closet
	Trim	0.0		↓					
	Join	1.1	✓	↓	ND				
	Shelf support	0.1		W					
	Shelf	0.2		↓					
	Ceiling	0.1		↓					
B	Wall	0.1		S					
D	Door trim	0.1		M					
	Ceiling joint	0.3		W					
A	Wall	0.7		A					
B	↓	0.2		↓					Room 3 Stain - Room 4
C	↓	0.7		↓					
	↓			↓					
	Ceiling stain	1.4	✓	W	ND				
	Stain bleed	0.0		W					
	Stain wipe	1.5	✓	W	yes				
A	Grey lower	0.4		W					
C	Lower grey	0.2							
	A wall	2.2	✓		yes				
C	Door	0.2		W					

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

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

Notes:



XRF FIELD DATA SHEET

Address: 20 Atwater St., East Haven, CT

Apt. #: _____
Page 4 of 8

Floor: _____ Room: _____

Project Name: Lothrop Assoc.

Project Number: 20140370.A9E

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

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
G	Door casing	0.2		W					Room 4 ↓ Stain ↓ Room 5 ↓ Room 6
d	Door Jam	0.0		↓					
C	Railing	0.1		↓					
A	Wall	0.11		S					
H	↓	0.11		↓					
C	↓	0.3		↓					
D	↓	0.2		↓					
	Ceiling	0.1		S					
D	Window - rim			N/C					
	Sash			↓					
C	Door	0.13		W					
↓	Casing	2.3	✓	↓					
d	Jam	5.5		↓					
A	baseboard	0.11		W					
C	Radiator	0.1		M					
D	Seating bench	0.1		W					
D	Uncoated	0.0		W					
A	Wall	0.4		C					
B	↓	0.6		↓					
C	↓ / Stair	3.3	✓	W	✓				
D	↓	0.1		↓					
C	Wall	0.6		C					
	Column	29.9		M					
	Ceiling Joint	4.1	✓	W	✓				
B	Window rim	0.1		W					
	W Sash	N/C		VR					
A	baseboard	0.11		W					
C	Door	5.13	✓	W	✓				
↓	↓ - rim	5.0	✓		✓				
↓	↓ Jam	7.0	✓		✓				
	Sever pipe	0.5		M					

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Notes:



XRF FIELD DATA SHEET

Address: 20 Atwater St., East Haven, CT

Apt. #: _____
Page 5 of 8

Floor: _____ Room: _____
Project Name: Lothrop Assoc.

Project Number: 20140370. A9E

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

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	Wool	0.15		C					Room 7
B	↓	0.10		↓					
C	↓	0.10		↓					
D	↓	0.10		↓					
	Floor	0.11		C					
	Ceiling	0.11		W					
D	Metal door	0.12		M					
D	Window	0.11		M					
	Stair stringer	0.14		W				Room 8/3 level	
	Stair shelf	0.10		↓					
A	Wool	0.10		B					
B	↓	0.13		↓					
D	↓	0.12		↓					
C	Painting	0.14		S					
A	Crown molding	0.11		M					
	Ceiling	0.10		S					
C	Painted trim	0.10		W					
↓	Cabinet door	0.10		W					
↓	Cabinet shelf	0.10		W					
↓	Cabinet trim	0.10		W					
A	ledge	-0.12		W					
C	baseboard	-0.12		W					
↓	Newspaper	0.10		↓					
A	Wool	-0.12		S				Room 9 / Hall	
B	↓	-0.11		↓					
C	↓	-0.11		↓					
D	↓	-0.10		↓					
	Ceiling	0.11		S					
	Ceiling Joint	-0.12		W					
	resistor coil	0.11		W					
B	radiators	0.10		M					

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



XRF FIELD DATA SHEET

Address: 20 Atwater St., East Haven, CT Apt. #: 8
 Floor: _____ Room: _____ Page 6 of 8
 Project Name: Lothrop Assoc. Project Number: 20170370 A16
 Project Manager: KM (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
A	Window	-0.0		W					Room 9
	Sill	0.0							
	Jamb	-0.1							
	Seal	-0.1							
	Door	-0.0		W					
C	Trim	-0.3		W					
	Jamb	-0.1		W					
D	Exterior window	-0.1		W					
D	Closet wall	0.0							
E	Closet ceiling	0.2		W					
A	wall	-0.1		S					Room 10
B		0.0							
C		0.2							
D		0.0							
	Ceiling	0.0							
D	Window	0.2		W					
	W. side	0.0		W					
	Sash	-		VR					
D	Radiator	0.1		M					
A	Door	-0.2		W					
	Jamb	0.0							
	Jamb	0.0							
D	Closet wall	0.1		W					
	Closet door	-0.0		W					
	Ceiling	-0.1							
	Jamb	-0.1		W					
C	Baseboard	0.3		W					Room 11
A	wall	-0.1		S					
B		-0.3							
C		-0.1							

