NEPA ENVIRONMENTAL REVIEW REPORT

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

Site ID No. 5096
253 Adams Street
Bridgeport, Connecticut

March 2016

Ref. No. 104318/38/R01

Prepared for:

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APPENDICES

1.0 - INTRODUCTION

Triton Environmental, Inc. (Triton) has prepared this National Environmental Policy Act (NEPA) evaluation for the property located at 253 Adams Street in Bridgeport, Connecticut (the site) on behalf of Merritt Construction Services, Inc. (Merritt). The location of the site is depicted on Figure 1. The NEPA review has been prepared as a required component of the Community Development Block Grant – Disaster Recovery (CDBG-DR) program for properties impacted by Superstorm Sandy. The CDBG-DR program, run by the U.S. Department of Housing and Urban Development (HUD), provides funding to address repairs to certain impacted Connecticut properties. In order to receive funding from HUD, an environmental review is required.

The project is considered "categorically excluded" from NEPA. However, the project is still subject to additional statutory requirements. As such, Triton has completed the Statutory Checklist for state and federal laws, regulations, and Executive Orders (other than NEPA) in accordance with 24 CFR 58.5 and 58.6. In addition, Triton has completed specific testing at the site, as described in detail in this report.

1.1 - Proposed Site Modifications and Work Zone

The two-story structure includes an unfinished basement and two residential apartments. The proposed work plan for the site includes replacing the roof components. As such, the work zone as described by Merritt consists of the exterior roofs.

2.0 - PRELIMINARY INSPECTION AND RESOURCE REVIEW

2.1 - Preliminary Site Inspection

Triton completed an initial inspection of the site, focused on the work zone described in Section 1.1. The inspection was completed on February 10, 2016 by Mr. Brian Sirowich of Triton.

During the inspection, the following items were noted within the work zone that required further evaluation:

- Suspect asbestos-containing materials;
- Potential lead-based paint;
- Potential radon;
- Potential polychlorinated biphenyls (PCBs); and
- Potential mold.

Photographs of the work zone area are included as Appendix B.

2.2 - Preliminary Checklist Review

Following the site inspection, a preliminary statutory checklist review was completed in order to determine which items in the checklist did not apply to the site, and which items required additional evaluation and/or on-site surveys. As a component of the checklist review, Triton reviewed readily available resource maps, as well as online environmental databases. Copies of the maps reviewed are provided in Appendix A.

Based on the site inspection and the review of applicable public resource materials, each of the items identified on the Statutory Checklist have been assigned a code of "Not Applicable to This Project," with the exception of the items identified below:

2.2.1 - Historic Properties (Item 1)

Consultation with the State Historic Preservation Officer (SHPO) is required. It is our understanding that a programmatic agreement between the Department of Housing (DOH), the SHPO, and the Advisory Council on Historical Preservation is under development.

2.2.2 - Flood Management/Coastal Zone Management Issues (Items 2, 4, 14A and 14E)

The site is located within a flood zone based on the FEMA Flood Insurance Rate map 09001C0441G dated July 8, 2013. The site is located with an area mapped as an AE zone, which is within the 100-year flood zone.

The site is located within the coastal zone boundary. As such, a Coastal Area Management (CAM) Site Plan Review Application is required to be submitted to the Bridgeport Zoning Commission (unless otherwise exempted). It is our understanding that the DEEP has approved a Flood Management Certificate (No. 201405290-FM) for all CDBG-DR projects. Work shall be conducted in accordance with the conditions of the Certificate.

2.2.3 - Lead-Based Paint (Item 13C)

Based on the site inspection and the age of the building, potential lead-based paint was observed within the work zone.

2.2.4 - Asbestos-Containing Materials (Item 13D)

Based on the site inspection and the age of the building, potential asbestos-containing materials were observed in the work zone.

2.2.5 - Radon (Item 13E)

Based on the Indoor Radon Potential Map of Connecticut published by the Environmental Protection Agency (EPA) (1997), the site is located in a moderate- to high-radon potential zone.

2.2.6 - Mold (Item 13F)

Based on the site inspection, visible mold was identified within the work zone.

2.3 - Additional Items (Not Included in Statutory Checklist)

Although not specifically listed on the Statutory Checklist, Triton identified the following additional potential issue associated with the project:

- Based on the site inspection, potential PCB-containing building materials were observed in the work zone.

3.0 - HAZARDOUS MATERIALS EVALUATIONS

Based on the preliminary inspection of the subject property, the following hazardous materials surveys were completed.

3.1 - Work Zone Lead Inspection and Lead Hazard Risk Assessment

An inspection of potential lead-based paint was completed within the work zone such that the work can be completed safely and in accordance with the EPA's Renovation, Remodeling, and Painting (RRP) Rule as well as Occupational Safety and Health Organization (OSHA) requirements. In addition, the structure was reportedly constructed prior to 1978 and, based on information provided by Merritt, the overall cost of the renovation work is anticipated to exceed $25,000.00. As such, Triton completed a lead hazard risk assessment of the property in accordance with the United States Department of Housing and Urban Development (HUD) Lead Safe Housing Rule (24 CFR 35). The inspection and lead hazard risk assessment were completed by a State of Connecticut certified lead inspector and risk assessor.

3.1.1 - XRF Lead Testing in Work Zone

As indicated in Section 1.1, the work zone as described by Merritt is considered to be the roofs of the structure. Triton conducted testing of the work zone using X-Ray Fluorescence (XRF). The survey was completed by a Connecticut certified lead inspector. The survey was completed using a Niton XL-300A XRF instrument. XRF readings were taken at a total of nine locations of nine distinct building materials in the work zone. Appendix C contains a spreadsheet summarizing the results. The results of the XRF testing indicate that several of the interior attic painted building materials tested contained lead concentrations greater than the action level of 1 mg/cm^2 (0.5% by weight). The materials containing lead-based paint above the action level are summarized in the table below. The approximate locations of these materials are shown on the Figure 2 diagram. Triton was unable to collect XRF readings on the exterior wood soffits and other wooden components on the exterior of the main roof.

Summary of XRF Testing Results Within the Work Zone

Material	Location	Side	Color	Approx. Quantity	Concentration (mg/cm^2)
Colum (represents roof soffits)	Second floor porch	A	Green	200 SF	2.3
Roof joist	Attic		Red	20 SF	10.2

3.1.2 - Lead Hazard Risk Assessment

The structure was reportedly constructed prior to 1978, and according to Merritt, the overall cost of the renovation work is anticipated to exceed $25,000.00. As such, Triton completed a lead hazard risk assessment of the property in accordance with the HUD Lead Safe Housing Rule (24 CFR 35). The risk assessment was completed by a State of Connecticut certified risk assessor.

3.1.2.1 - Site Information and Visual Assessment

The subject structure is a two-family residential house reportedly constructed in 1892. The site is owned by Collin Vice. There is currently one full-time occupant of the house in the lower unit (253 Adams Street) and the upper unit (255 Adams Street) is currently unoccupied. One child under the age of six resides there on a part-time basis. For additional information, please refer to Form 5.0 (Resident Questionnaire) included in Appendix C.

As an initial step, the Triton risk assessor completed a visual inspection of the dwelling, as summarized below. Observations regarding the general condition of the building can often offer insight into where future lead-based paint hazards may occur and whether certain hazard control options are likely to be successful. Information regarding the overall condition of the building is found in Form 5.1 (Building Condition Form) in Appendix C. As indicated in Form 5.1, more than two items were checked as "Yes," indicating that (for the purposes of a risk assessment) the dwelling is considered to be in poor condition.

The visual assessment was completed for the residence in order to identify:

- Deteriorating painted surfaces;
- Areas of visible dust accumulation;
- Areas of bare soil;
- Painted surfaces that are impact points or subject to friction; and
- Painted surfaces on which a child may have chewed.

Based on the visual assessment, the following areas of concern were identified:

Type of Potential Concern	Present? (Yes/No)	Locations Identified
Deteriorated Paint	Yes	Exterior trim, porch floors, interior ceilings and walls.
Dust Accumulations	Yes	Floorings, window troughs and sills.
Bare Soil	Yes	Dripline, front garden near porch, near brick wall corner.
Impact/Friction Surfaces	Yes	Exterior doors, porch floors.
Chewable Surfaces	No	

A summary of the visual paint inspection is provided on Form 5.2, "Paint Conditions on Selected Surfaces," provided in Appendix C. The areas of potential concern identified above were used to determine where environmental samples were collected (see below) or where further evaluation was needed.

3.1.2.2 - XRF Testing (Deteriorated Paint Areas)

In order to further evaluate the locations of deteriorated paint, Triton conducted testing using XRF. The survey was completed by a Connecticut certified lead inspector/risk assessor. The surveys were completed using a Niton XL-300A XRF instrument.

The results of the field XRF sampling are summarized on Form 5.3, "Field Sampling Form for Deteriorating Paint," provided in Appendix C. As indicated on Form 5.3, the following deteriorated paint surfaces were determined to contain lead paint above the HUD action level of 1 mg/cm^2: white panel plaster on B side of the kitchen, kitchen ceiling, green backdoor frame, blue backdoor trim, hallway ceiling,

second floor kitchen window sill, second floor living room closet door and jam, window trim on the second floor porch, green column on second floor porch, window trim in the miscellaneous attic room, red roof joists in the attic main room, green first floor porch floor, and white siding on the D side exterior.

3.1.2.3 - Dust Sampling

A total of 15 dust wipe samples were collected during the risk assessment from the areas identified with visible dust. The dust wipe samples collected are summarized in Form 5.4, "Field Sampling Form for Dust," provided in Appendix C. As indicated on Form 5.4, the following dust samples exhibited concentrations of lead in excess of HUD action levels: The porch floor (5,400 ug/ft^2), first floor hallway (81 ug/ft^2), first floor bedroom window trough (814 ug/ft^2), second floor kitchen window sill (1,265 ug/ft^2), second floor living room floor (63 ug/ft^2), second floor living room floor (271 ug/ft^2). The laboratory analytical report is included in Appendix E.

3.1.2.4 - Soil Sampling

As indicated in Section 3.1.2.1, bare soil areas were identified in the following locations at the residence: in the dripline of the perimeter, the landscaped area near the front porch, and near the corner of the brick wall.

A composite soil sample was collected from each area by collecting three or more discrete samples (from the upper ½ inch of soil) and compositing the soil in a pre-cleaned stainless steel bowl. The homogenized sample was then transferred into a laboratory clean sample container for analysis. Form 5.5 "Field Sampling Form for Soil" (included in Appendix C) provides a summary of the soil sampling conducted. As indicated on Form 5.5, the lead concentration in the following samples equaled or exceeded the HUD action level of 400 mg/kg (for play areas) or 1,200 mg/kg (for non-play areas).

Location	Lead Concentration (mg/kg)
Dripline	4,800
Front garden near porch	2,500

3.1.2.5 - Lead Hazard Control Options

In accordance with HUD requirements for projects exceeding $25,000.00 in overall cost, abatement of lead hazards is required (although interim controls are acceptable for exterior hazards).

Abatement is a lead hazard reduction method that is designed to permanently eliminate lead-based paint or lead-based paint hazards. Permanent is defined as having 20-year expected life. Interim controls are lead hazard reduction activities that temporarily reduce exposure to lead-based paint hazards through repairs, painting, maintenance, special cleaning, occupant protection measures, clearance, and education programs.

Based on the testing described above, lead hazards were identified in the following areas:

- Hazard A - lead levels exceeding 1 mg/cm^2 in deteriorated paint on the white panel plaster on B side of the kitchen, kitchen ceiling, green backdoor frame, blue backdoor trim, hallway ceiling, second floor kitchen window sill, second floor living room closet door and jam, window trim on the second floor porch, green column on second floor porch, window trim in the miscellaneous attic room, red roof joists in the attic main room, green first floor porch floor, and white siding on the D side exterior.

- Hazard B - elevated lead levels in dust on the porch floor, first floor hallway, first floor bedroom window trough, second floor kitchen window sill, second floor living room floor), second floor living room floor.

- Hazard C - elevated lead concentrations in soil in the garden near the front porch and the drip line.

Based on the lead hazards identified above, abatement will be required for Hazards A and B, and interim controls will be required for Hazard C.

Abatement options for Hazards A and B include:

- Removing lead-based paint and its dust. Paint removal options include removal by heat gun, chemical stripping, or by contained abrasives.
- Permanently encapsulating or enclosing the lead-based paint.
- Replacing components containing lead-based paint.

Interim control options for Hazards A and B include:

- Treatment for friction and impact surfaces. Correct the conditions that create friction or impact with surfaces with lead-based paint.
- Lead-contaminated dust removal and control. Dust can be removed using a HEPA-vacuum and the area cleaned. All rough, pitted or porous horizontal surfaces can be covered with a smooth, cleanable covering.
- Cleaning and vacuuming floors using HEPA vacuums or equivalent.

Interim control options for Hazard C include:

- Temporary surface coverings such as gravel, bark, mulch, and sod.
- Land use controls such as fencing, landscaping, and warning signs can be used.

Although permanent abatement of the deteriorated paint associated with Hazards A and B could be completed (removal or permanent covering), the regulations allow for the interim control options listed above. However, if these hazard areas are disturbed by the project, abatement (not interim controls) will be required.

These options should be reviewed by Merritt, the selected contractor, and the homeowner, and a site-specific lead hazard control plan should be developed and implemented. A monitoring and maintenance plan should also be developed associated with the interim controls for Hazard C to ensure that the controls continue their effectiveness over time.

3.2 - Asbestos Sampling

An asbestos survey was completed of the work zone on February 10, 2016. In accordance with the EPA National Emission Standards for Hazardous Air Pollutants

(NESHAP) regulation 40 CFR Part 61 (Subpart M), a property owner must ensure that a thorough inspection for asbestos-containing materials is completed prior to possible disturbance during renovation or demolition. A walk-through and inspection of the building was conducted by a Connecticut licensed asbestos inspector to identify suspect asbestos-containing materials (ACM). Once the location and quantity of each suspect ACM was documented, up to three representative samples of each suspect material were collected.

