NEPA ENVIRONMENTAL REVIEW REPORT

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

Site ID No. 2097
3 Weed Circle
Stamford, Connecticut

July 2014

Ref. No. 104318/13/R01

Prepared for:

Merritt Construction Services, Inc.
1177 High Ridge Road
Stamford, CT 06905

Prepared by:

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Environmental Consulting & Engineering

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TABLE OF CONTENTS

FIGURES

TABLE OF CONTENTS (continued)

APPENDICES

1.0 - INTRODUCTION

Triton Environmental, Inc. (Triton) has prepared this National Environmental Policy Act (NEPA) evaluation for the property located at 3 Weed Circle in Stamford, Connecticut (the site) on behalf of Merritt Construction Services, Inc. (Merritt). The location of the site is depicted on Figure 1. The NEPA review is being 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 of applicable properties 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 single level home includes a finished basement that was reportedly flooded with 4.5 feet of water during the storm. The proposed work plan for the site includes raising the structure above the flood zone at its current location. As such, the work zone as described by Merritt consists of the interior of the basement of the dwelling and the garage which is attached to the basement.

2.0 - PRELIMINARY INSPECTION AND RESOURCE REVIEW

2.1 - Preliminary Site Inspection

As a preliminary step in the NEPA evaluation, Triton completed an initial inspection of the site, focused on the work zone described in Section 1.1. The inspection was completed on April 23, 2014, by Mr. Mark Paulsson of Triton, accompanied by Mr. Andrew Peters of Merritt.

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

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 Stamford Zoning Commission (unless otherwise exempted). It is our understanding that DEEP has approved a Flood Management Certificate (No. 201405290-FM) for all CBDG-DR projects. Work shall be conducted in accordance with the conditions of the certificate.

2.2.2 - Lead Based Paint (Item 13C)

Based on the site inspection, potential lead based paint was observed within the work zone.

2.2.3 - Asbestos Containing Materials (Item 13D)

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

2.2.4 - Radon (Item 13E)

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

2.2.5 - 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 issues 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 OSHA requirements. In addition, the structure was reportedly constructed prior to 1978 and based on information provided by Merritt, the anticipated 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 Community Development (HUD) Lead Safe Housing Rule (24 CFR 35). The inspection and 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 was described by Merritt considered to be the basement of the dwelling and the garage which is attached to the basement. XRF readings were taken at a total of 38 locations of 19 distinct building materials in the work zone. Appendix C contains a spreadsheet summarizing the results. The results of the XRF testing indicate that none of the painted building materials screened within the work zone contained lead concentrations greater than the action level of 1 mg/cm^2 (0.5% by weight).

3.1.2 - Lead Hazard Risk Assessment

The structure was reportedly constructed prior to 1978, and according to Merritt, the anticipated 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 Community Development (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 bedroom, single family residential house constructed in 1955. The site is owned by Andree Kaminsky. There are currently two full time occupants of the house and reportedly no children under the age of six reside there on a full or 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, less than two items were checked as "Yes" in Form 5.1, indicating that (for the purposes of a risk assessment) the dwelling is considered to be in good condition.

A 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;
- 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	Garage exterior window components (C side window) and enclosed porch exterior window trim
Dust Accumulations	Yes	Carpets, window sills, tile and wood flooring, and painted concrete
Bare Soil	Yes	In Yard (3 spots)
Impact/Friction Surfaces	No	
Chewing 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 X-Ray Fluorescence (XRF). The survey was completed by a Connecticut certified lead paint inspector. 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: porch windows, and the garage window.

3.1.2.3 - Dust Sampling

A total of nine dust wipe samples were collected during the risk assessment. The dust samples collected are summarized in Form 5.4 “Field Sampling Form for Dust” provided in Appendix C. As indicated on Form 5.4, none of the dust samples exhibited concentrations in excess of applicable HUD action levels. The laboratory analytical report is included in Appendix E.

3.1.2.4 - Soil Sampling

As indicated in Section 2.2, bare soil areas were identified in the following locations at the residence: the drip line of the dwelling (SS-1), two landscaped areas (SS-2 and SS-3), and three bare spots in the yard (SS-4 through SS-6).

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 cleaned 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 concentrations in the soil samples were below the HUD interim standard of 400 mg/kg. The laboratory analytical report is included in Appendix E.

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 which are not disturbed as part of the rehabilitation).

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 describe above, lead hazards were identified in the following areas:

- Hazard A - lead levels exceeding 1 mg/cm^2 in deteriorated paint on exterior of the enclosed porch windows (exterior trim) on the C side, and the C-side garage window (trim, sash, and sill).

Although permanent abatement of the exterior paint associated with Hazard A could be completed (paint removal, building component removal, or permanent enclosure) the regulations allow for interim control options which include paint film stabilization.

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

over time. If the rehabilitation activities will disturb the exterior porch and garage windows, then abatement methods should be used (rather than interim controls).

3.2 - Asbestos Sampling

An asbestos survey was completed for the work zone on May 21, 2014. 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 inspector, to identify suspect ACM. Once the location and quantity of each suspect ACM was documented, up to three representative samples of each suspect material was 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 19 samples were collected from seven homogeneous building materials within the work zone. Some samples were further subdivided at the laboratory for discrete testing resulting in the reporting of 28 results. The results indicated that asbestos greater than 1% was identified in certain building materials, which are summarized in the following table. As shown below, pipe wrapping in the basement and garage both contain approximately 60% chrysotile.

Material	Location	Approx. Quantity	Condition	% Chrysotile
Pipe wrap	Basement and garage	25 LF	Good	60%

A roster of the building materials suspected of containing asbestos (and subsequent samples) is attached as Appendix D. The laboratory analytical report is attached as 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 (basement). Two radon test kits were deployed (a sample and a duplicate) at the lowest level of the building on May 21, 2014 and allowed to sample radon levels for approximately 48 hours. The EPA has established the guideline of 4 pCi/L as an "elevated" indoor radon level. The laboratory indicated results of 1.5 pCi/L and 1.5 pCi/L for the subject site, both of which are below the EPA guideline of 4.0 pCi/L. Laboratory analytical results are attached in Appendix E.

3.4 - PCB Sampling

Caulk/sealant sampling was conducted by Triton on May 21, 2014. Prior to sampling, Triton conducted a visual survey of the work zone for potentially PCB containing caulks and sealants. A sampling plan was then developed in order to collect a set of samples that were representative of the various materials observed. Where a significant number of homogeneous window units are present, the USEPA recommends that a minimum of 5% of windows be sampled to generate a statistically significant data set for each sealant type.

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)
Window caulk	Laundry	2	1

As indicated, one sample was collected from the work zone that is believed to provide a representative evaluation of the potentially PCB-containing material observed. The sample was collected using hand tools (e.g. utility knife). Sampling was completed for purposes of:

(1) identifying representative samples, (2) visually inspecting the windows miscellaneous materials, and (3) obtaining representative samples for laboratory analyses. The sample was analyzed for PCBs by EPA Method 8082 (using the soxhlet extraction method).

PCBs were detected in the PCB-1 sample collected from the window caulk sealant within the washroom at a concentration of 1.4 mg/kg. The laboratory analytical testing data is provided in Appendix E.

3.5 - Mold Inspection

Triton completed a visual mold inspection of the work area on May 21, 2014. Mold was observed on wood paneling walls through the basement and above the drop ceiling panels on the wooden rafters in the basement. Although not directly observed, it is likely that mold is present on both wooden surfaces and insulation behind walls in the basement. 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, PCBs, 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

XRF testing completed for the work zone (interior of the basement and garage) did not identify surfaces containing lead based paint.