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



XRF FIELD DATA SHEET

Address: 20 Atwater St. East Haven, CT Apt. #: 8
 Floor: _____ Room: _____ Page 7 of 8
 Project Name: Lotthrop Assoc. Project Number: 20140320.A9E
 Project Manager: KMI (If Positive - Check All That Apply)

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
D	wall	-0.1		S					Room 11
D	Ceiling	-0.0		S					
	w. trim	0.1							
	w. sill	-0.0							
	soak	-		VR/M					
D	Radiator	-0.1		M					
C	door	-0.1		W					
D	ceiling	-0.2		D					
	↓ Jan	0.1		↓					
C	baseboard	0.2		W					
B	closet-wall	0.2		S					
r	ceiling	-0.1		S					
A	closet door	-0.0		W					
D	↓ Jan	0.0		W					
A	closet-shelf	-0.1		W					
B	closet wall	-0.0		S					
	closet ceiling	0.0		S					
D	door	0.0		W					
	w. trim	0.0							
D	door	-0.0		↓					
	door threshold	-0.1		W					
A	wall	-0.1		S					
B		0.0		↓					
C		-0.1		↓					
D		0.0		↓					
	ceiling	0.1		S					
A	wall	-0.2		S					
B		-0.1		↓					
C		-0.1		↓					
	ceiling	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: _____



XRF FIELD DATA SHEET

Address: 20 Atwater St. East Haven, CT

Apt. #: 8 of 8

Floor: _____ Room: _____

Project Number: 20140370. ATE

Project Name: Lothrop Assoc.

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

Side	Surface	XRF Readings	POS	Substrate	Defective	Chewable	Friction	Impact	Comments
B	W. trim	0.1		W					Room 13
	↓ nail	0.1		↓					
	↓ sash	0.3		↓					
A	door	0.1		W					
	↓ casing	0.5		↓					
	↓ Jam	0.4		↓					
D	Cabinet door	0.0		W					
	Cabinet top	0.0		W					
	Cabinet support	0.0		W					
A	wall	0.3		S					
B	↓	0.0		W					Room 14
C	↓	0.0		S					
D	↓	0.1		W					
	Ceiling	0.1		S					
	Baseboard	0.0		W					
	Ceiling Jst	0.3		W					
A	Window trim	0.0		W					
B	Chair rail	0.0		W					
B	Door trim	0.0		W					
	↓ Jam	0.0		↓					
	door	0.0		W					
A	wall	-		N/C					Room 15
B	↓	-		↓					Room 15
C	↓	-		↓					
D	↓	-		↓					
D	Window trim	0.0		I					
	W. Sash	0.1		↓					
	W. Mtl	2.0	✓	W	✓				
A	door	0.1		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: _____

Appendix F

Lead in Dust Sample Results and Chain of Custody Form





SAMPLE LOG FOR LEAD WIPES

Sheet No. 1 of 1

Project Name: Lathrop Assoc.
Building: 20 Atwater St. East Haven, CT

Project Number: 20140370 - A9E
Project Manager: KM

	Sample ID Number	Sample Location/Building	Surface		Result (ug/ft)	Lab Number
			Component	Sq. Ft		
1-	0502144A -29	Room 1	C, W. Sill	36		
2-	-30	Room 1	Floor	144		
3-	-31	Room 2	C, W. Sill	36		
4-	-32	Room 2	Floor	144		
5-	-33	Room 5	Floor	144		
6-	-34	Room 5	W. Sill	144		
7-	-35	Room 15	Floor	144		
8-	-36	top landing Basement	Floor	144		
9-	-37	Blank	NA	-		
10-	-38	↓	NA	-		

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: 5/5/14
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: Ulken August Date: 5/5/14 Time: 1400
Samples Rec'd/Sent By: _____ Date: _____ Time: _____
Samples Received By: [Signature] Date: 5/3/14 Time: 10:05 am EMSL

Shipped To: EMSL (State) NJ Other _____
Method of Shipment: Fed Ex UPS Overnight UPS Ground Other _____

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077
 Phone/Fax: (856) 303-2500 / (856) 786-5974
<http://www.EMSL.com> cinnaminsonleadlab@emsl.com

EMSL Order: 201406598
 CustomerID: ENVI54
 CustomerPO: 20140370.A9E
 ProjectID:

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

Phone: (860) 646-2469
 Fax: (888) 838-1160
 Received: 05/03/14 10:05 AM
 Collected: 5/2/2014