In accordance with EPA protocols, the samples of each suspect ACM were submitted to a State licensed laboratory and analyzed via the PLM method (EPA 600/R-93/116 Method). To avoid unnecessary sample analysis, the laboratory did not analyze duplicate homogeneous samples once asbestos was detected at concentrations greater than 1% in a related sample.

A total of 22 samples were collected from ten homogeneous building materials within the work zone. The results indicated that asbestos greater than 1% was identified in certain building materials, which are summarized in the following table. As shown below, black roof caulk on the rear porch roof contains approximately 4% chrysotile, the lower layer of roofing materials on the rear porch roof contained approximately 5% chrysotile, and tan caulk on the first floor porch roof contained 3% chrysotile. Triton was unable to collect representative samples of the black tar material on the chimney above the roof and has assumed that these materials are asbestos containing. Materials containing greater than 1% chrysotile are considered asbestos-containing under NESHAP.

Material	Location	Approx. Quantity	Condition	% Chrysotile
Black tar caulk	Rear porch roof	6 LF	Poor	4%
Lower layer of roofing material	Rear porch roof	6 SF	Poor	5%
Tan caulk	First floor porch	10 LF	Poor	3%
Chimney tar	Main roof	10 SF	Poor	Assumed to be <1%

A roster of the building materials suspected of containing asbestos (and subsequent samples) is attached as Appendix D. The laboratory analytical report is attached in Appendix E.

3.3 - Airborne Radon Sampling

Radon gas is a product of the decay series that begins with uranium. It is produced directly from radium, which can be commonly found in bedrock that contains black shale and/or granite. Radon gas can migrate through the ground and enter buildings through porous concrete or fractures, and tends to accumulate in poorly ventilated basements. Long-term exposure to radon has been associated with lung cancer.

Triton conducted a radon assessment of the lowest livable space at the site (first floor apartment). Two radon test kits were deployed (a sample and a duplicate) in the lowest level of the building on February 10, 2016 and allowed to sample radon levels for approximately 49 hours. The EPA has established the guideline of 4 pCi/L as an "elevated" indoor radon level. The laboratory reported results of -0.2 pCi/L* and 0.1 pCi/L for the subject site, both of which are below the EPA guideline of 4.0 pCi/L. The laboratory analytical results are attached in Appendix E.

3.4 - PCB Sampling

PCB sampling was conducted by Triton on February 10, 2016. Prior to sampling, Triton conducted a visual survey of the work zone for potential PCB-containing materials. A sampling plan was then developed in order to collect a set of samples that was representative of the various materials observed.

The following table summarizes the various types of materials that were observed, and the number of samples that were collected from each material type.

Sealant Material	Location	Number of Locations	Number of Samples Collected (5% Minimum)
Black caulk/tar	Rear porch roofing	1	1
Tan caulk	First floor porch	1	1

As indicated, two samples were collected from the work zone that are believed to provide a representative evaluation of the potential PCB-containing materials observed. The

* Reported value is radon concentration compared to a laboratory reference sample with a 0.0 radon concentration.

samples were collected using hand tools (e.g. utility knife). The samples were analyzed for PCBs by EPA Method 8082 (using the soxhlet extraction method).

PCBs were not detected in the samples (PCB-1 and PCB-2) collected from the caulking materials identified on the porch roofs. The laboratory analytical results are provided in Appendix E.

3.5 - Mold Inspection

Triton completed a visual mold inspection of the work area on February 10, 2016. Mold was observed on wood components and within the insulation of the attic. It is anticipated that these materials will be disturbed during the replacement of the roof. Photographs of the apparent mold are provided in Appendix B.

4.0 - CONTRACTOR BID ITEMS

Triton has completed building materials surveys within the proposed work area described by Merritt that have resulted in the identification of asbestos, lead paint, and mold. The contractor will be required to address these items in accordance with all appropriate regulatory requirements and industry standards and guidelines as described below.

4.1 - Lead Abatement

Work Zone

Initial XRF testing completed for the work zone identified lead-based paint on the exterior soffits surrounding the roofs and on the rafters in the attic. In addition, a lead risk assessment was performed in accordance with 24 CFR Part 35.1320. During the completion of the proposed work activities, if the lead-based paint is disturbed or deteriorated, lead-containing materials should be abated in accordance with local, state, and federal regulations including, but not limited to, *Housing and Urban Development – Lead-Based Paint Poisoning Prevention in Certain Residential Structures – Rehabilitation Regulations (24 CFR 35(J))* as well as the EPA's Renovation, Repair, and Painting Rule (RRP) of 40 CFR Part 745.

Additional Lead Hazard Areas

In addition to the work zone inspection, Triton completed a lead hazard risk assessment that identified lead hazards at the residence including exterior window trim on the exterior, porch floors, interior ceilings and walls, floorings, window troughs and sills, dripline soils, front garden soils near porch, exterior doors, and porch floors. Given that the overall level of anticipated funding for this project exceeds $25,000.00, these lead-based paint hazards must be abated in accordance with 24 CFR 35.1325, except that interim controls are acceptable on exterior surfaces that are not disturbed by the rehabilitation work. Section 3.1.2.5 summarizes available lead hazard control options for the site. Upon review by Merritt, the Contractor, and the homeowner, a site specific lead hazard control plan should be agreed upon and implemented.

Interim controls are allowed for exterior components only if the components are not disturbed by the rehabilitation. Therefore, if lead paint on the roof soffits are disturbed or deteriorated, full abatement will be needed. Lead-containing materials should be abated in accordance with local, state, and federal regulations including, but not limited to, *Housing and Urban Development – Lead-Based Paint Poisoning Prevention in Certain Residential Structures – Rehabilitation Regulations (24 CFR 35(J).*

Additional testing of leachable lead using the Toxicity Characteristic Leaching Procedure (TCLP) will be needed (to be collected by Triton) to characterize any waste stream generated from the lead hazard abatement for disposal. The abatement contractor must provide credentials/adequate qualification documentation and a work plan for abatement with their bid for review by Merritt and Triton. Work should meet safe work practices specified in 24 CFR 35.1350(b) including notifications to occupants and cleanup procedures. Clearance testing will be completed by Triton following the work in accordance with HUD protocols.

4.2 - Asbestos Abatement

Approximately six linear feet of asbestos-containing caulk was identified in the first floor rear porch roof, ten linear feet of asbestos-containing caulk was identified in the first floor front porch roof, and six square feet of roofing materials on the rear porch were found to be asbestos containing. In addition, because the chimney tar above the main roof could not be sampled, it should be assumed to be asbestos containing. To be protective of the health of occupants, this material will be required to be removed by a licensed asbestos abatement contractor. All abatement activities must be conducted in accordance with local, state, and federal regulations including, but not limited to, project design, containment structures, air monitoring, and clearance sampling by a licensed project monitor. Waste materials must also be properly disposed of at an appropriately permitted disposal facility. The abatement contractor must provide credentials/adequate qualification documentation and a work plan for abatement with their bid for review by Merritt and Triton.

4.3 - Mold Abatement

Mold was observed within the work zone on the wooden rafters of the attic and on insulation in the attic. Mold may be present in other interior areas that could not be observed

during the inspection (i.e. behind walls). Although it is anticipated that the insulation will be removed, mold on the rafters that will remain will require abatement to protect occupant health. Any porous materials containing visible mold that are encountered during the renovation should be removed in accordance with local, state, and federal regulations including, but not limited to, the guidelines put forward in the most recent version of the *Institute for Inspection, Cleaning, and Restoration Certificate (IICRC) Standard and Reference Guide for Mold Remediation* as well as the *Connecticut Guidelines for Mold Abatement Contractors.* The abatement contractor must provide credentials/adequate qualification documentation and a work plan for abatement with their bid for review by Merritt and Triton. Pre-abatement and clearance air testing will be completed by Triton to evaluate pre- and post-abatement conditions.

The above items are intended to provide professional contractors with the basis with which to provide a bid for abatement services and are not intended to serve as a formal bid specification or design documents.

5.0 - CONCLUSIONS AND RECOMMENDATIONS

Based on the results of NEPA evaluation and specific on-site surveys, it has been determined that this project cannot convert to Exempt per § 58.34(a)(12) at this time because one or more statutes/authorities require consultation or mitigation, as follows:

1. Historic Preservation - Confirmation from the State Historic Preservation Office is required that the project will not affect items of historic significance.

2. Flood Management/Coastal Zone Management Issues - The site is located within the coastal zone boundary. As such, a Coastal Area Management (CAM) Site Plan Review Application is required to be submitted to the Bridgeport Zoning Commission (unless otherwise exempted). It is our understanding that the DEEP has approved a Flood Management Certificate (No. 201405290-FM) for all CDBG-DR projects. Work shall be conducted in accordance with the conditions of the Certificate.

3. Lead-Based Paint - Based on the work zone lead inspection, lead paint was identified within the work zone (soffits and attic rafters). Given the presence of lead, renovation work that disturbs these surfaces should be completed in accordance with the EPA Renovation, Repair, and Painting (RRP) rule. The contractor should be familiar with where the lead paint is present such that they can take appropriate worker protection under OSHA regulations in 29 CFR. The lead hazard risk assessment also identified a lead hazard associated with exterior trim, porch floors, interior ceilings and walls, floorings, window troughs and sills, dripline soils, front garden soils near porch, exterior doors, and porch floors. Upon review of the hazard control options listed in Section 3.1.2.5, a site-specific lead hazard control plan should be developed and implemented. Notification of these lead hazards should be made to the homeowner and occupants within 15 days. Clearance testing will be performed by Triton following the work. If any of the lead-containing deteriorated pained surfaces or soils are to be disturbed during the rehabilitation work, abatement of the lead hazard should occur (versus interim controls). All debris generated during the implementation of the interim controls/abatement must be properly characterized via TCLP testing and disposed of at appropriately permitted facilities.

4. Asbestos-Containing Materials (ACM) - Based on the results of the asbestos survey and testing, black roof caulk on the rear porch roof, the lower layer of roofing materials on the rear porch roof, tan caulk on the first floor porch were identified as ACMs containing asbestos greater than 1%. The chimney tar above the main roof is also assumed to be asbestos-containing. If these materials will be disturbed, it appears that these roofing materials will have to be removed by a qualified contractor. Additional suspect ACM may be encountered during renovations in spaces that were inaccessible or not apparent during the inspection such as within walls, beneath surface layers of flooring, etc. As such, Triton recommends that a competent person be present during the renovation work who is capable of identifying additional suspect materials. Any such suspect materials encountered during the demolition must be sampled, tested, and if necessary, abated.

5. Mold - Mold was observed on wood components and within the insulation of the attic, and may be present in areas that could not be observed during the inspection (i.e. behind walls). Additional mold impacted surfaces may be encountered during renovation in spaces that were inaccessible or not apparent during the inspection. To protect occupant and worker health, the mold on the roof rafters must be abated by a qualified contractor and the affected insulation should be replaced. Pre-abatement air testing will be completed by Triton to establish a baseline. Triton recommends that a competent person be present during the renovation work who is capable of identifying potential additional suspect materials. General precautions should be taken during the renovation process to avoid the potential spread of mold spores and to mitigate health and safety concerns. Clearance testing will be completed (and compared against the baseline) to evaluate the efficacy of the abatement.

The above items should be completed such that the project can transition to Exempt status per § 58.34(a)(12).

6.0 - LIMITATIONS

The tasks completed were performed specifically within the work zone that has been specified to Triton by the Merritt project manager (such zone may change as the project develops and re-inspection by Triton will be required). In addition, the scope of work was limited to those items that are part of the NEPA review process with the exception of PCB sampling, which was performed as an emerging concern regarding worker/occupant health and safety and for proper disposal practices. As such, Triton provides no warranty or opinion regarding conditions outside of the work area, or related to additional environmental conditions outside of the NEPA review process.

In some circumstances, Triton has relied upon available resource maps and/or visual observations to evaluate specific statutory items. In these circumstances, actual surveys have not been conducted. For example, a full wetland delineation and elevation survey with respect to the coastal jurisdiction line has not been completed. Rather, Triton has relied upon available inland wetland and tidal wetland maps (and visual observations) to complete this review.

The completion of the NEPA screen process does not constitute completion of an Environmental Assessment (EA) or a Phase I Environmental Site Assessment.

The ACM, LBP, radon, mold, and PCB inspections were completed for accessible materials within the work zone only (as defined in Section 1.1) and involved the use of selective sampling and non-destructive sampling techniques to access visible suspect materials. Although efforts were made to diligently inspect all windows and other building materials, in completing the material survey it should be noted that additional suspect materials or mold may be present behind or beneath building components that were not readily accessible. If suspect, ACM, LBP, and PCB-containing materials are encountered during replacement activities, work should be halted until the materials are submitted for laboratory analysis. If mold is identified during replacement activities, it should be abated. As such, Merritt should consider having an environmental professional familiar with the project on site to aid in identifying and sampling potential materials. In most instances, CT DPH does not recommend analytical testing of the air or surfaces to find out how much or what kind of mold is present. As such, Triton's scope of

work has focused on a visual and olfactory evaluation. If requested by the homeowner, such testing can be provided both prior to, and following abatement.

In completing the survey, Triton has relied upon information provided by the client and subcontractors (i.e., testing laboratories). Triton provides no warranty regarding the accuracy and completeness of the information provided by subcontractors. A statistical methodology was used during the materials sampling (consistent with the 5% guidance recommended by EPA). Since not all materials were sampled, Triton cannot guarantee that additional materials are not present which contain higher concentrations. Without additional samples of embedded window materials for PCBs, the need for future EPA involvement cannot be confirmed.

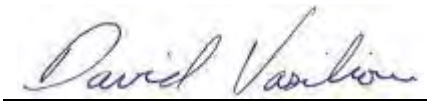
All abatement/renovation activities should be conducted in accordance with all applicable local, state, and federal regulations and Occupational Safety and Health Association (OSHA) guidelines.