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 enclosed porch windows as well as all of the exterior components of the garage windows. Given that the overall level of anticipated funding for this project exceeds $25,000.00, interim controls are required for these exterior hazards. 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 exterior garage and porch windows is disturbed or deteriorated, full abatement will be needed (paint removal or building component removal). 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 testing of leachable lead using the Toxicity Characteristic Leaching Procedure (TCLP) will be needed (to be collected by Triton) to characterize any waste stream for disposal. The abatement contractor must provide credentials/adequate qualification documentation and a work plan for abatement work with its 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 25 linear feet of asbestos containing pipe wrap was identified in basement and garage. To be protective of the health of occupants, this material will require removal 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 work with its bid for review by Merritt and Triton.

4.3 - PCB Abatement

Two windows were identified in the laundry room that contains PCBs in the caulking based on the representative sampling. The laundry room is located in the basement, which will be abandoned following raising of the dwelling. Therefore, abatement to specifically be protective of the health of occupants from this material will not be required. However, removal and proper disposal at landfill permitted to accept PCBs at concentrations greater than 1 mg/kg will be required as a component of demolition of the basement. All disposal activities must be conducted in accordance with local, state, and federal regulations including, but not limited to handling and transportation. Based on the testing conducted, the window caulk is not believed to be PCB bulk product waste and is considered an excluded PCB product under the Toxic Substances Control Act (TSCA). Therefore, this material is not believed to be subject to federal TSCA regulations. However, the Connecticut Department of Energy and Environmental Protection (DEEP) regulates PCBs under Sections 22a-463

through 22a-469 of the Connecticut General Statutes. Waste materials must also be properly disposed of at an appropriately permitted disposal facility. It is also critical to avoid a "release" of PCB to the environment during the process. The disposal contractor must provide credentials/adequate qualification documentation and a work plan for removal and disposal with its bid for review by Merritt and Triton. Following removal of the PCB containing materials, confirmatory testing of adjacent porous surfaces and indoor air will be conducted by Trion to verify remaining concentrations.

4.4 - Mold Abatement

Mold was observed within the work zone on wood paneled walls and on the wooden rafters above the drop ceiling panels in the basement, which was flooded. Mold may be present in other interior areas that could not be observed during the inspection (i.e. behind walls). Due to the intended demolition of the basement, abatement of the mold on (and possibly within) the walls will not be required. However, mold on the ceiling rafters that will remain following raising 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 work with its 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. 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 Stamford Zoning Commission (unless otherwise exempted). It is our understanding that DEEP has approved a Flood Management Certificate (No. 201405290-FM) for all CBDG-DR projects. Work shall be conducted in accordance with the conditions of the certificate.

2. Lead Based Paint - Based on the work zone lead inspection, lead paint was not identified within the work zone (interior of garage and basement). However, the lead hazard risk assessment identified a lead hazard on the exterior windows at the enclosed porch and the C-side garage window. 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 the exterior windows 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 and disposed of at appropriately permitted facilities.

3. Asbestos Containing Materials (ACM) - Based on the results of the asbestos survey and testing, the pipe wrap in the garage and basement was identified as an ACM containing asbestos greater than 1%. If this material will be disturbed, it appears that the asbestos containing pipe wrap 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 other 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.

4. Polychlorinated Biphenyls (PCBs) – One window caulk sample was collected representative of the homogeneous caulk materials in the laundry room and analyzed for PCB content. Based on the analytical testing, the sample contained detectable concentrations of PCBs greater than 1 mg/kg. The detected concentration indicates that the window caulking must be disposed of in a landfill permitted to accept PCBs at these concentrations. To be protective of occupants, any waste materials generated during the renovations that were in direct contact with the PCB-containing window caulk should also be assumed to be PCB-containing and disposed of at a permitted landfill. Given that DEEP regulations govern the “release” of PCBs to the environment, the removal of the

PCB containing caulk/sealants should be performed in a manner that prevents releases (to air, soil, or other media) and to mitigate health and safety concerns. Given the presence of PCBs in excess of the DEEP residential standard of 1.0 mg/kg, sampling of soil around the structure is recommended.

5. Mold – Mold was observed on wood paneled walls and on the ceiling rafters above the drop ceiling in the basement 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 ceiling rafters must be abated by a qualified contractor. 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 emergency 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.

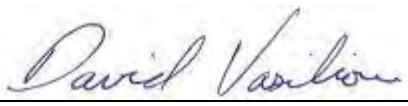
All abatement/renovation activities should be conducted in accordance with all applicable local, state, and federal regulations and Occupational Safety and Health Association (OSHA) guidelines.

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 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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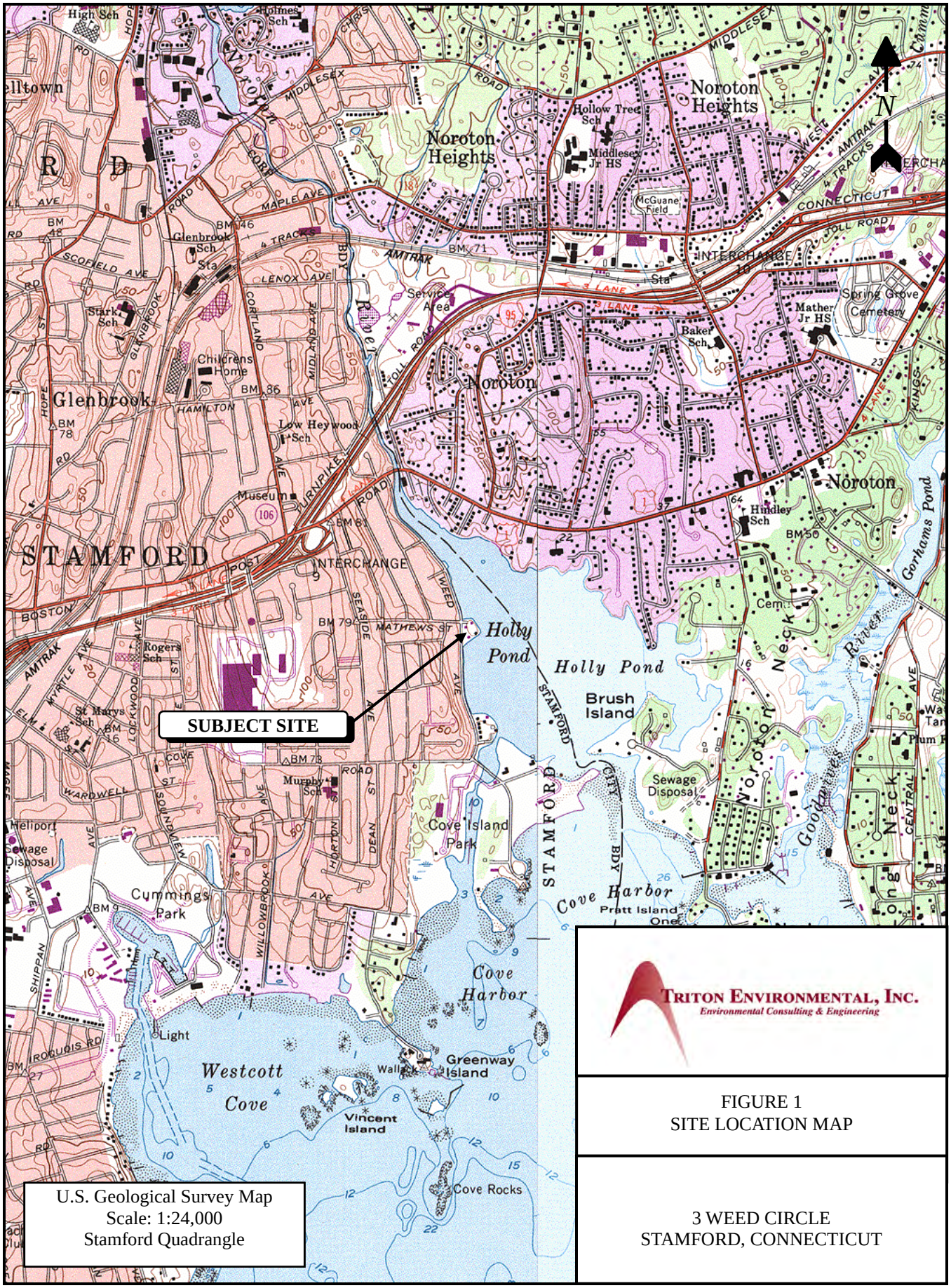
Senior Project Manager