Project: 20140370.A9E / Lothrop Assoc. / 20 Atwater Street 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
050214UA-29 Site: Room 1 C,W.Sill	0001	5/2/2014	5/5/2014	36 in ²	56 µg/ft ²
050214UA-30 Site: Room 1 Floor	0002	5/2/2014	5/5/2014	144 in ²	<10 µg/ft ²
050214UA-31 Site: Room 2 C,W.Sill	0003	5/2/2014	5/5/2014	36 in ²	<40 µg/ft ²
050214UA-32 Site: Room 2 Floor	0004	5/2/2014	5/5/2014	144 in ²	15 µg/ft ²
050214UA-33 Site: Romo 5 Floor	0005	5/2/2014	5/5/2014	144 in ²	11 µg/ft ²
050214UA-34 Site: Room 5 W.Sill	0006	5/2/2014	5/5/2014	144 in ²	<10 µg/ft ²
050214UA-35 Site: Room 15 Floor	0007	5/2/2014	5/5/2014	144 in ²	12 µg/ft ²
050214UA-36 Site: Top Landing Basement Floor	0008	5/2/2014	5/5/2014	144 in ²	19 µg/ft ²
050214UA-37 Site: Blank	0009	5/2/2014	5/5/2014	n/a	<10 µg/wipe
050214UA-38 Site: Blank	0010	5/2/2014	5/5/2014	n/a	<10 µg/wipe

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

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 ug/wipe. ug/wipe = ug/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 05/05/2014 11:03:11

Appendix G

Lead in Drinking Water Sample Results and Chain of Custody Form



Date Samples Received: 05/05/14

Client Name : Fuss & O'Neill EnviroScience	CTL Lab No. : 0514047
Report Date : 05/08/14	PO/ Job No. : 20140370.A9E

RESULTS OF ANALYSIS

EPA Method 200.9

Matrix Type :	W	W
CTL Sample No.:	5994	5995
Field ID :	1st Draw	Flush
	Kitchen Sink	Kitchen Sink
	050514	050514
	EMM-01	EMM-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

Appendix H

Airborne Radon Gas Assessment Results and Chain of Custody Form





*RTCA: These items must be included on our results pages
Radon Testing Summary Sheet

*Project Number: 20140370.A9E
*Client Name: Lotwop Assoc.
*Building: _____
*Site Address: 20 Atwater St.
East Haven, CT
Contact/Phone #: _____

Placed by: EMM
Retrieved by: EMM
Start Date: 5-2-14
Stop Date: 5-5-14
Weather at Placement: Sunny

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 2314008

Start Time: 12:27pm
Stop Time: 7:12am
Identifier: Living Rm

Start Time: _____
Stop Time: _____
Identifier: _____

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 2314042

Start Time: 12:27pm
Stop Time: 7:12am
Identifier: Living Rm. (Duff case)

Start Time: _____
Stop Time: _____
Identifier: _____

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 2314628

Start Time: 12:30 PM
Stop Time: 7:14 am
Identifier: Bsmr

Start Time: _____
Stop Time: _____
Identifier: _____

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 2314052

Start Time: 12:30 PM
Stop Time: 7:14 am
Identifier: Bsmr (Blank)

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Start Time: _____
Stop Time: _____
Identifier: _____

Site Radon Inspection Report

Date : 5/7/2014

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

Client: Lothrop Assoc
Test Location 20 Atwater Street
Project # 20140370.A9E
East Haven, CT 06512-

Individual Canister Results

Canister ID# : 2314008 Test Start : 05/02/2014 @ 12:27
Canister Type : Charcoal Canister 3 inch Test Stop : 05/05/2014 @ 07:12
Location : Living rm Received: 05/06/2014 @ 12:56
Radon Level : **0.2 pCi/L** Analyzed: 05/07/2014 @ 10:36
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 2314042 Test Start : 05/02/2014 @ 12:27
Canister Type : Charcoal Canister 3 inch Test Stop : 05/05/2014 @ 07:12
Location : Living rm - D Received: 05/06/2014 @ 12:56
Radon Level : **0.2 pCi/L** Analyzed: 05/07/2014 @ 10:35
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 2314052 Test Start : 05/02/2014 @ 12:30
Canister Type : Charcoal Canister 3 inch Test Stop : 05/05/2014 @ 07:14
Location : Basement (Blank) Received: 05/06/2014 @ 12:56
Radon Level : **0.1 pCi/L** Analyzed: 05/07/2014 @ 10:36
Error for Measurement is: \pm 0.5 pCi/L

Canister ID# : 2314628 Test Start : 05/02/2014 @ 12:30
Canister Type : Charcoal Canister 3 inch Test Stop : 05/05/2014 @ 07:14
Location : Basement Received: 05/06/2014 @ 12:56
Radon Level : **0.6 pCi/L** Analyzed: 05/07/2014 @ 10:35
Error for Measurement is: \pm 0.3 pCi/L



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

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

Site Radon Inspection Report

Date : 5/7/2014

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 free 1-800-458-1158.

PLEDGE OF ASSURED QUALITY

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

*Andreas C. George*

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

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