This report is intended solely to summarize the results of the ACM, PCB, radon, and XRF lead testing, and mold inspection conducted at the site. This report is not intended to serve as a comprehensive hazardous materials survey or a technical specification for abatement and should not be used as such. All abatement activities should be conducted in accordance with applicable local, state, and federal regulations and OSHA guidelines.

This NEPA Report was prepared specifically for Merritt Construction Services, Inc. and the State of Connecticut. No person or other body shall be entitled to rely upon or use information presented in this report without written consent of Merritt Construction Services, Inc., the State of Connecticut, and Triton Environmental, Inc.

7.0 - SIGNATURES OF REPORT AUTHORS

This report has been prepared by Triton Environmental, Inc. The names listed below are the principal authors of this report. Requests for information regarding the content of this report should be directed to those individuals.



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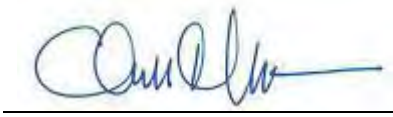

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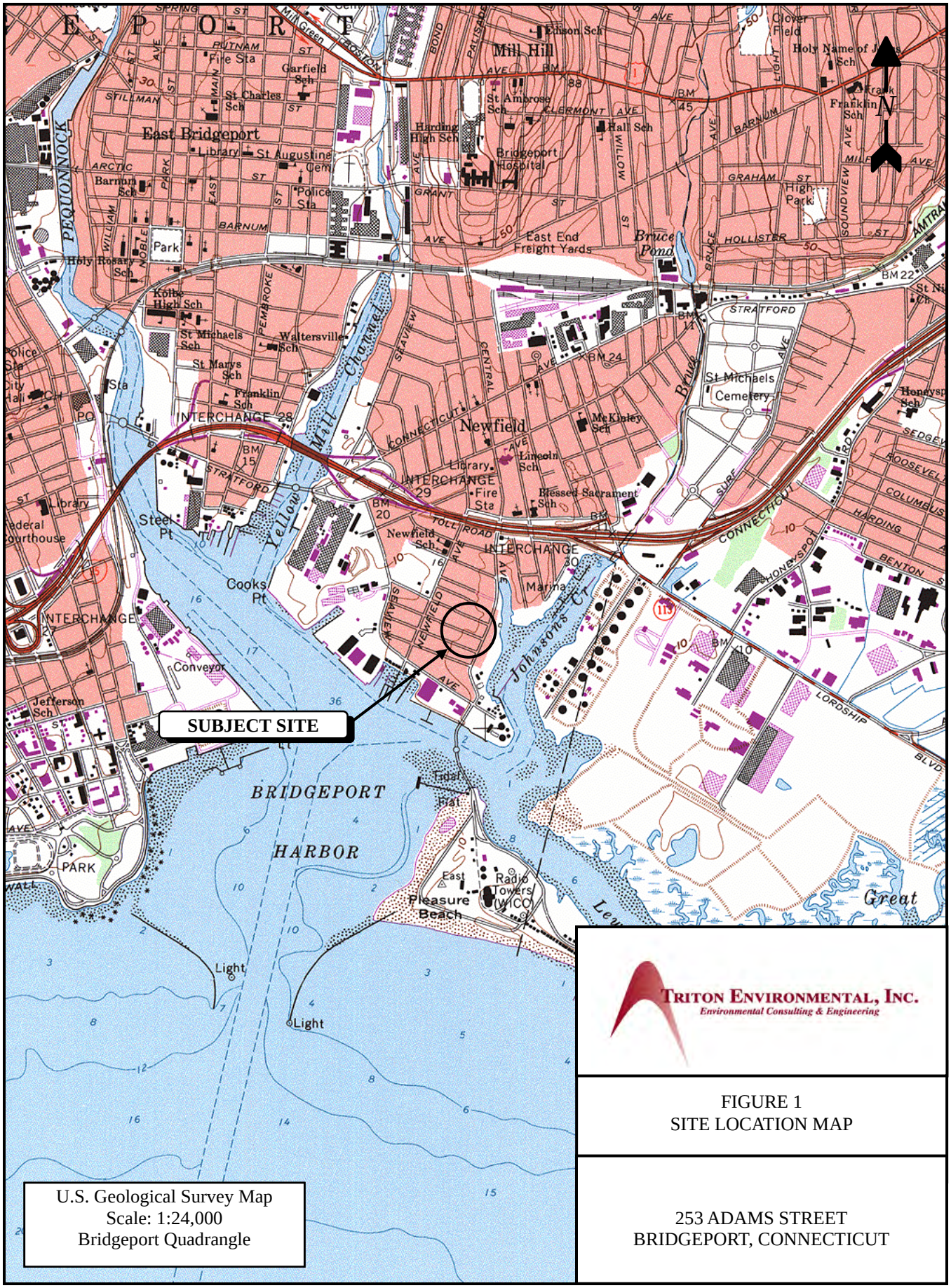
FIGURES



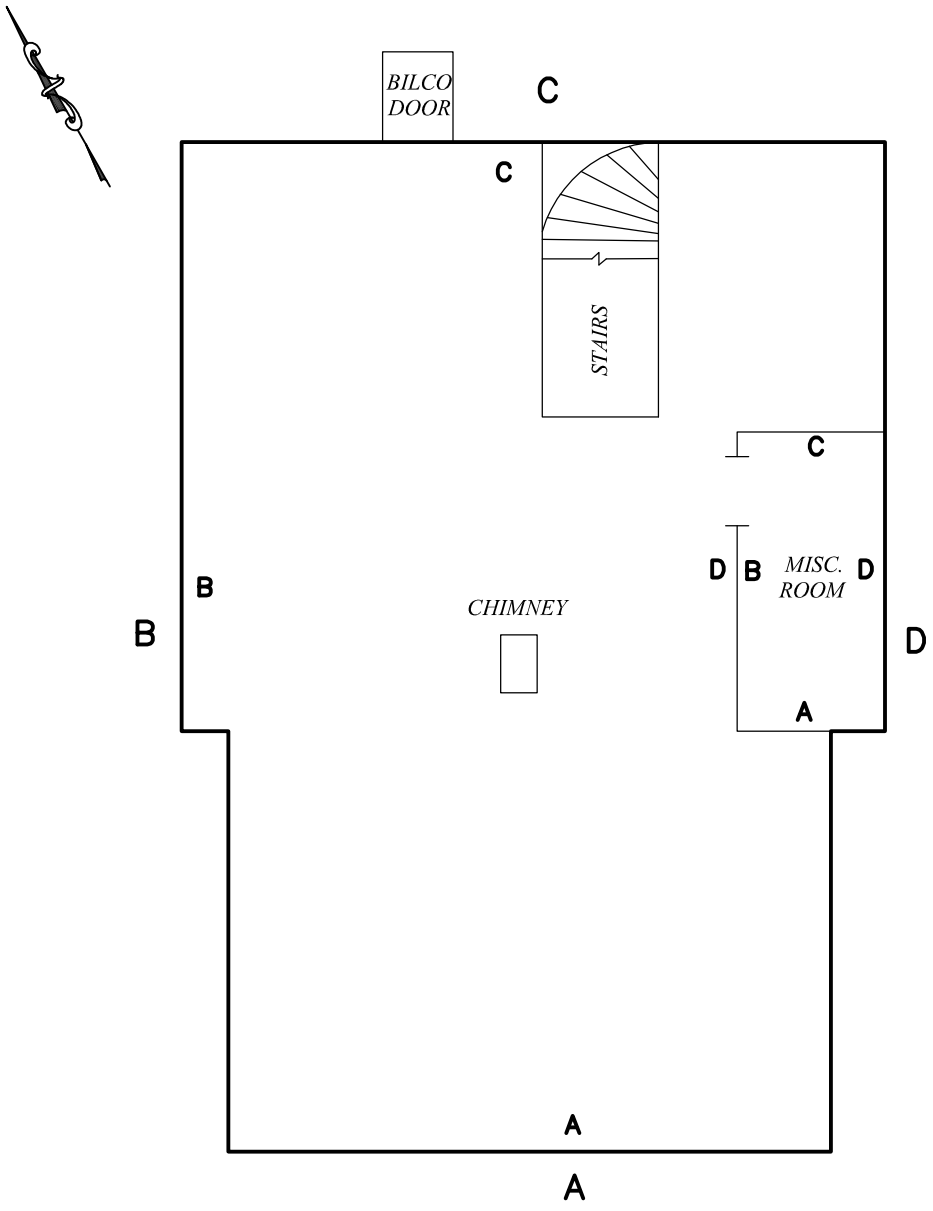
U.S. Geological Survey Map
Scale: 1:24,000
Bridgeport Quadrangle

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

FIGURE 1
SITE LOCATION MAP

253 ADAMS STREET
BRIDGEPORT, CONNECTICUT

R:\Programs\TopoMap\Topo Template.doc



NOT TO SCALE – SKETCH ONLY
FOR ILLUSTRATIVE PURPOSES

NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. TRITON MAKES NO WARRANTY AS TO THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.

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Environmental Consulting & Engineering
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FIGURE 2

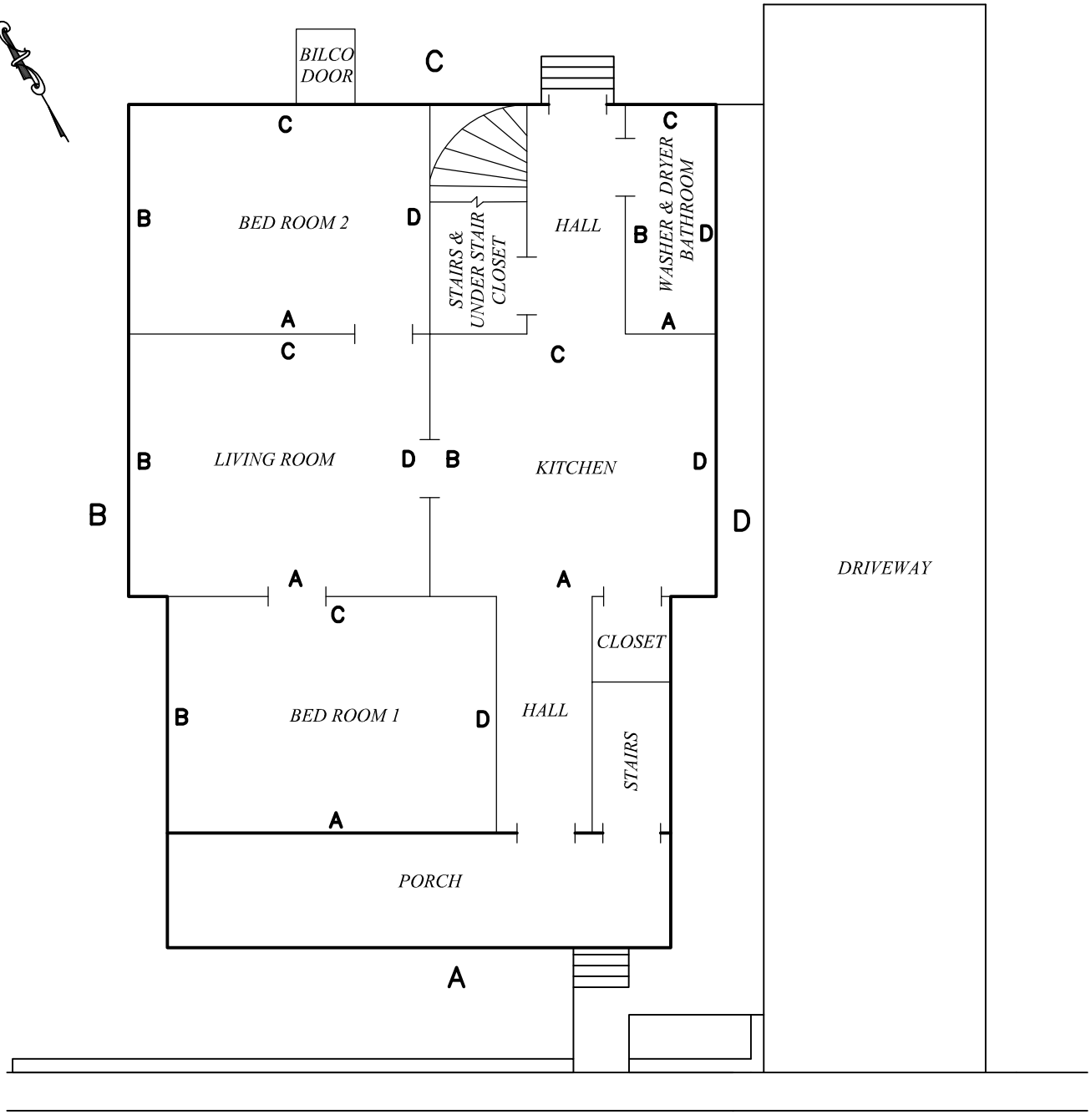
SITE DIAGRAM

BASEMENT

APPLICANT #5096
253 ADAMS STREET
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 2/11/16	SCALE: N.T.S.	FILE No.:104318-253ADAM

P:\CAD\DRAWINGS\104000\104318\FIGURES\253 ADAMS STREET\104318-253ADAM.DWG
Layout: BASEMENT



253 ADAMS STREET

NOT TO SCALE – SKETCH ONLY
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NOTES:

1. THE LOCATION OF ALL STRUCTURES, EQUIPMENT, DELINEATIONS AND OTHER FEATURES PRESENTED ON THIS DRAWING SHOULD BE CONSIDERED APPROXIMATE. THIS DRAWING SHOULD ONLY BE USED FOR GENERAL PRESENTATION PURPOSES AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. TRITON MAKES NO WARRANTY AS TO THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION CONTAINED IN THIS DRAWING, AND THE USER ASSUMES ALL RISK OF LOSS TO PERSONS AND PROPERTY FROM RELIANCE THEREON.