J. Carver Glezen, LEP
Senior Vice President

Christopher E. Marchesi
President

FIGURES

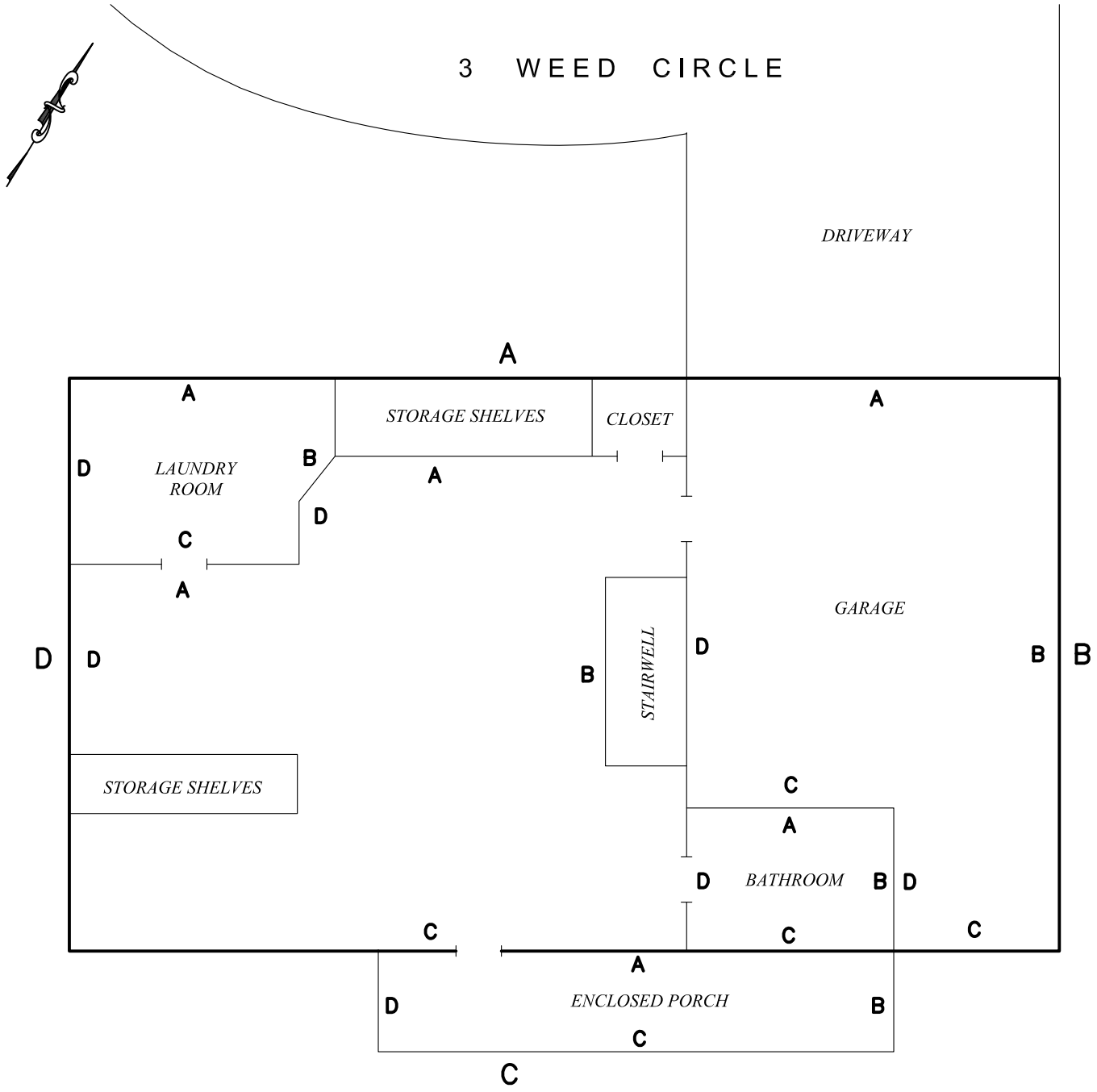


U.S. Geological Survey Map
Scale: 1:24,000
Stamford Quadrangle

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

FIGURE 1
SITE LOCATION MAP

3 WEED CIRCLE
STAMFORD, CONNECTICUT



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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FIGURE 2

SITE DIAGRAM

APPLICANT #2097
3 WEED CIRCLE
STAMFORD, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 6/3/14	SCALE: N.T.S.	FILE No.:104318–3WEED

P:\CAD\DRAWINGS\104000\104318\FIGURES\3 WEED CIRCLE\104318–3WEED.DWG
Layout: Layout1

Appendix A

Public Resource Maps

Department of Economic and Community Development

Connecticut
still revolutionary

2097-50

April 17, 2014

received
4-23-14

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

Subject: Department of Housing Superstorm Sandy Reviews
3 Weed Circle
Stamford, Connecticut

Dear Ms. Delaire:

The State Historic Preservation Office has reviewed the information submitted for the above-named pursuant to the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended. It is the opinion of this office that the property located at 3 Weed Circle does not appear to be eligible for listing on the National Register of Historic Places. Based on the information provided to this office, no historic properties will be affected by the proposed structural repairs.

This office appreciates the opportunity to review and comment upon this project. For additional information, please contact Catherine Labadia, Environmental Reviewer, at (860) 256-2764 or catherine.labadia@ct.gov.

Sincerely,

Daniel T. Forrest
State Historic Preservation Officer

United States Department of the Interior

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

Consultation Tracking Number: 05E1NE00-2014-SLI-0383 June 06, 2014
Project Name: #2097 3 Weed Circle, Stamford, CT

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment

United States Department of Interior
Fish and Wildlife Service

Project name: #2097 3 Weed Circle, Stamford, CT

Official Species List

Provided by:

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

Consultation Tracking Number: 05E1NE00-2014-SLI-0383
Project Type: ** Other **
Project Description: Raising of structure above flood zone and demolition of basement.