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FIGURE 2

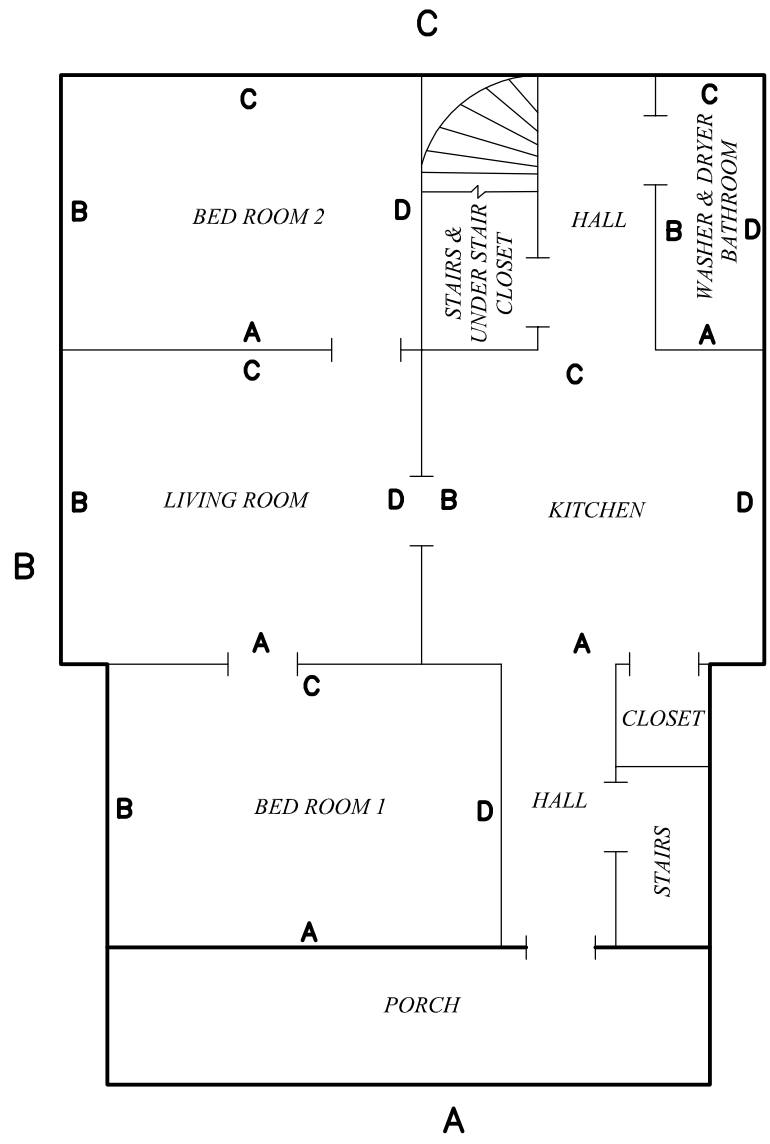
SITE DIAGRAM

FIRST FLOOR

APPLICANT #5096
253 ADAMS STREET
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 2/11/16	SCALE: N.T.S.	FILE No.:104318-253ADAM

P:\CAD\DRAWINGS\104000\104318\FIGURES\253 ADAMS STREET\104318-253ADAM.DWG
Layout: FIRST FLOOR



NOT TO SCALE – SKETCH ONLY
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FIGURE 2

SITE DIAGRAM

SECOND FLOOR

APPLICANT #5096
253 ADAMS STREET
BRIDGEPORT, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 2/11/16	SCALE: N.T.S.	FILE No.:104318-253ADAM

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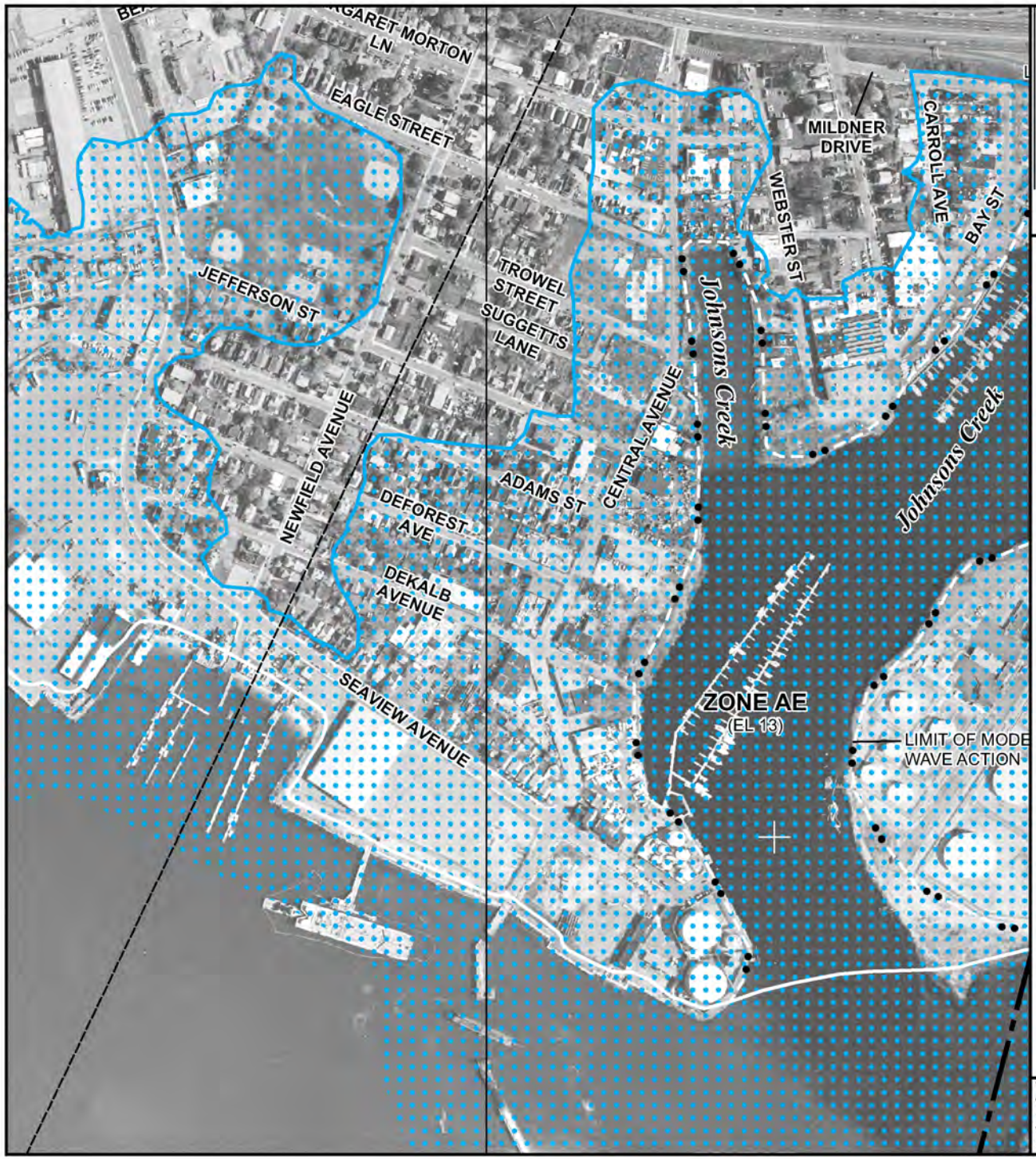
Layout: SECOND FLOOR

Appendix A

Public Resource Maps



PANEL 441 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BRIDGEPORT, CITY OF	090002	0441	G
STRATFORD, TOWN OF	090016	0441	G

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% Annual Chance Floodplain Boundary
0.2% Annual Chance Floodplain Boundary
Floodway boundary

Tidal Wetlands Map
(From 1994 Ramsar Tidal Wetlands Mapping and 1995 OLISP Tidal Wetlands Mapping)

253 Adams Street
Bridgeport, CT

Tidal Wetland 1990s

Inland Wetland Soil Map – Fairfield
(October 2009)

LEGEND

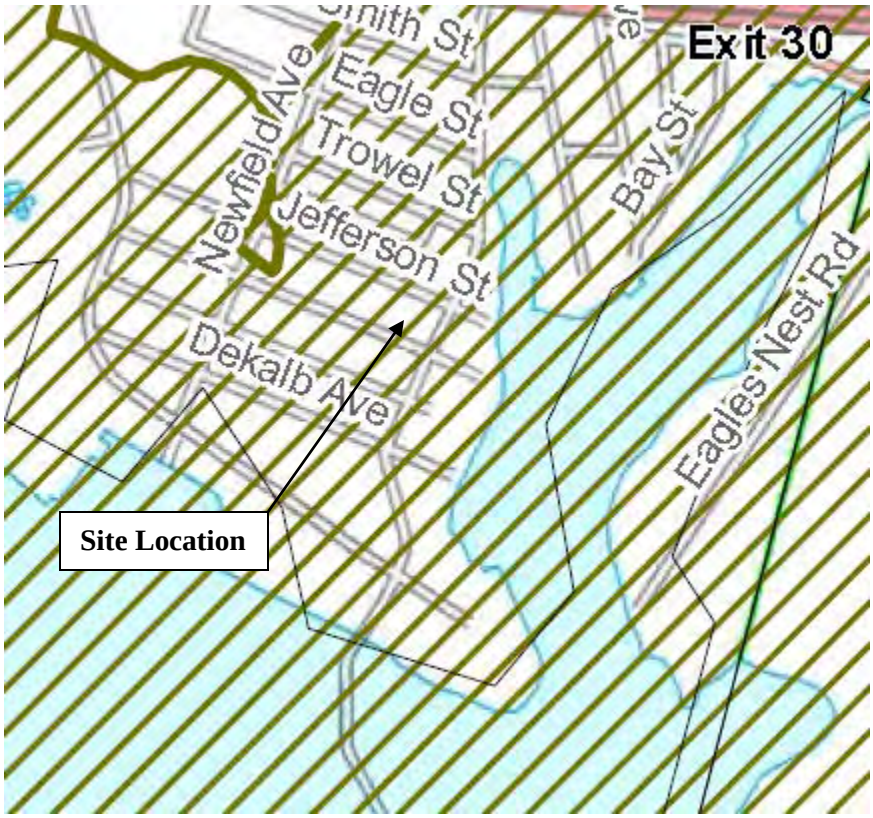
Poorly Drained and Very Poorly Drained soils - **Poorly drained** soils occur where the water table is at or just below the ground surface, usually from late fall to early spring. The land where poorly drained soils occur is nearly level or gently sloping. Many of our red maple swamps are on those soils. **Very poorly drained** soils generally occur on level land or in depressions. In these areas, the water table lies at or above the surface during most of the growing season. Most of our marshes and bogs are on these soils.

Alluvial and Floodplain soils occur along watercourses occupying nearly all level areas subject to periodic flooding. These soils are formed when material is deposited by flowing water. Such material can be composed of clay, silt, sand or gravel. Alluvial and floodplain soils range from excessively drained to very poorly drained.

- Open Water
- River, Brook, Stream
- Town Boundary
- State Boundary
- County Boundary
- Interstate Highway
- US Route Highway
- State Route Highway
- Highway Ramp
- Local Road
- Railroad

Coastal Boundary Map
(January 2013)

253 Adams Street
Bridgeport, CT



Coastal Boundary

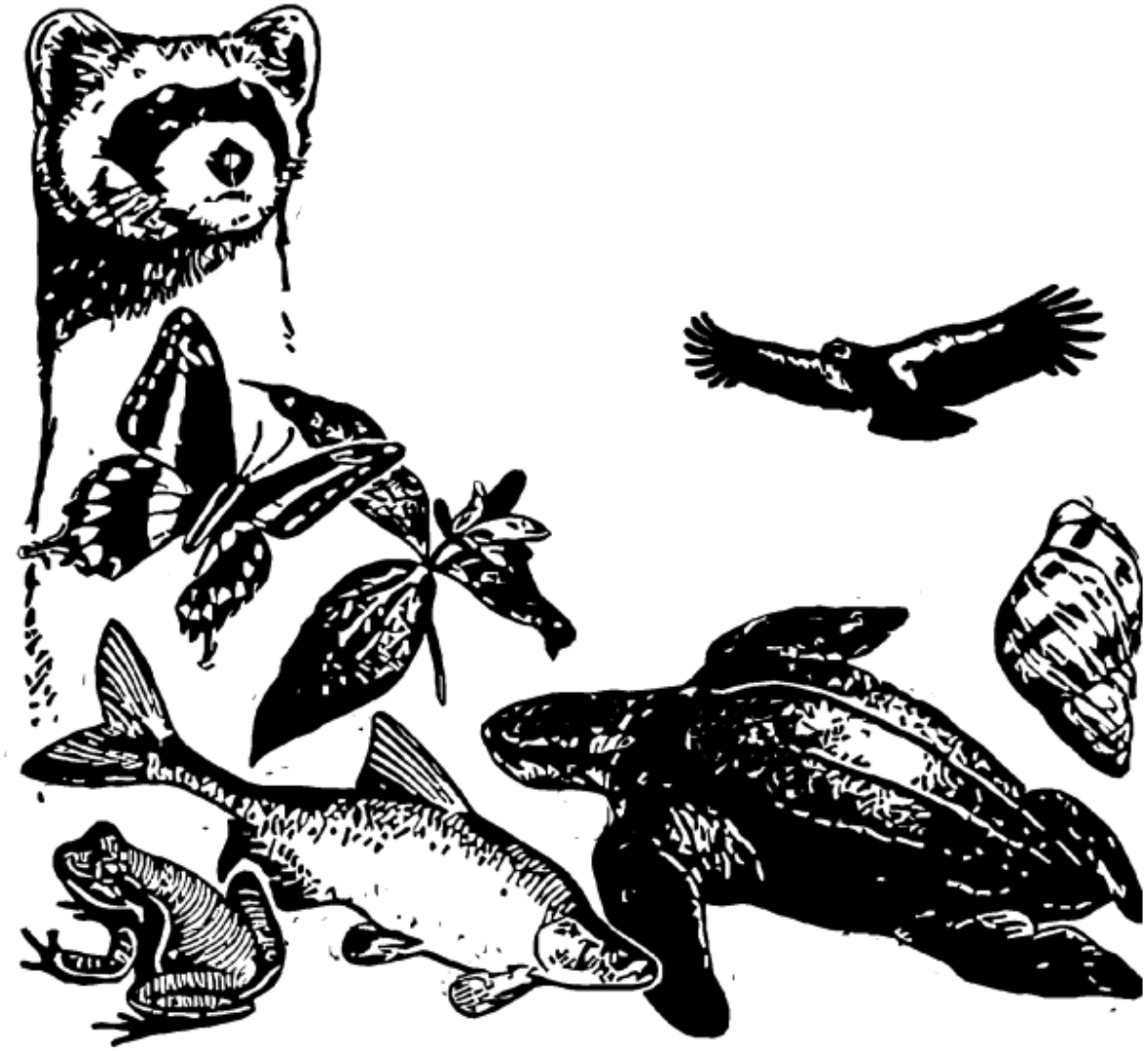
U.S. Fish & Wildlife Service

253 Adams Street

IPaC Trust Resource Report

Generated February 05, 2016 08:28 AM MST, IPaC v2.3.2

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



IPaC - Information for Planning and Conservation (http://ecos.fws.gov/ipac/): A project planning tool to help streamline the U.S. Fish & Wildlife Service environmental review process.

US Fish & Wildlife Service

IPaC Trust Resource Report

NAME

253 Adams Street

LOCATION

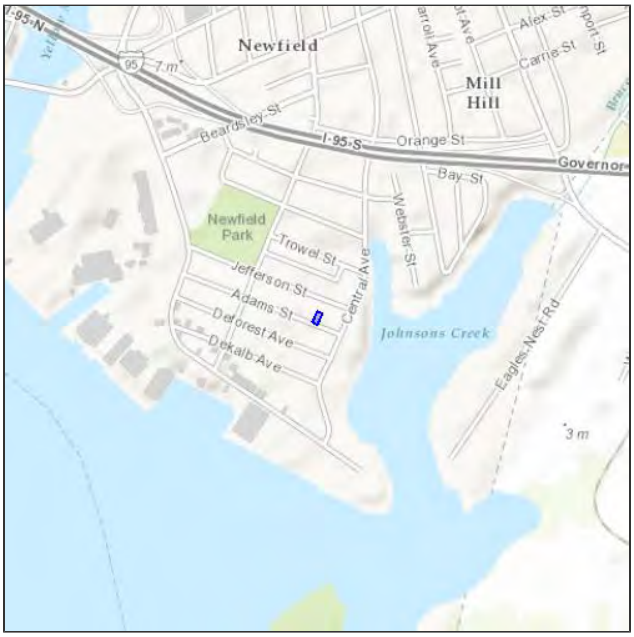
Fairfield County, Connecticut

DESCRIPTION

Renovations from Storm Sandy

IPAC LINK

http://ecos.fws.gov/ipac/project/EAMPF-XHKSZ-A7BEP-S63S4-L3A5LE



U.S. Fish & Wildlife Contact Information

Trust resources in this location are managed by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the Endangered Species Program of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require FWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency.

A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list from the Regulatory Documents section in IPaC.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Red Knot Calidris canutus rufa — Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DM

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service (1). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

Additional information can be found using the following links:

- Birds of Conservation Concern
  http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Year-round bird occurrence data
  http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php

The following species of migratory birds could potentially be affected by activities in this location:

American Oystercatcher Haematopus palliatus — Bird of conservation concern
Year-round
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G8

American Bittern Botaurus lentiginosus — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle Haliaeetus leucocephalus — Bird of conservation concern
Year-round
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Skimmer Rynchops niger — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EO

Black-billed Cuckoo Coccyzus erythropthalmus — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler Vermivora pinus — Bird of conservation concern
Season: Breeding

Canada Warbler Wilsonia canadensis — Bird of conservation concern
Season: Breeding

Fox Sparrow Passerella iliaca — Bird of conservation concern
Season: Wintering

Hudsonian Godwit Limosa haemastica — Bird of conservation concern
Season: Migrating

Least Bittern Ixobrychus exilis — Bird of conservation concern
Season: Breeding

Least Tern Sterna antillarum — Bird of conservation concern
Season: Breeding

Peregrine Falcon Falco peregrinus — Bird of conservation concern
Seasons: Breeding, Wintering
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe Podilymbus podiceps — Bird of conservation concern
Year-round

Prairie Warbler Dendroica discolor — Bird of conservation concern
Season: Breeding

Purple Sandpiper Calidris maritima — Bird of conservation concern
Season: Wintering

Rusty Blackbird Euphagus carolinus — Bird of conservation concern
Season: Wintering

Saltmarsh Sparrow Ammodramus caudacutus — Bird of conservation concern
Season: Breeding

Seaside Sparrow Ammodramus maritimus — Bird of conservation concern
Year-round

Short-eared Owl Asio flammeus — Bird of conservation concern
Season: Wintering
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Snowy Egret Egretta thula — Bird of conservation concern
Season: Breeding

Upland Sandpiper Bartramia longicauda — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher Empidonax traillii — Bird of conservation concern
Season: Breeding
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush Hylocichla mustelina — Bird of conservation concern
Season: Breeding

Worm Eating Warbler Helmitheros vermivorum — Bird of conservation concern
Season: Breeding

Refuges

Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuges in this location

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

DATA LIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATA EXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

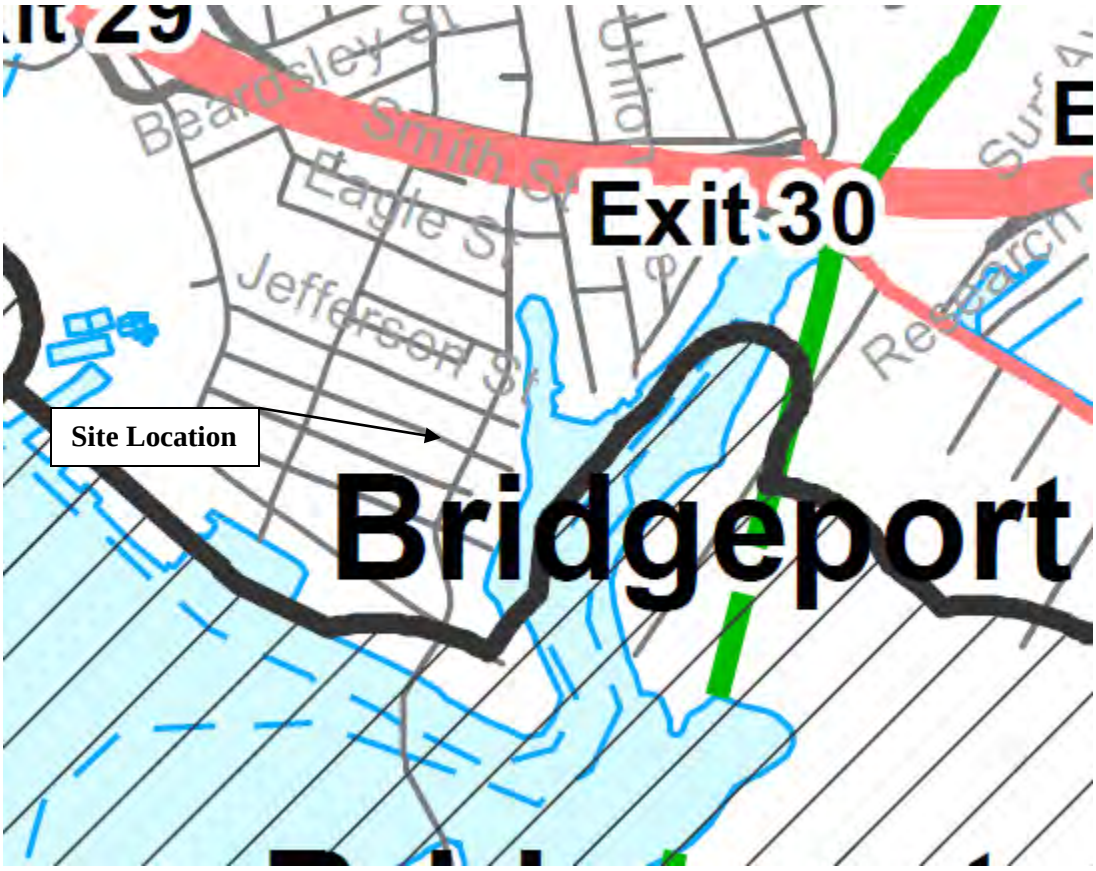
DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

There are no wetlands in this location

Natural Diversity Database Map
(September 2015)

253 Adams Street
Bridgeport, CT



Farmland Soil Map
(April 2011)

253 Adams Street
Bridgeport, CT

Prime Farmland Soils are those soils that have the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oil seed crops, and are also available for these uses (the land could be cropland, pastureland, range-land, forestland, or other land, but not urban built-up land or water). It has the soil quality, growing season and moisture supply needed to economically produce sustained high yields or crops when treated and managed, including water management, according to acceptable farming practices.

Statewide Important Farmland Soils are those soils that fail to meet one or more of the requirements of prime farmland, but are important for the production of food, feed, fiber, or forage crops. They include those soils that are nearly prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods.

Locally Important Farmland Soils are those soils that are not prime or statewide importance but are used for the production of high value food, fiber or horticultural crops. This land may be important to the local economy due to its productivity or value. Includes locally important farmland soils for the towns of Ashford, Canterbury, Chaplin, Eastford, Lebanon, Milford, New Milford, and Norfolk.

Tidal Wetlands Map
(From 1994 Ramsar Tidal Wetlands Mapping and 1995 OLISP Tidal Wetlands Mapping)

253 Adams Street
Bridgeport, CT

Tidal Wetland 1990s

Indoor Radon Potential Map - 1997

253 Adams Street
Bridgeport, CT

Site location is approximate

Low	6%
Low - Moderate	16%
Moderate	22%
Moderate - High	33%
High	48%

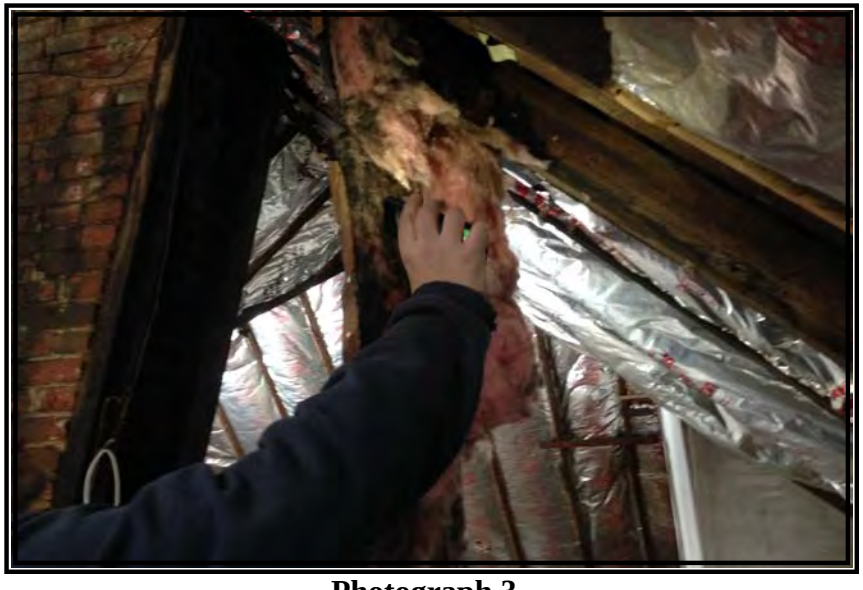
Water or Wetland
Towns
Naturally Occurring Radioactive Minerals
Sites may produce locally high radon levels