Project Location Map:

Project Coordinates: MULTIPOLYGON (((-73.5030772 41.0546639, -73.5028253 41.0544535, -73.5033618 41.0541704, -73.5035924 41.0544738, -73.5030772 41.0546639)))

Project Counties: Fairfield, CT

United States Department of Interior
Fish and Wildlife Service

Project name: #2097 3 Weed Circle, Stamford, CT

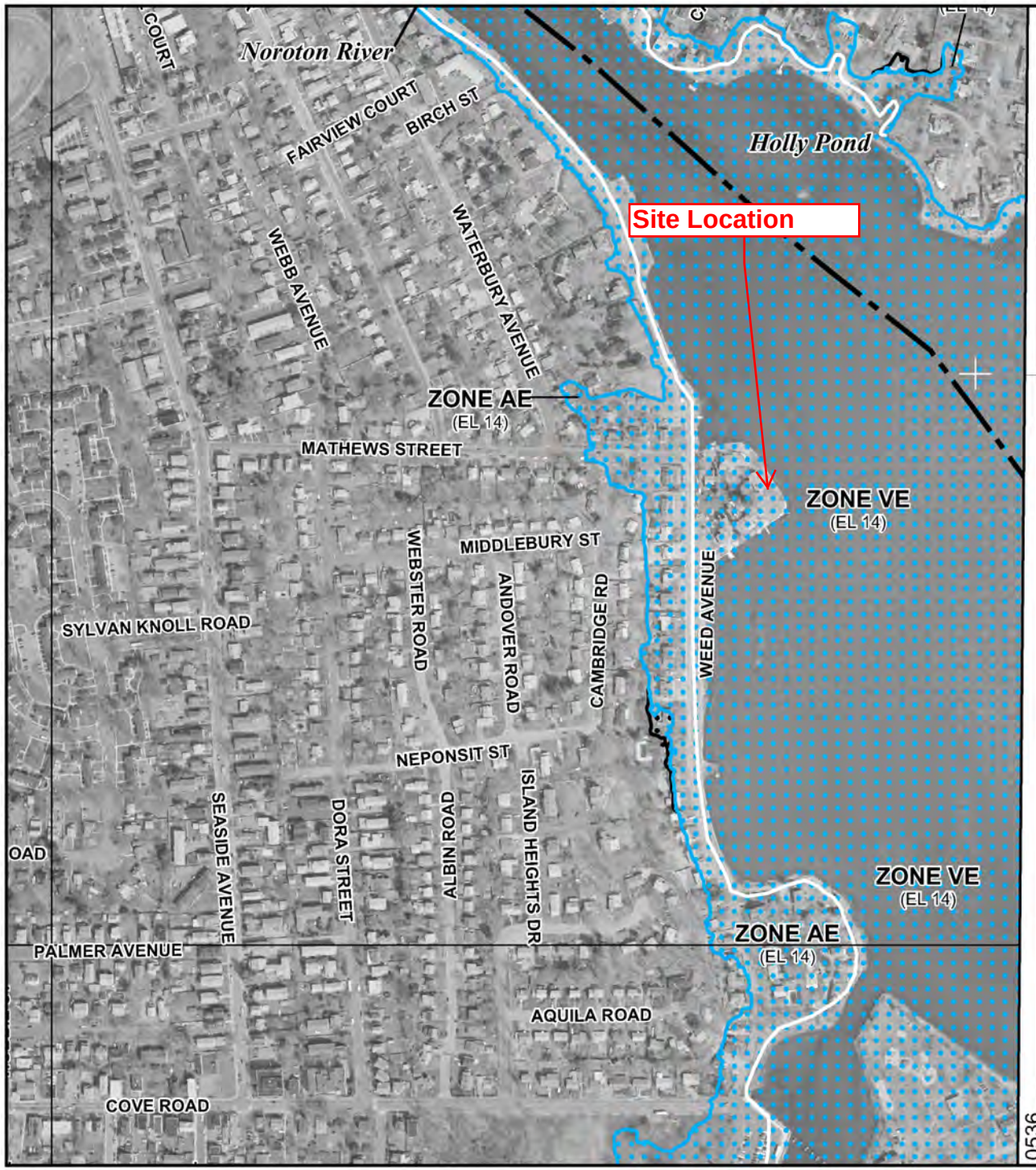
Endangered Species Act Species List

There are a total of 0 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed on the **Has Critical Habitat** lines may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.

Critical habitats that lie within your project area

There are no critical habitats within your project area.



MAP SCALE 1" = 500'

250 0 500 1000

FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0517G

FIRM

FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY, CONNECTICUT

(ALL JURISDICTIONS)

PANEL 517 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DARIEN, TOWN OF	090005	0517	G
STAMFORD, CITY OF	090015	0517	G

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

MAP NUMBER
09001C0517G

MAP REVISED
JULY 8, 2013

Federal Emergency Management Agency

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

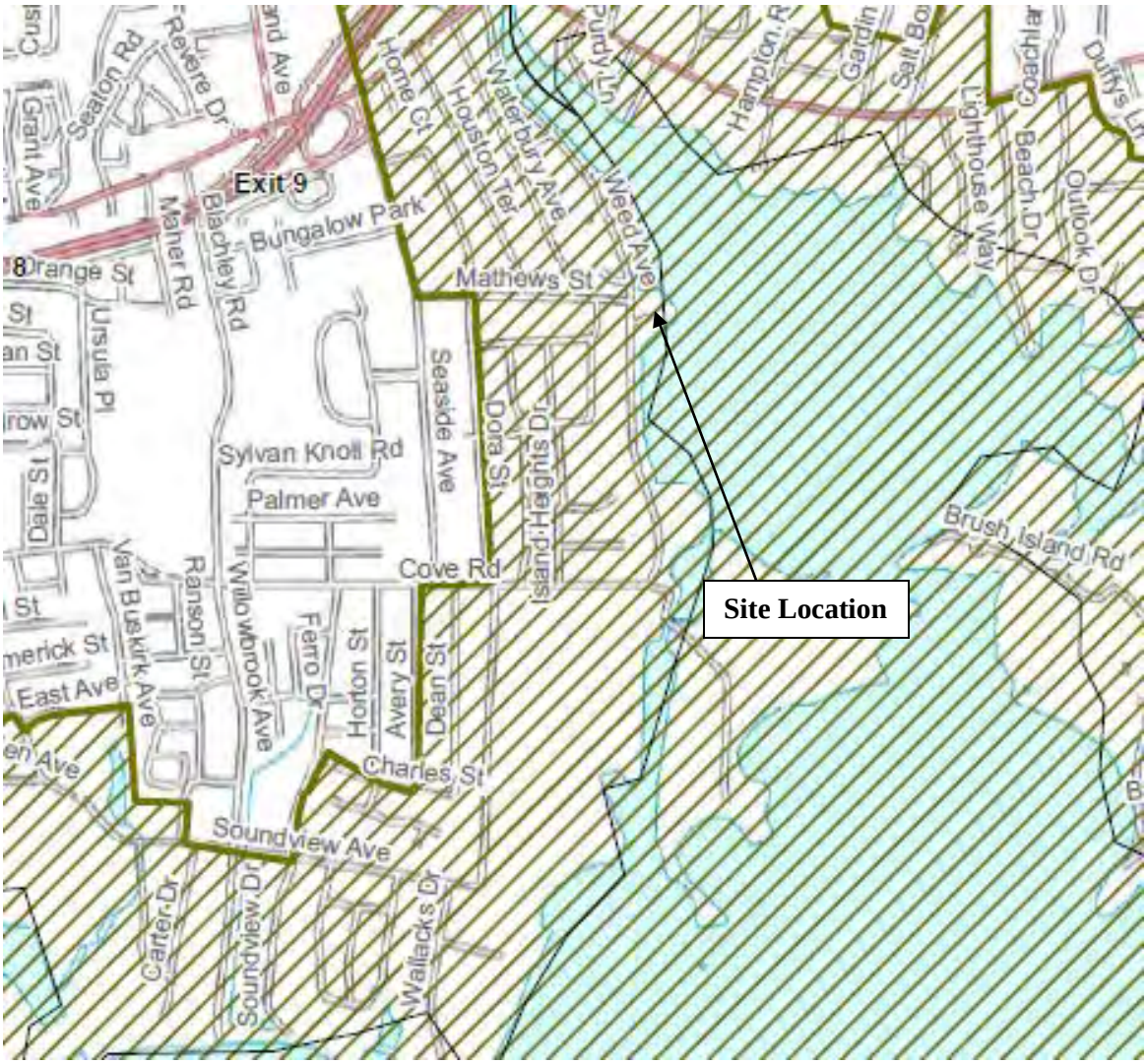
0536

Aquifer Protection Area Map
(December 16, 2013)