Appendix B

Photographs

Photograph 1
Lead-containing red paint on attic rafters

Photograph 2
Lead-containing green paint on roof soffit



Photograph 3
Mold on insulation in attic

Photograph 4
Mold on rafter in attic

Appendix C

Lead Risk Assessment and Inspection Forms

XRF Testing Data

253 Adams Street Bridgeport, CT

#5096

Reading No	Time	Type	Units	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Misc 1	Misc 2	Results	Depth Index	Action Level	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
238	2/10/2016 11:09	PAINT	mg / cm ^2	WALL	PLASTER	D	POOR	BROWN	5096	FIRST	LIVING ROOM	253 ADAMS	painted wallpaper	Negative	2.94	1	0.05	0.02	0.05	0.02	0.4	0.3
239	2/10/2016 11:10	PAINT	mg / cm ^2	WALL	PLASTER	D	POOR	BROWN	5096	FIRST	LIVING ROOM	253 ADAMS	painted wallpaper	Negative	2.53	1	0.06	0.02	0.06	0.02	0.4	0.3
240	2/10/2016 11:13	PAINT	mg / cm ^2	WALL	PLASTER	B	FAIR	WHITE	5096	FIRST	LIVING ROOM	253 ADAMS	painted wallpaper	Positive	10	1	21.3	0.9	2.3	0.4	21.3	0.9
241	2/10/2016 11:14	PAINT	mg / cm ^2	WALL	PLASTER	B	FAIR	WHITE	5096	FIRST	LIVING ROOM	253 ADAMS	painted wallpaper	Positive	10	1	21.1	0.9	2.2	0.4	21.1	0.9
242	2/10/2016 11:17	PAINT	mg / cm ^2	CEILING	VINYL		CRACKED	WHITE	5096	FIRST	KITCHEN	253 ADAMS	painted wallpaper	Positive	10	1	9	1.1	5.3	1.2	9	1.1
243	2/10/2016 11:18	PAINT	mg / cm ^2	CEILING	VINYL		CRACKED	WHITE	5096	FIRST	KITCHEN	253 ADAMS	painted wallpaper	Positive	10	1	9.2	1.2	5.1	1.3	9.2	1.2
244	2/10/2016 11:20	PAINT	mg / cm ^2	DOOR	WOOD	C	CRACKED	GREEN	5096	FIRST	HALL	253 ADAMS	door casing	Positive	2.13	1	18.5	0.8	10.1	0.8	18.5	0.8
245	2/10/2016 11:21	PAINT	mg / cm ^2	DOOR	WOOD	C	CRACKED	GREEN	5096	FIRST	HALL	253 ADAMS	door casing	Positive	2.1	1	25.1	1	10.1	1.1	25.1	1
246	2/10/2016 11:23	PAINT	mg / cm ^2	DOOR	WOOD	C	CRACKED	BLUE	5096	FIRST	HALL	253 ADAMS	door trim	Positive	1.98	1	2.3	0.1	2.3	0.1	2.4	0.3
247	2/10/2016 11:23	PAINT	mg / cm ^2	DOOR	WOOD	C	CRACKED	BLUE	5096	FIRST	HALL	253 ADAMS	door trim	Positive	1.96	1	2.3	0.5	2.3	0.5	2.5	0.8
248	2/10/2016 11:25	PAINT	mg / cm ^2	CEILING	PLASTER		CRACKED	WHITE	5096	FIRST	HALL	253 ADAMS		Positive	10	1	8.7	1.3	0.06	0.11	8.7	1.3
249	2/10/2016 11:25	PAINT	mg / cm ^2	CEILING	PLASTER		CRACKED	WHITE	5096	FIRST	HALL	253 ADAMS		Positive	10	1	13.3	1.5	3.6	1	13.3	1.5
250	2/10/2016 11:26	PAINT	mg / cm ^2	CEILING	PLASTER		CRACKED	WHITE	5096	FIRST	HALL	253 ADAMS		Positive	10	1	12	1.7	2.6	0.9	12	1.7
251	2/10/2016 11:29	PAINT	mg / cm ^2	RISER	WOOD		POOR	BEIGE	5096	FIRST	STAIR	253 ADAMS		Negative	1.67	1	0.17	0.03	0.17	0.03	0.5	0.2
252	2/10/2016 11:30	PAINT	mg / cm ^2	RISER	WOOD		POOR	BEIGE	5096	FIRST	STAIR	253 ADAMS		Negative	1.64	1	0.16	0.03	0.16	0.03	0.4	0.2
253	2/10/2016 11:32	PAINT	mg / cm ^2	DOOR	WOOD	D	POOR	BEIGE	5096	FIRST	BATHROOM	253 ADAMS	trim	Negative	1	1	0	0.02	0	0.02	0.3	0.17
254	2/10/2016 11:33	PAINT	mg / cm ^2	DOOR	WOOD	D	POOR	BEIGE	5096	FIRST	BATHROOM	253 ADAMS	trim	Negative	1.23	1	0	0.02	0	0.02	0.18	0.17
255	2/10/2016 11:36	PAINT	mg / cm ^2	WINDOW	WOOD	D	POOR	WHITE	5096	SECOND	KITCHEN	255 ADAMS	sill	Positive	7.22	1	6.1	0.5	5.2	0.5	6.1	0.5
256	2/10/2016 11:37	PAINT	mg / cm ^2	WINDOW	WOOD	D	POOR	WHITE	5096	SECOND	KITCHEN	255 ADAMS	sill	Positive	7.22	1	6	0.5	4.6	0.5	6	0.5
257	2/10/2016 11:41	PAINT	mg / cm ^2	WALL	PLASTER	B	POOR	WHITE	5096	SECOND	BEDROOM	255 ADAMS	rear bedroom	Negative	6.4	1	0.05	0.04	0.05	0.04	0.9	0.3
258	2/10/2016 11:42	PAINT	mg / cm ^2	WALL	PLASTER	B	POOR	WHITE	5096	SECOND	BEDROOM	255 ADAMS	rear bedroom	Negative	5.8	1	0.03	0.03	0.03	0.03	0.8	0.3
259	2/10/2016 11:45	PAINT	mg / cm ^2	DOOR	WOOD	C	PEELING	WHITE	5096	SECOND	LIVING ROOM	255 ADAMS		Positive	3.9	1	8.1	1	8	1	8.1	1
260	2/10/2016 11:48	PAINT	mg / cm ^2	DOOR	WOOD	C	PEELING	WHITE	5096	SECOND	LIVING ROOM	255 ADAMS	casing	Positive	3.04	1	11.4	0.6	10.1	0.9	11.4	0.6
261	2/10/2016 11:53	PAINT	mg / cm ^2	FLOOR	WOOD	A	POOR	GREEN	5096	SECOND	PORCH	255 ADAMS		Negative	1	1	0.01	0.02	0.01	0.02	0.6	0.2
262	2/10/2016 11:54	PAINT	mg / cm ^2	WINDOW	WOOD	A	POOR	GREEN	5096	SECOND	PORCH	255 ADAMS	exterior trim	Positive	1.3	1	2.6	0.4	1.8	0.1	2.6	0.4
264	2/10/2016 11:57	PAINT	mg / cm ^2	WALL	WOOD	A	POOR	GREEN	5096	SECOND	PORCH	255 ADAMS	exterior trim	Negative	1.32	1	0	0.02	0	0.02	0.6	0.3
265	2/10/2016 11:58	PAINT	mg / cm ^2	DOOR	WOOD	A	POOR	GREEN	5096	SECOND	PORCH	255 ADAMS	door base plate	Negative	1.21	1	0.5	0.1	0.5	0.1	1.2	0.3
266	2/10/2016 12:02	PAINT	mg / cm ^2	WALL	PLASTER	A	POOR	WHITE	5096	ATTIC	MISC	255 ADAMS		Negative	1.48	1	0.02	0.02	0.02	0.02	0.4	0.3
267	2/10/2016 12:05	PAINT	mg / cm ^2	WINDOW	WOOD	D	POOR	GRAY	5096	ATTIC	MISC	255 ADAMS	TRIM	Positive	3.34	1	14.4	0.7	9.3	0.7	14.4	0.7
268	2/10/2016 12:07	PAINT	mg / cm ^2	FLOOR	WOOD		POOR	BLACKBLUE	5096	ATTIC	MISC	255 ADAMS		Negative	1.04	1	0.12	0.02	0.12	0.02	0.5	0.2
271	2/10/2016 12:22	PAINT	mg / cm ^2	FLOOR	WOOD	A	POOR	GREEN	5096	FIRST	PORCH	253 EXTERIOR		Positive	1.18	1	1.6	0.3	1.2	0.1	1.6	0.3
272	2/10/2016 12:24	PAINT	mg / cm ^2	WALL	WOOD	A	POOR	GREEN	5096	FIRST	PORCH	253 EXTERIOR	top	Negative	1.25	1	0.6	0.1	0.6	0.1	0.9	0.2
274	2/10/2016 12:26	PAINT	mg / cm ^2	WINDOW	WOOD	A	POOR	GREEN	5096	FIRST	OUTSIDE	253 EXTERIOR	sill	Negative	1.79	1	0.7	0.1	0.7	0.1	1.1	0.2
275	2/10/2016 12:29	PAINT	mg / cm ^2	SIDING	WOOD	D	POOR	WHITE	5096	FIRST	OUTSIDE	253 EXTERIOR	beneath kitchen window	Positive	2.6	1	8.4	0.6	0.5	0.1	8.4	0.6
276	2/10/2016 12:31	PAINT	mg / cm ^2	WINDOW	WOOD	B	POOR	GREEN	5096	FIRST	OUTSIDE	253 EXTERIOR	living room window	Negative	1.26	1	0.23	0.04	0.23	0.04	0.6	0.3
Work Zone																						
263	2/10/2016 11:56	PAINT	mg / cm ^2	COLUMN	WOOD	A	POOR	GREEN	5096	SECOND	PORCH	255 ADAMS	exterior trim	Positive	5.59	1	2.3	0.4	0.5	0.1	2.3	0.4
269	2/10/2016 12:09	PAINT	mg / cm ^2	ROOF JOIST	WOOD		POOR	RED	5096	ATTIC	MISC	255 ADAMS		Positive	1.54	1	10.2	0.7	7.7	0.4	10.2	0.7
270	2/10/2016 12:10	PAINT	mg / cm ^2	ROOF JOIST	WOOD		POOR	WHITE	5096	ATTIC	MISC	255 ADAMS		Negative	1.63	1	0.08	0.03	0.08	0.03	0.4	0.3

Notes:

"Side" refers to location shown on Figure 2.

Total lead shown in PbC column.

XRF QUALITY ASSURANCE EVALUATION
Niton XLP 300 XRF Analyzer

Site Number:	**5096**
Site Address:	**253-255 Adams Street, Bridgeport, Connecticut**
Date of Inspection:	**February 10, 2016**
Triton Inspector:	**Brian Sirowich**
Triton Project No:	**104318.38**

	Test Location	Original Reading	Retest Reading	Ave. of Original and Retest	Square of Average
1	Living Room Wall	0.05	0.06	0.055	0.003025
2	Kitchen Wall	2.3	2.2	2.25	5.0625
3	Kitchen Ceiling	5.3	5.1	5.2	27.04
4	Hallway Door Frame	10.1	10.1	10.1	102.01
5	Hallway Door Trim	2.3	2.3	2.3	5.29
6	Hallway Ceiling	3.6	2.6	3.1	9.61
7	Stair Risers	0.17	0.16	0.165	0.027225
8	1st Floor Bathroom Door Frame	0	0	0	0
9	Kitchen Window Sill	5.2	4.6	4.9	24.01
10	Bedroom Wall	0.05	0.03	0.04	0.0016
	Average	2.907	2.715		
	Absolute Difference of Averages	**0.192**			
				Sum of Squared Averages "C"	173.05435
				C Times 0.0072 = "D"	1.24599132
				D plus 0.032 = "E"	1.27799132
				Square Root of E = "F"	1.130482782
				Multiply F by 1.645 = **Retest Tolerance Limit**	**1.859644176**

Conclusion

The absolute difference is less than the Retest Tolerance Limit. Inspection has passed the retest.

If the absolute differences of the averages exceeds the retest tolerance limit, the quality assurance procedure should be repeated a second time. If the difference of the averages exceeds the tolerance limit a second time, the inspection should be considered deficient.

Calculations are in accordance with the "Performance Characteristic Sheet" for the Niton XLP300. Effective date, September 24, 2004.

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.0 - RESIDENT QUESTIONNAIRE

Site Address: 253 (255)
Site ID: 5046

Children/Children's Habits

1. (a) How many full time and part time occupants are there in the home? 253: 1 / 255: 0
   (b) Do you have any children under the age of 6 that live in the home? Yes ☐ No ☒ / NO
   (c) If yes, how many? NO Ages? 5
   (d) Do children or grandchildren regularly visit the home? 10 his week.
   (e) If yes, how long do they typically stay? couple of hours or overnight Friday Night
   (f) Record blood lead levels, if known _____

IF NO CHILDREN, SKIP TO Question 5.

2. Locate the rooms/areas where each child sleeps, eats and plays.

Name of Child	Location of Bedroom	Location of all rooms where child eats	Primary location where child plays indoors	Primary location where child plays outdoors
Keimyah (eats)	Inside First Floor	Kitchen, Livingroom	Allover	Rear;

3. Where are toys stored/kept? Hallway (NO Toys)
4. Is there any visible evidence of chewed or peeling paint on the woodwork, furniture or toys?
   Yes ☐ No ☒ (NO)

Family Use Patterns

5. Which entrances are used most frequently? Front & Rear. (Front)
6. Which window are opened most frequently? All if needed. (all)
7. Do you use window air conditioners? If yes, where? Yes, where need. (Yes)
8. (a) Do any household members engage in gardening? Yes ☐ No ☒ (NO)
   (b) Record the location of any vegetable garden. NA (NA)
   (c) Are you planning any landscaping activities that will remove grass or ground covering?
   Yes ☐ No ☒ (NO)
9. (a) How often is the housing unit cleaned? 1/Week (Vacuum)
   (b) What cleaning methods do you use? General, (General)

10. (a) Did you recently complete any building renovations? Yes ____ No X (NO)
    (b) If yes, where? NO
    (c) Was building debris stored in the yard? If yes, where? NA (NA)

11. Are you planning any building renovations? If yes, where? None except Roof Replacement

12. (a) Do any household members work in a lead-related industry? Yes ☐ No ☒
    (b) If yes, where are dirty work clothes placed and cleaned? NO

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.1 - BUILDING CONDITION FORM

Site Address: 253 Adam ST, Bridgeport, CT
Site ID: 5096

Condition	Yes	No
Roof missing parts of surfaces (tiles, boards, shakes, etc.)	X	
Roof has holes or large cracks		X
Gutters or downspouts broken	X	
Chimney masonry cracked, bricks loose or missing, obviously out of plumb	X	
Exterior or interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonry) or painting	(X)	X
Exterior siding has missing boards or shingles	X	
Water stains on interior walls or ceilings	X-Bathroom.	(X)
Plaster walls or ceilings deteriorated	X(Y)	
Two or more windows or doors broken, missing, or boarded up	X basement	X
Porch or steps have major elements broken, missing, or boarded up		X (X)
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
Total number*	5	3

*If the "Yes" column has two or more checks, the dwelling is usually considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining the final condition of the dwelling and the appropriateness of a lead hazard screen.

NOTES: 2 Apartments 253 1st

(X) = 255

Settled Planks.

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.2 - PAINT CONDITIONS ON SELECTED SURFACES
(Single Family, Owner Occupied)

Site Address: 253 Adams ST Bridgeport, CT
Site ID: 5096

Building Component	Location Notes	Paint Condition (Intact, Fair, Poor or Not Present)	Deterioration Due to Friction or Impact?	Deterioration due to Moisture?	Location of Painted Component with Visible Bite Marks
Building Siding	All	Fair		Yes	None.
Exterior Trim	All	Poor or Not Present	Possible	Yes	NO
Exterior Windows	All	" "	"	"	"
Exterior Doors	3 on 1st Floor 1 on 2nd	Fair	Yes	Yes	No
Railings	Front	Fair	No	No	No
Porch Floors	Front Rear (Front)	Poor, NP (same)	Yes	Yes	"
Other Porch Surfaces	None (None)				
Interior Doors	Throughout (Same)	Good/Fair			
Ceilings	Kitchen, Hall to 2nd Floor	Cracked	Unk	Unk	
Walls	Kitchen	Cracked	No	No	
Interior Windows	1st Floor (2nd)	Fair (Same)			
Interior Floors	NA (2nd)	(Good)			
Interior Trim	1st Floor (2nd)	Fair (Same)			
Stairways		Fair			
Radiator (or radiator cover)	4 1st (None)	NP			
Kitchen cabinets	1st (2nd)	NP (Fair)			
Bathroom cabinets	1st (2nd) None)	None			
Other surfaces	1st No	Nail			

2nd Floor ceilings Settled Plaster Paint Keeping intact.
2nd Floor walls Settled Plaster

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NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.3 – FIELD SAMPLING FORM FOR DETERIORATED PAINT
(Single Surface)

Site ID: 5096
Name of Risk Assessor BNS
Name of Property Owner Collin Vice
Property Address 253 Adams St Bridgeport CT Apt. No. _____

Sampling Protocol X All Dwellings ___ Targeted ___ Worst-Case ___ Random

Target Dwelling Criteria (Check all that apply)

___ Code Violations
X Judged to be in Poor Condition
X Presence of 1 or More Children under the Age of 6 Years
___ Serves as Day-Care Facility
___ Recently Prepared for Re-occupancy
___ Random Sampling
___ None of the above

Sample Number	Room	Building Component	XRF Reading (mg/cm^2)
1	Living Room	Wall D Brown wall paper	0.05, 0.06
2	Kitchen	Wall B white Plaster paint	21.3, 21.1
3	Kitchen	Ceiling white	9, 9.2
4	Hallway	Backdoor Frame green	18.5, 25.1
5	Hallway	Backdoor Trim blue	2.3, 2.3
6	Hallway	Ceiling white	8.7, 13.3, 12
7	Back Stairs	Stair riser	0.17, 0.16
8	Back Hall / bathroom	bathroom door Frame	0, 0
9	Kitchen 2nd Floor	window Sill	6.1, 6
10	bedroom 2nd Floor	Wall D	0.05, 0.03
11	living / Dining room 2nd	Closet Door C	8.1
12	living / Dining 2nd Floor	Closet Door C Jam	11.4
13	porch 2nd Floor	Floor, Green	0.01
14	porch 2nd Floor	window Trim	2.6
15	Porch 2nd Floor	Column Green	2.3
16	Porch 2nd Floor	porch rail/wall green	0
17	Porch 2nd Floor	Door Base plate	0.5
18	Misc room 3rd Floor	Wall A white	0.02
19	Misc room 3rd Floor	window Trim	14.4
20	Main room 3rd Floor	Floor black/blue	0.12
21	Main room 3rd Floor	Roof Joist red	10.2
22	Main room 3rd Floor	Roof Joist white	0.08

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Sample Number	Room	Building Component	XRF Reading (mg/cm^2)
23	Porch 1st Floor	Floor green	1.6
24	Porch 1st Floor	Rail/wall A side	0.6
25	Exterior 1st Floor	Side A window sill	0.7
26	Exterior 1st Floor	Siding Side D white	8.4
27	Exterior 1st Floor	Side B window Frame	0.23
HUD/EPA STANDARD			1 mg/cm^2 or 0.5% by weight

Sample all layers of paint, not just deteriorated paint layers
Total Number of Samples This Page 27
Page 2 of 2
Date of Data Collection 2/10/16

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NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.4 – FIELD SAMPLING FORM FOR DUST
(Single Surface Sampling)

Site ID: 5096
Name of Risk Assessor BNS
Name of Property Owner Colin Vice
Property Address 253 Adams Apt. No. _____

Sampling Protocol X All Dwellings ____Targeted ____Worst-Case ____Random

Target Dwelling Criteria (Check all that apply)
- ____ Code Violations
- X Judged to be in Poor Condition
- X Presence of 1 or More Children under the Age of 6 Years
- ____ Serves as Day-Care Facility
- ____ Recently Prepared for Re-occupancy
- ____ Random Sampling
- ____ None of the above

Sample Number	Room (Record name of room used by the Owner or Resident)	Surface Type	Is Surface Smooth and Cleanable?	Dimensions[1] of sample area (inches x inches)	Area (ft^2)	Result of Lab Analysis ($\mu g/ft^2$)
253w1	Porch Floor	Wood	yes	12 X 12	1	5,400
253w2	Front Hallway Floor	Tile	yes	12 X 12	1	81
253w3	Kitchen Floor	Tile	yes	12X12	1	19
253w4	kitchen window sill A	wood	yes	3.25X27	0.49	149
253w5	living room Floor	carpet	yes	12X12	1	23
253w6	bedroom 1 window sill	wood	yes	3.5X27	0.65	40
253w7	bedroom 1 window through	metal	yes	3X23	0.48	814
253 w8	Bedroom 1 Floor	carpet	yes	12X12	1	11
255w1	Kitchen Floor	Tile	yes	12X12	1	36
255w2	Kitchen window sill	wood	yes	27 X 3.5	0.65	1,265
255w3	Bedroom window sill	metal	yes	3X23	0.48	230
255W4	living room Floor	wood	yes	12X12	1	63
255w5	living room window sill	wood	yes	3.5X27	0.65	59
255w6	living room window Trough	metal	yes	23X3	0.48	271
255w8	Hallway Floor	wood	yes	12X12	1	37

[1]Measure to the nearest 1/8 inch
HUD Standards: 40 $\mu g/ft^2$ (floors) and 250 $\mu g/ft^2$ (interior window sills).

Total Number of Samples This Page 15
Page 1 of 1
Date of Sample Collection 2/10/16 Date Shipped to Lab 2/10/16

Shipped by __ See Chain of Custody ____ Received by __ See Chain of Custody _____
(Signature) (Signature)

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.5 – FIELD SAMPLING FORM FOR SOIL
(Composite Sampling Only)

Site ID: 5096
Name of Risk Assessor Brian Sirowich
Name of Property Owner Collin Vice
Property Address 253-255 Adams St, Bridgeport Apt. No. ____

Sample No.	Location	Bare or Covered?	Lab Result (ug/g)
SS-1	Dripline	Bare	4,800
SS-2	Front garden near porch	Bare	2,500
SS-3	Sidewalk corner garden	Bare/partial	220
HUD interim standard for play area			400
HUD interim standard for perimeter			1,200

Collect only top ½ inch of soil

Total Number of Samples This Page 3
Page 1 of 1
Date of Sample Collection 2/10/16 Date Shipped to Lab 2/10/16

Shipped by ___ See Chain of Custody ___ Received by _ See Chain of Custody _____
(Signature) (Signature)

Appendix D

Roster of Suspect Asbestos-Containing Materials

Appendix D
Roster of Suspect Asbestos-Containing Materials – February 2016
Site # 5096 – 253-255 Adams Street, Bridgeport, CT

Sample ID	HA	Material	Quantity	Condition	Location
First Floor					
S1	1	Rear porch black tar roofing caulk	6 LF	Poor	Rear porch roof
S2-S4	2	Green/White roof shingle	20 SF	Poor	Rear porch roof
S5	3	Front porch roof lower layer	6 SF	Poor	Rear porch roof
S6-S8	4	Front porch shingle – white	60 SF	Good	Front porch roof
S9	5	Front porch roof lower layer	60 SF	Poor	Front porch roof
S10	6	Front porch roof tan caulk	10 LF	Poor	Front porch roof
Second Floor					
S11-S13	7	Pink fiberglass paper in attic	1,000 SF	Good	Attic
S14-S16	8	Yellow fiberglass paper in attic	800 SF	Poor	Attic
S17-S19	9	Upper layer of main roof	2,000 SF	Poor	Roof
S20-S22	10	Lower layer of main roof	2,000 SF	Poor	Roof
Not sampled	11	Black tar on chimney above main roof	10 SF	Poor	Roof

Notes:
SF = Square Feet
LF = Linear Feet
HA = Homogeneous Area

Appendix E

Laboratory Analytical Data

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Brian Sirowich
Triton Environmental
385 Church St.
Guilford, CT 06437

Analytical Report

CET# 6020189

Report Date:February 16, 2016
Project: 104318
Project Number: 104318.38
PO Number: 104318.38

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903

New York Certification: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 14.8°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PCB-1	6020189-01	Caulk	2/10/2016 12:30	02/10/2016
PCB-2	6020189-02	Caulk	2/10/2016 13:00	02/10/2016
SS-1 0-3in	6020189-03	Soil	2/10/2016 11:00	02/10/2016
SS-2 0-3in	6020189-04	Soil	2/10/2016 11:30	02/10/2016
SS-3 0-3in	6020189-05	Soil	2/10/2016 12:00	02/10/2016
253 W1	6020189-06	Wipe	2/10/2016 9:20	02/10/2016
253 W2	6020189-07	Wipe	2/10/2016 9:25	02/10/2016
253 W3	6020189-08	Wipe	2/10/2016 9:30	02/10/2016
253 W4	6020189-09	Wipe	2/10/2016 9:35	02/10/2016
253 W5	6020189-10	Wipe	2/10/2016 9:40	02/10/2016
253 W6	6020189-11	Wipe	2/10/2016 9:45	02/10/2016
253 W7	6020189-12	Wipe	2/10/2016 9:50	02/10/2016
253 W8	6020189-13	Wipe	2/10/2016 9:55	02/10/2016
255 W1	6020189-14	Wipe	2/10/2016 10:00	02/10/2016
255 W2	6020189-15	Wipe	2/10/2016 10:05	02/10/2016
255 W3	6020189-16	Wipe	2/10/2016 10:10	02/10/2016
255 W4	6020189-17	Wipe	2/10/2016 10:15	02/10/2016
255 W5	6020189-18	Wipe	2/10/2016 10:20	02/10/2016
255 W7	6020189-19	Wipe	2/10/2016 10:25	02/10/2016
255 W8	6020189-20	Wipe	2/10/2016 10:30	02/10/2016

Analyte: Total Solids [EPA 160.3 modified]

Analyst: JZ

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6020189-03	SS-1 0-3in	**59**	1.0	%	1	B6B1109	02/11/2016	02/11/2016 14:00	
6020189-04	SS-2 0-3in	**67**	1.0	%	1	B6B1109	02/11/2016	02/11/2016 14:00	
6020189-05	SS-3 0-3in	**71**	1.0	%	1	B6B1109	02/11/2016	02/11/2016 14:00	

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3050B

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6020189-03	SS-1 0-3in	**4800**	3.4	mg/kg dry	1	B6B1102	02/11/2016	02/11/2016 16:38	
6020189-04	SS-2 0-3in	**2500**	3.0	mg/kg dry	1	B6B1102	02/11/2016	02/11/2016 16:42	
6020189-05	SS-3 0-3in	**220**	2.8	mg/kg dry	1	B6B1102	02/11/2016	02/11/2016 16:46	

CET # : 6020189
Project: 104318
Project Number: 104318.38

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3050B

Matrix: Wipe

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6020189-06	253 W1	**5400**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 12:39	
6020189-07	253 W2	**81**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 12:43	
6020189-08	253 W3	**19**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 12:48	
6020189-09	253 W4	**74**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 12:52	
6020189-10	253 W5	**23**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:05	
6020189-11	253 W6	**26**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:09	
6020189-12	253 W7	**390**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:13	
6020189-13	253 W8	**11**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:18	
6020189-14	255 W1	**36**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:22	
6020189-15	255 W2	**830**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:26	
6020189-16	255 W3	**110**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:31	
6020189-17	255 W4	**63**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:35	
6020189-18	255 W5	**39**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:39	
6020189-19	255 W7	**130**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:43	
6020189-20	255 W8	**37**	1.0	ug	1	B6B1212	02/12/2016	02/12/2016 13:56	

CET # : 6020189
Project: 104318
Project Number: 104318.38

Client Sample ID PCB-1

Lab ID: 6020189-01

PCBs by Soxhlet

Method: EPA 8082A

Analyst: MP

Matrix: Caulk

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1221	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1232	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1242	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1248	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1254	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1260	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1268	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
PCB-1262	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:16	
Surrogate: TCMX	*72.7 %*	*50 - 150*			B6B1123	02/11/2016	*02/12/2016 17:16*	
Surrogate: DCB	*69.0 %*	*50 - 150*			B6B1123	02/11/2016	*02/12/2016 17:16*	

Client Sample ID PCB-2

Lab ID: 6020189-02

PCBs by Soxhlet **Analyst: MP**

Method: EPA 8082A **Matrix: Caulk**

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1221	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1232	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1242	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1248	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1254	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1260	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1268	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
PCB-1262	ND	0.80	4	EPA 3540C	B6B1123	02/11/2016	02/12/2016 17:35	
Surrogate: TCMX	*71.8 %*	*50 - 150*			B6B1123	02/11/2016	*02/12/2016 17:35*	
Surrogate: DCB	*73.9 %*	*50 - 150*			B6B1123	02/11/2016	*02/12/2016 17:35*	

QUALITY CONTROL SECTION

Batch B6B1102 - EPA 6010C

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6B1102-BLK1)					Prepared: 2/11/2016 Analyzed: 2/11/2016				
Lead	ND	2.0							
LCS (B6B1102-BS1)					Prepared: 2/11/2016 Analyzed: 2/11/2016				
Lead	23.5	2.0	25.000		94.2	80 - 120			
Duplicate (B6B1102-DUP1)		**Source: 6020189-05**			Prepared: 2/11/2016 Analyzed: 2/11/2016				
Lead	242	2.8		217			11.0	35	
Matrix Spike (B6B1102-MS1)		**Source: 6020189-05**			Prepared: 2/11/2016 Analyzed: 2/11/2016				
Lead	#	2.8	35.202	217	#	75 - 125			#
Matrix Spike Dup (B6B1102-MSD1)		**Source: 6020189-05**			Prepared: 2/11/2016 Analyzed: 2/11/2016				
Lead	#	2.8	35.202	217	#	75 - 125	#	35	#