3 Weed Circle
Stamford, CT

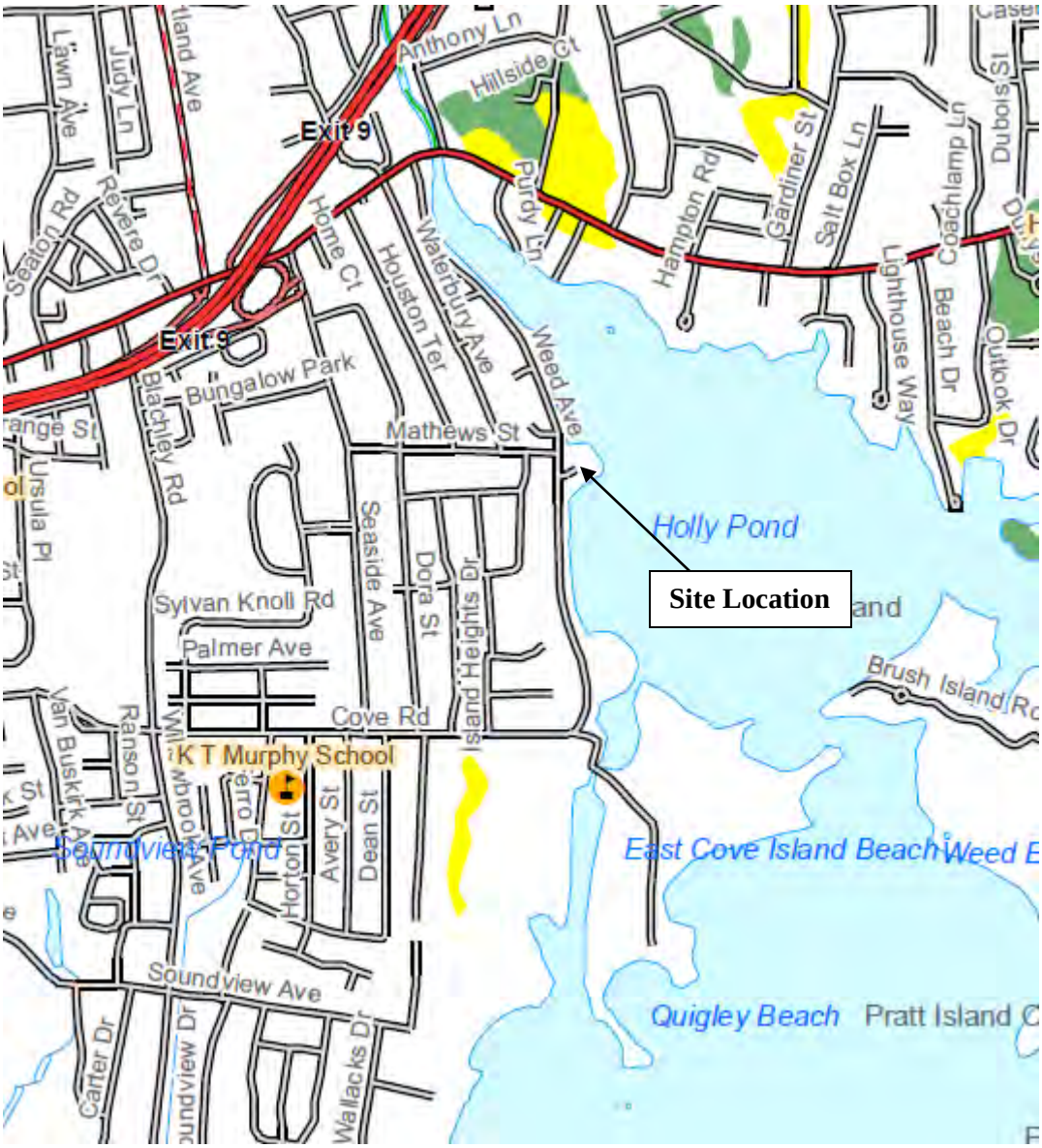
Coastal Boundary Map
(January 2013)

3 Weed Circle
Stamford, CT



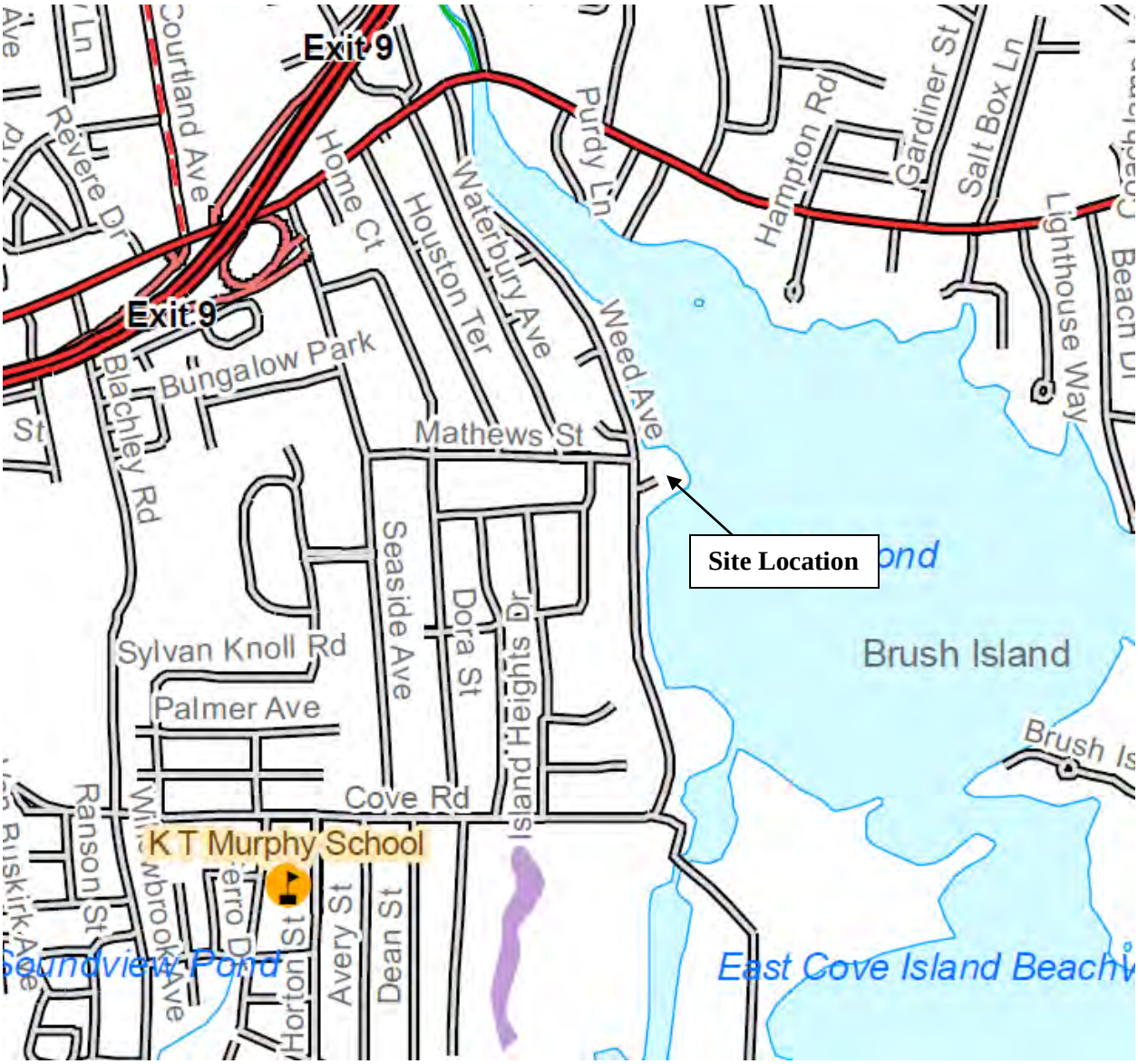
Farmland Soil Map
(April 2011)

3 Weed Circle
Stamford, CT



Inland Wetland Soil Map
(October 2009)

3 Weed Circle
Stamford, CT



Inland Wetland Soil Map – Stamford
(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

Natural Diversity Database Map
(December 2013)

3 Weed Circle
Stamford, CT

State and Federal Listed Species
& Significant Natural Communities

Appendix B

Photographs of Work Area and Mold Inspection Photographs

Photograph 1
Dwelling at 3 Weed Circle

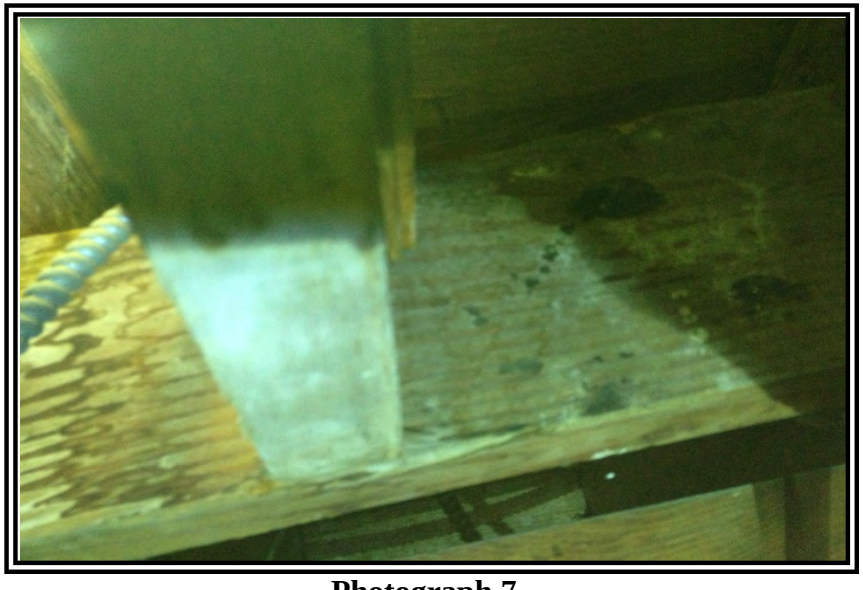
Photograph 2
Asbestos containing pipe wrap