Batch B6B1123 - EPA 8082A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6B1123-BLK1)					Prepared: 2/11/2016 Analyzed: 2/12/2016				
PCB-1016	ND	0.20							
PCB-1221	ND	0.20							
PCB-1232	ND	0.20							
PCB-1242	ND	0.20							
PCB-1248	ND	0.20							
PCB-1254	ND	0.20							
PCB-1260	ND	0.20							
PCB-1268	ND	0.20							
PCB-1262	ND	0.20							
Surrogate: TCMX					*83.8*	*50 - 150*			
Surrogate: DCB					*91.1*	*50 - 150*			
LCS (B6B1123-BS1)					Prepared: 2/11/2016 Analyzed: 2/12/2016				
PCB-1016	0.811	0.20	1.000		81.1	50 - 150			
PCB-1260	0.931	0.20	1.000		93.1	50 - 150			
Surrogate: TCMX					*88.6*	*50 - 150*			
Surrogate: DCB					*90.8*	*50 - 150*			
Duplicate (B6B1123-DUP1)		**Source: 6020189-01**			Prepared: 2/11/2016 Analyzed: 2/12/2016				
PCB-1016	ND	0.80		ND				50	
PCB-1221	ND	0.80		ND				50	
PCB-1232	ND	0.80		ND				50	
PCB-1242	ND	0.80		ND				50	
PCB-1248	ND	0.80		ND				50	
PCB-1254	ND	0.80		ND				50	
PCB-1260	ND	0.80		ND				50	
PCB-1268	ND	0.80		ND				50	
PCB-1262	ND	0.80		ND				50	
Surrogate: TCMX					*62.5*	*50 - 150*			
Surrogate: DCB					*63.3*	*50 - 150*			

Batch B6B1212 - EPA 6010C

Analyte	Result (ug)	RL (ug)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B6B1212-BLK1)					Prepared: 2/12/2016 Analyzed: 2/12/2016				
Lead	ND	1.0							

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte foun in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
New York Certification 11982
Rhode Island Certification 199

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogenity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 6010C in Soil	
Lead	CT,NY
EPA 6010C in Wipe	
Lead	CT
EPA 8082A in Solid	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT
PCB-1262	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2016

6020189

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, 624, CT ETPH, 8270 CT List, 8270 PNAs, PCBs 8082 & Soxhlet, Pesticides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL Lead, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	624	CT ETPH	8270 CT List	8270 PNAs	PCBs 8082 & Soxhlet	Pesticides	13 Priority Poll	8 RCRA	TOTAL Lead	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
PCB-1	NA	2/10 12:30	O				X								X									1	
PCB-2	NA	2/10 1:00	O				X								X									1	
SS-1	0-3"	2/10 11:00	Soil				X												X					1	
SS-2	↓	11:30	↓				X												X					1	
SS-3	↓	12:00	↓				X												X					1	
253 W1	NA	2/10 9:20	Wipe				X												X					1	
253 W2	↓	9:25	↓				X												X					1	
253 W3	↓	9:30	↓				X												X					1	
253 W4	↓	9:35	↓				X												X					1	
253 W5	↓	9:40	↓				X												X					1	
																								10	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)

Soil VOCs Only) (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	6/10/16 14:32	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:

Site # 5096

Client / Reporting Information

Company Name: Triton Env. Inc.
Address: 385 Church ST
City: Guilford State: CT Zip:
Report To: Brian Sirowich E-mail: bsirowich@triton...
Phone #: 203-458-7200 Fax #:

Project Information

Project Contact: Brian S PO #: 104318.38
Project: 253 Adams St Project #: 104318.38
Location: Bridgeport Collector(s): BNS

QA/QC: ☒ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg * ☐ DQAW *
Data Report: ☒ PDF ☐ EDD - Specify Format ☐ Other
RSR Reporting Limits (check one): ☐ GA ☐ GB ☐ SWP ☐ Other
Laboratory Certification Needed (check one): ☒ CT ☐ NY ☐ RI ☐ MA
Temp Upon Receipt: 14.8 °C Evidence of Cooling: Y (N)
SHEET 1 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 06/14

6020189

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, 624, CT ETPH, 8270 CT List, 8270 PNAs, PCBs, Pesticides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL Lead, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix	Turnaround	Organics	Metals	Additional Analysis	TOTAL # OF CONT.	NOTE #
253 W6	NA	2/10 9:45	Wipe	Std		TOTAL Lead X		1	
253 W7		9:50				X		1	
253 W8		9:55				X		1	
255 W1		10:00				X		1	
255 W2		10:05				X		1	
255 W3		10:10				X		1	
255 W4		10:15				X		1	
255 W5		10:20				X		1	
255 W7		10:25				X		1	
255 W8	↓	10:30	↓	↓		X		1	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)

Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore)

TOTAL # OF CONT.	NOTE #
10	

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	2/10/16 14:32	[signature]
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:

Same as Previous

Client / Reporting Information

Company Name
Address Same as Previous
City State Zip
Report To: E-mail
Phone # Fax #

Project Information

Project Contact: PO #:
Project: Project #:
Location: Collector(s):

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg * ☐ DQAW *

Data Report ☐ PDF ☐ EDD - Specify Format ☐ Other

RSR Reporting Limits (check one) ☐ GA ☐ GB ☐ SWP ☐ Other

Laboratory Certification Needed (check one) ☐ CT ☒ NY ☐ RI ☐ MA

Temp Upon Receipt 14.8 °C Evidence of Cooling: Y (N)

SHEET 2 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 06/14

EMSL Analytical, Inc.

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

EMSL Order: 041603464
Customer ID: TRIT52
Customer PO: 104318.38
Project ID:

Attention: Brian Sirowich
Triton Environmental, Inc.
385 Church Street
Suite 201
Guilford, CT 06437
Project: 104318.38

Phone: (203) 458-7200
Fax: (203) 458-7201
Received Date: 02/13/2016 11:00 AM
Analysis Date: 02/20/2016
Collected Date: 02/10/2016

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S1 *041603464-0001*	Rear Porch Roofing - Black Roof Caulk	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
S2 *041603464-0002*	Rear Porch Roofing - Green/White Roofing Shingle	White/Black/Green Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
S3 *041603464-0003*	Rear Porch Roofing - Green/White Roofing Shingle	White/Black/Green Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
S4 *041603464-0004*	Rear Porch Roofing - Green/White Roofing Shingle	White/Black/Green Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
S5 *041603464-0005*	Rear Porch Roofing - Lower Roof Layer	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
S6 *041603464-0006*	1st Floor Porch Roofing - White Roof Shingle	White/Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
S7 *041603464-0007*	1st Floor Porch Roofing - White Roof Shingle	White/Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
S8 *041603464-0008*	1st Floor Porch Roofing - White Roof Shingle	White/Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
S9 *041603464-0009*	1st Floor Porch Roofing - Lower Layer	Black Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
S10 *041603464-0010*	1st Floor Porch Roofing - Tan Caulk	Tan/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
S11 *041603464-0011*	Attic - Pink Fiberglass and Paper	Brown/Black/Pink Fibrous Homogeneous	25% Cellulose 30% Glass	45% Non-fibrous (Other)	None Detected
S12 *041603464-0012*	Attic - Pink Fiberglass and Paper	Brown/Black/Pink Fibrous Homogeneous	25% Cellulose 30% Glass	45% Non-fibrous (Other)	None Detected
S13 *041603464-0013*	Attic - Pink Fiberglass and Paper	Brown/Black/Pink Fibrous Homogeneous	40% Cellulose 40% Glass	20% Non-fibrous (Other)	None Detected
S14 *041603464-0014*	Attic - Yellow Fiberglass and Paper	Brown/Yellow Non-Fibrous Homogeneous	25% Cellulose 35% Glass	40% Non-fibrous (Other)	None Detected
S15 *041603464-0015*	Attic - Yellow Fiberglass and Paper	Brown/Yellow Fibrous Homogeneous	25% Cellulose 40% Glass	35% Non-fibrous (Other)	None Detected
S16 *041603464-0016*	Attic - Yellow Fiberglass and Paper	Brown/Yellow Fibrous Homogeneous	35% Cellulose 50% Glass	15% Non-fibrous (Other)	None Detected

Initial Report From: 02/22/2016 06:17:24

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

EMSL Order: 041603464
Customer ID: TRIT52
Customer PO: 104318.38
Project ID:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
S17 *041603464-0017*	Upper Roof - Upper Roof Shingle Layer	Black/Green Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
S18 *041603464-0018*	Upper Roof - Upper Roof Shingle Layer	Black/Green Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
S19 *041603464-0019*	Upper Roof - Upper Roof Shingle Layer	White/Black/Green Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected
S20 *041603464-0020*	Upper Roof - Lower Roof Shingle Layer	Black Non-Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
S21 *041603464-0021*	Upper Roof - Lower Roof Shingle Layer	Black Non-Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
S22 *041603464-0022*	Upper Roof - Lower Roof Shingle Layer	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (Other)	None Detected

Analyst(s)

Juli Patel (6)
Keishla Vazquez Caraballo (16)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Initial Report From: 02/22/2016 06:17:24

OrderID: 041603464

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077
PHONE 1-800-220-3675
FAX: (856) 786-5974

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041603464

Company : Triton Environmental, Inc.		**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*	
Street: 385 Church Street Suite 201			
City: Guilford	**State/Province:** CT	**Zip/Postal Code:** 06437	**Country:** United States
Report To (Name): Brian Sirowich		**Telephone #:** 203-458-7200	
Email Address: bsirowich@tritonenvironmental.com		**Fax #:** 203-458-7201	**Purchase Order:** 104318.38
Project Name/Number: 104318.38		**Please Provide Results:** ☐ Fax ☑ Email ☐ Mail	
U.S. State Samples Taken: CT		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☐ 72 Hour | ☐ 96 Hour | ☒ 1 Week | ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☒ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 2/10/16

Samplers Name: Brian Sirowich **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description
S1	1	Rear Porch Roof	Black Roof Caulk
S2-S4	2	" " "	Green/White Roof Shingle
S5	3	" " "	Lower Roof Layer.
S6-S8	4	1st Floor Porch Roof	White Roof Shingle
S9	5	" " " "	Lower Layer
S10	6	" " " "	Tan Caulk
S11-S13	7	Attic	Pink Fiberglass & Paper
S14-S16	8	"	Yellow " "
S17-S19	9	Upper ~~Roof~~ Roof	Upper Roof Shingle Layer
S20-S22	10	" "	Lower Roof Shingle Layer

Client Sample # (s): S1 - S22 **Total # of Samples:** 22 minimum

Relinquished (Client): **Date:** 2/11/16 **Time:** 2:00

Received (Lab): DMB-FX **Date:** 2-13-16 **Time:** 11A

Comments/Special Instructions:

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-0327
http://www.EMSL.com cinnaminsonradonlab@emsl.com

EMSL Order: 381601228
CustomerID: TRIT52
CustomerPO:
ProjectID:

Attn: **Dave Vasiliou**
Triton Environmental, Inc.
385 Church Street Ste. 201
Guilford, CT 06437

Phone: (203) 458-7200
Fax: (203) 458-7201
Received: 02/16/16 12:25 PM
Analysis Date: 2/17/2016
Collected: 2/10/2016

Project: **253 Adams Street**

Test Site: **Property Owner**
253 Adams Street
Bridgeport, CT 06607

Test Report: Radon in Air Test Results

Samples for EMSL Kit 137991

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
233822	First Floor - Hall	-0.2	2/10/2016	2/12/2016	58	30	Customer
381601228-0001			1:00:00 PM	2:15:00 PM			
Sample Notes:							
233797	First Floor - Hall	0.1	2/10/2016	2/12/2016	58	30	Customer
381601228-0002			1:00:00 PM	2:15:00 PM			
Sample Notes:							
Summary for EMSL kit 137991			**Average Radon Result:**	**-0.1 pCi/L**			

The results indicate that both testing devices registered below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.
The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kathryn Lickfield (2)

Laura Freeman, Interim Laboratory Manager &
Subash Rashat, New Jersey Radiation Specialist NJ MES 10152
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ Accreditations: NRSB ARL6006, NJ DEP 03036, MEB 92525, PA 2573, IN 00455, IA L00032, RI RAS-024, ME 20200C, NE RMB-1083, NY ELAP 10872, NM 885-10L, FL RB2034, OH RL-39, NRPP #106178AL, KS-LB-0005. Subash Rashat certification #MES10152

Initial report from 02/22/2016 14:59:13

Please visit www.radontestinglab.com

OrderID: 381601228

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Tel: 800-220-3675 Fax: 856-786-0327
www.radontestinglab.com

381601228

RECEIVED
EMSL
CINNAMINSON N.J.
2016 FEB 16 P 12:23

DOM: 12/12/2015
EXP: 12/12/2016

#4

TRITEX
5 day

Radon In Air Data Sheet

Send Written Report To:

Name David Vusilico
Address 385 Church ST
City ~~Eaton~~ Guilford State CT Zip
Phone 203-458-7200 Fax
Email dvusilico@titanenvironmental.com
Technician Name Brian Siconick
Technician Certification #
Technician Signature

1ST RED VIAL # 233822

LOCATION

☐ Basement ☒ First Floor ☐ Bedroom ☐ Den
☐ Living Room ☐ Other Hall
☐ Location in Room

2ND RED VIAL # 233797 Same
(If Purchased)

The device has been scientifically tested to provide reliable indoor radon measurements when exposed to temperatures between 60 and 80 degrees F; temperatures outside this range will invalidate the test results.

Kit # 137991 (Outside of Box)

Property Tested:

Name
Address 253 Adams ST
City Bridgeport
Municipality County Fairfield
State CT Zip 06607 (Dan)
☐ Check here if this is a Post Mitigation test.
Technician Name
Technician Certification #
Technician Signature

INDOOR CONDITIONS

Temperature 58° °F Humidity 30 %

EXPOSURE PERIOD

Beginning Date: 2 / 10 / 16
Time: 1:00 AM / PM (Circle)

Ending Date: 2 / 12 / 16
Time: 2:15 AM / PM (Circle)

Tear Here

The test device must remain open for 48 to 96 hours • Return this section with the test device to the laboratory