Photograph 3
Lead containing paint on enclosed porch

Photograph 4
PCB containing window caulk

Photograph 5
Mold on wood paneling in basement

Photograph 6
Mold on wood paneling in basement



Photograph 7
Mold on basement ceiling rafters

Photograph 8
Mold on basement ceiling rafters

Appendix C

Lead Risk Assessment and Inspection Forms

XRF Lead Testing Data
3 Weed Circle, Stamford, CT
#2097

Reading No	Time	Type	Duration	Units	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Misc 1	Results	Depth Index	Action Level	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
690	5/21/2014 12:50	PAINT	1.11	mg / cm ^2	WALL	WOOD	A	INTACT	WHITE	2097	BASEMENT	main		Negative	1.44	1	0.04	0.12	0.04	0.12	0.19	1.76
691	5/21/2014 12:51	PAINT	2.79	mg / cm ^2	WALL	DRYWALL	B	INTACT	wallpaper	2097	BASEMENT	main		Negative	1	1	0	0.02	0	0.02	0.19	1.4
692	5/21/2014 12:52	PAINT	1.12	mg / cm ^2	WALL	WOOD	C	INTACT	WHITE	2097	BASEMENT	main		Negative	4.87	1	0.08	0.36	0.08	0.36	0.02	1.97
693	5/21/2014 12:52	PAINT	1.12	mg / cm ^2	WALL	WOOD	C	INTACT	WHITE	2097	BASEMENT	main		Negative	1	1	0.02	0.07	0.02	0.07	-0.12	1.74
694	5/21/2014 12:52	PAINT	1.12	mg / cm ^2	WALL	WOOD	D	INTACT	WHITE	2097	BASEMENT	main		Negative	1.28	1	0.01	0.06	0.01	0.06	-0.12	2
695	5/21/2014 12:53	PAINT	3.36	mg / cm ^2	FLOOR	CONCRETE	D	INTACT	gray	2097	BASEMENT	main		Negative	1.53	1	0.04	0.04	0.04	0.04	0.14	1.02
696	5/21/2014 12:54	PAINT	1.12	mg / cm ^2	FLOOR	2x4 ACT	D	INTACT	WHITE	2097	BASEMENT	main		Negative	1.91	1	0.03	0.08	0.03	0.08	-0.01	0.94
697	5/21/2014 12:55	PAINT	1.12	mg / cm ^2	DOOR	WOOD	B	INTACT	BROWN	2097	BASEMENT	main		Negative	1.69	1	0.17	0.26	0.17	0.26	-0.22	2.24
698	5/21/2014 12:56	PAINT	1.12	mg / cm ^2	DOOR	WOOD	B	INTACT	BROWN	2097	BASEMENT	main	TRIM	Negative	1.98	1	0.2	0.23	0.2	0.23	-0.26	2.38
699	5/21/2014 12:57	PAINT	1.12	mg / cm ^2	WINDOW	WOOD	C	INTACT	WHITE	2097	BASEMENT	main	TRIM	Negative	1	1	0.01	0.04	0.01	0.04	0.07	2.31
700	5/21/2014 12:58	PAINT	1.12	mg / cm ^2	WINDOW	WOOD	D	INTACT	WHITE	2097	BASEMENT	main	TRIM	Negative	4.25	1	0.09	0.34	0.09	0.34	0.05	2.07
701	5/21/2014 12:58	PAINT	1.12	mg / cm ^2	WINDOW	WOOD	D	INTACT	WHITE	2097	BASEMENT	main		Negative	4.99	1	0.08	0.35	0.08	0.35	-0.04	1.92
702	5/21/2014 12:58	PAINT	1.12	mg / cm ^2	WINDOW	WOOD	D	INTACT	WHITE	2097	BASEMENT	main		Negative	1.22	1	0.02	0.09	0.02	0.09	-0.1	1.79
703	5/21/2014 12:59	PAINT	2.79	mg / cm ^2	WALL	METAL	A	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.02	0	0.02	0.19	1.34
704	5/21/2014 13:00	PAINT	1.67	mg / cm ^2	WALL	METAL	B	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.02	0	0.02	-0.14	1.73
705	5/21/2014 13:00	PAINT	2.8	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.02	0	0.02	0.29	1.35
706	5/21/2014 13:00	PAINT	1.68	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.02	0	0.02	-0.66	1.88
707	5/21/2014 13:01	PAINT	1.67	mg / cm ^2	CEILING	DRYWALL	D	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.02	0	0.02	0.06	1.44
708	5/21/2014 13:02	PAINT	1.13	mg / cm ^2	DOOR	WOOD	D	INTACT	WHITE	2097	BASEMENT	BATHROOM		Negative	1	1	0	0.03	0	0.03	0.16	1.17
709	5/21/2014 13:04	PAINT	2.8	mg / cm ^2	WALL	CONCRETE	A	INTACT	purple	2097	BASEMENT	laundry		Negative	3.56	1	0.02	0.06	0.02	0.06	-0.17	1.65
710	5/21/2014 13:04	PAINT	2.23	mg / cm ^2	WALL	CONCRETE	B	INTACT	purple	2097	BASEMENT	laundry		Negative	7.61	1	0.08	0.24	0.08	0.24	-0.33	1.95
711	5/21/2014 13:04	PAINT	1.67	mg / cm ^2	WALL	CONCRETE	C	INTACT	purple	2097	BASEMENT	laundry		Negative	1	1	0	0.02	0	0.02	-0.57	2.13
713	5/21/2014 13:05	PAINT	1.68	mg / cm ^2	CEILING	CONCRETE	D	INTACT	WHITE	2097	BASEMENT	laundry		Negative	1.24	1	0.01	0.03	0.01	0.03	-0.48	1.96
714	5/21/2014 13:06	PAINT	1.12	mg / cm ^2	FLOOR	CONCRETE	D	INTACT	gray	2097	BASEMENT	laundry		Negative	1.07	1	0.01	0.03	0.01	0.03	-1.14	2.76
715	5/21/2014 13:07	PAINT	1.68	mg / cm ^2	WALL	DRYWALL	C	INTACT	WHITE	2097	BASEMENT	HALL		Negative	1	1	0	0.02	0	0.02	-0.62	1.7
716	5/21/2014 13:09	PAINT	2.24	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	1.34	1	0.01	0.03	0.01	0.03	-0.29	1.91
719	5/21/2014 13:11	PAINT	1.68	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	2.67	1	0.02	0.07	0.02	0.07	-0.46	2.16
720	5/21/2014 13:11	PAINT	1.67	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	3.21	1	0.02	0.09	0.02	0.09	-0.74	2.22
721	5/21/2014 13:11	PAINT	2.8	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	1	1	0	0.02	0	0.02	-0.14	1.79
722	5/21/2014 13:12	PAINT	15.09	mg / cm ^2	WALL	WOOD	A	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	5.34	1	0.6	0.3	1.1	0.2	0.6	0.3
723	5/21/2014 13:12	PAINT	1.67	mg / cm ^2	WALL	WOOD	B	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	2.03	1	0.6	0.3	0.6	0.3	0.7	1.8
724	5/21/2014 13:13	PAINT	1.12	mg / cm ^2	WALL	WOOD	D	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	1	1	0	0.04	0	0.04	-0.49	2.47
725	5/21/2014 13:13	PAINT	1.13	mg / cm ^2	CEILING	WOOD	D	INTACT	WHITE	2097	BASEMENT	sunroom		Negative	1	1	0	0.02	0	0.02	-0.77	1.44
726	**5/21/2014 13:14**	**PAINT**	**11.75**	**mg / cm ^2**	**WINDOW**	**WOOD**	**B**	**INTACT**	**WHITE**	**2097**	**BASEMENT**	**sunroom**	**posts**	**Positive**	**2.14**	**1**	**1.2**	**0.1**	**1.2**	**0.1**	**0.9**	**0.4**
727	**5/21/2014 13:14**	**PAINT**	**3.92**	**mg / cm ^2**	**WINDOW**	**WOOD**	**B**	**INTACT**	**WHITE**	**2097**	**BASEMENT**	**sunroom**	**posts**	**Positive**	**2.33**	**1**	**1.3**	**0.3**	**1.3**	**0.3**	**1.4**	**0.7**
728	**5/21/2014 13:15**	**PAINT**	**20**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**INTACT**	**WHITE**	**2097**	**BASEMENT**	**sunroom**	**posts**	**Positive**	**2.02**	**1**	**1**	**0.1**	**1**	**0.1**	**0.8**	**0.3**
729	**5/21/2014 13:18**	**PAINT**	**6.73**	**mg / cm ^2**	**WINDOW**	**WOOD**	**D**	**INTACT**	**WHITE**	**2097**	**BASEMENT**	**sunroom**	**posts**	**Positive**	**7.25**	**1**	**1.4**	**0.4**	**1.4**	**0.4**	**1.2**	**0.5**
731	5/21/2014 13:49	PAINT	3.36	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	2097	FIRST	GARAGE		Negative	2.89	1	0.02	0.04	0.02	0.04	0.4	0.7
732	5/21/2014 13:49	PAINT	2.23	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	2097	FIRST	GARAGE		Negative	4.9	1	0.05	0.14	0.05	0.14	0.17	1.52
733	5/21/2014 13:50	PAINT	3.35	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	2097	FIRST	GARAGE		Negative	1.63	1	0.01	0.02	0.01	0.02	0.4	0.8
734	5/21/2014 13:50	PAINT	2.23	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	2097	FIRST	GARAGE		Negative	1.74	1	0.01	0.03	0.01	0.03	-0.04	1.58
735	**5/21/2014 13:52**	**PAINT**	**3.36**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**INTACT**	**gray**	**2097**	**FIRST**	**GARAGE**		**Positive**	**1.26**	**1**	**1.3**	**0.3**	**1.3**	**0.3**	**1.3**	**0.7**
736	**5/21/2014 13:53**	**PAINT**	**3.91**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**INTACT**	**gray**	**2097**	**FIRST**	**GARAGE**	**trim**	**Positive**	**1.39**	**1**	**1.2**	**0.2**	**1.2**	**0.2**	**1.1**	**0.6**
737	5/21/2014 13:54	PAINT	2.23	mg / cm ^2	CHIMNEY	CONCRETE	C	INTACT	TAN	2097	FIRST	GARAGE	trim	Negative	1	1	0	0.02	0	0.02	-0.17	1.74

Notes:
"Side" corresponds to location of material as depicted on Figure 2.

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.0 - RESIDENT QUESTIONNAIRE

Site Address: 3 Weed Circle, Stamford
Site ID: 2097

Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes ☒ No ☐
   (b) If yes, how many? 1 Ages? 19
   (c) Record blood lead levels, if known Ø

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
Eli	A Corner	Bedroom Kitchen	Front Room	None.

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

Family Use Patterns

5. Which entrances are used most frequently? Front
6. Which window are opened most frequently? Screen
7. Do you use window air conditioners? If yes, where? No
8. (a) Do any household members engage in gardening? Yes ☐ No ☒
   (b) Record the location of any vegetable garden. No Vegetable Gard.
   (c) Are you planning any landscaping activities that will remove grass or ground covering? Yes ☐ No ☒
9. (a) How often is the housing unit cleaned? 1/week
   (b) What cleaning methods do you use? Vacuum, Dust,
10. (a) Did you recently complete any building renovations? Yes ____ No ☒
    (b) If yes, where? ____
    (c) Was building debris stored in the yard? If yes, where? No
11. Are you planning and building renovations? If yes, where? Yes - L.F + here.

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? _____

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

Site Address: 3 Weed Circle, Stamford
Site ID: 2097

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
Exterior siding has missing boards or shingles		X
Water stains on interior walls or ceilings		X
Plaster walls or ceilings deteriorated		X
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
Total number*		0
*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:

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

Site Address: 3 Weed Circle, Stamford
Site ID: 2097

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	Vinyl Painted Throughout	I	No	No	No
Exterior Trim	All	I			
Exterior Windows	Inner Level C Side, Porch	Poor	No	Yes	No
Exterior Doors	A & C & D	I	No	No	No
Railings	Not Painted				
Porch Floors	Not Painted	NA	NA	NA	NA
Other Porch Surfaces	None				
~~Interior Doors~~ Ceilings	Throughout	Fair - minor settling cracks	No	No	None.
Ceilings Interior doors		I	↓	↓	↓
Walls	Throughout ↓	I			
Interior Windows		I			
Interior Floors		I			
Interior Trim		I			
Stairways		I			
Radiator (or radiator cover)		NA			
Kitchen cabinets		I			
Bathroom cabinets		I			
Other surfaces		I			

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

Site ID: 2097
Name of Risk Assessor Brian Sirowich
Name of Property Owner Andree Kaminsky
Property Address 3 Weed Circle Stamford Apt. No. _____

Sampling Protocol X All Dwellings ____Targeted ____Worst-Case ____Random

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

Sample Number	Room	Building Component	XRF Reading (mg/cm^2)
1	Exterior lower level	Porch window - B, C, D Side	1.0, 1.2, 1.3 + 1.4
2	Garage	window - C side	1.2 + 1.3
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 1
Page 1 of 1
Date of Data Collection _____

Notes:

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

Site ID: 2097
Name of Risk Assessor Brian Sirowich
Name of Property Owner Andree Kaminsky
Property Address 3 Weed Circle, Stamford Apt. No. _____

Sampling Protocol __x__ All Dwellings ____ Targeted ____ Worst-Case ____ Random

Target Dwelling Criteria (Check all that apply)
- ___ Code Violations
- ___ Judged to be in Poor Condition
- ___ Presence of 2 or More Children between Ages of 6 Months and 6 Years
- ___ Serves as Day-Care Facility
- ___ Recently Prepared for Re-occupancy

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 ($\mu g/ft^2$)
W1	Front Entrance	Carpet	N	12 x 12	1	7.7
W2	Bedroom 1 Entry	Carpet	N	12 x 12	1	4.2
W3	Bedroom 1	Window Sill	Y	2 x 24	1	9.5
W4	1st Floor TV Area	Wood Floor	Y	12 x 12	1	17
W5	1st Floor Kitchen	1' x 1' Ceramic Tile	Y	12 x 12	1	2.7
W6	Bedroom 2 Entry	~~Carpet~~ Wood Floor	Y	12 x 12	1	2.9
W7	Bedroom 2	Window Sill	Y	3 x 31	0.65	6.9
W8	Lower Sun Room	Painted Concrete	Y	12 x 12	1	7.2
W9	Lower Sun Room	Concrete Window Sill	N	9 x 16	1	6.8

[1]Measure to the nearest 1/8 inch
HUD Standards: 100 $\mu g/ft^2$ (floors), 500 $\mu g/ft^2$ (interior window sills), 800 $\mu g/ft^2$ (window troughs)

Total Number of Samples This Page 9
Page 1 of 1
Date of Sample Collection 6/26/14 Date Shipped to Lab 6/26/14

Shipped by See Chain of custody Received by See Chain of Custody
(Signature) (Signature)

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

Site ID: 2097
Name of Risk Assessor Brian Sirowich
Name of Property Owner Andree Kaminsky
Property Address 3 Weed Circle, Stamford Apt. No. ____

Sample Number	Location	Bare of Covered?	Lab Result (ug/g)
SS-1	Diplum	Bare/covered	390
SS-2	Garden 1	Covered	110
SS-3	Garden 2	Bare	69
SS-4	Bare Spot 1	Bare	240
SS-5	Bare Spot 2	Bare	270
SS-6	Bare Spot 3	Bare	200
HUD interim standard for play area			400
HUD interim standard for perimeter			2,000

Collect only top ½ inch of soil

Total Number of Samples This Page 6
Page 1 of 1
Date of Sample Collection 6/26/14 Date Shipped to Lab 6/26/14

Shipped by See Chain of Custody Received by See Chain of Custody
(Signature) (Signature)

Appendix D

Roster of Suspect Asbestos Containing Materials

Roster of Suspect Asbestos Containing Materials – June 2014

Site # 2097 – 3 Weed Circle, Stamford, CT

Sample ID	HA	Material	Quantity	Condition	Location
20971-20973	1	2x4 ACT	1,000 SF	Good	Basement
20974-20976	2	Concrete ceiling	100 SF	Good	Basement
10977-20979	3	Drywall	50 SF	Good	Basement
209710-209712	4	Window caulk	50 LF	Good	Basement
209713-209719	5	Pipe wrap	15 LF	Good	Basement and garage
209720-209722	6	Ceiling material	400 SF	Good	Garage
209723	7	Caulk	50 LF	Good	Bathroom

Notes:
SF = Square Feet
HA = Homogeneous Area

Appendix E

Laboratory Analytical Data

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

EMSL Order:	041414520
CustomerID:	TRIT52
CustomerPO:	
ProjectID:	

Attn: **Brian Sirowich**
Triton Environmental, Inc.
385 Church Street
Suite 201
Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	05/23/14 9:30 AM
Analysis Date:	5/30/2014
Collected:	5/21/2014

Project: **104318**

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**
2097-1 *041414520-0001*	Basement - 2x4 ACT	White/Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
2097-2 *041414520-0002*	Basement - 2x4 ACT	White/Yellow Fibrous Homogeneous	90%	Glass	10%	Non-fibrous (other)	**None Detected**
2097-3 *041414520-0003*	Basement - 2x4 ACT	White/Yellow Fibrous Homogeneous	95%	Glass	5%	Non-fibrous (other)	**None Detected**
2097-4-Drywall *041414520-0004*	Basement - Concrete Ceiling	White Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
2097-4-Plaster *041414520-0004A*	Basement - Concrete Ceiling	Gray Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
2097-5-Drywall *041414520-0005*	Basement - Concrete Ceiling	White Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
2097-5-Plaster *041414520-0005A*	Basement - Concrete Ceiling	Gray Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
2097-6-Drywall *041414520-0006*	Basement - Concrete Ceiling	White Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**

Analyst(s)

Matthew Carralero (10)
Michael Garrity (18)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 05/30/2014 14:18:38

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

EMSL Order:	041414520
CustomerID:	TRIT52
CustomerPO:	
ProjectID:	

Attn: **Brian Sirowich**
Triton Environmental, Inc.
385 Church Street
Suite 201
Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	05/23/14 9:30 AM
Analysis Date:	5/30/2014
Collected:	5/21/2014

Project: **104318**

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**
2097-6-Plaster *041414520-0006A*	Basement - Concrete Ceiling	Gray Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
2097-7-Drywall *041414520-0007*	Basement - Drywall	White Fibrous Homogeneous	10% 3%	Cellulose Glass	87%	Non-fibrous (other)	**None Detected**
2097-7-Joint Compound *041414520-0007A*	Basement - Drywall	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2097-8-Drywall *041414520-0008*	Basement - Drywall	White Fibrous Homogeneous	10% 3%	Cellulose Glass	87%	Non-fibrous (other)	**None Detected**
2097-8-Joint Compound *041414520-0008A*	Basement - Drywall	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2097-9-Drywall *041414520-0009*	Basement - Drywall	White Fibrous Homogeneous	10% 3%	Cellulose Glass	87%	Non-fibrous (other)	**None Detected**
2097-9-Joint Compound *041414520-0009A*	Basement - Drywall	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2097-10 *041414520-0010*	Basement - Window Caulk	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Matthew Carralero (10)
Michael Garrity (18)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 05/30/2014 14:18:38

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

EMSL Order:	041414520
CustomerID:	TRIT52
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ProjectID:	

Attn: **Brian Sirowich**
Triton Environmental, Inc.
385 Church Street
Suite 201
Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	05/23/14 9:30 AM
Analysis Date:	5/30/2014
Collected:	5/21/2014

Project: **104318**

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**
2097-11-Caulk *041414520-0011*	Basement - Window Caulk	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
2097-11-Glazing *041414520-0011A*	Basement - Window Caulk	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
2097-12-Caulk *041414520-0012*	Basement - Window Caulk	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
2097-12-Glazing *041414520-0012A*	Basement - Window Caulk	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)		**None Detected**
2097-13 *041414520-0013*	Basement + Garage - Pipe Wrap	Gray Fibrous Homogeneous	20%	Cellulose	20%	Non-fibrous (other)	**60%**	**Chrysotile**
2097-14 *041414520-0014*	Basement + Garage - Pipe Wrap							**Stop Positive (Not Analyzed)**
2097-15 *041414520-0015*	Basement + Garage - Pipe Wrap							**Stop Positive (Not Analyzed)**
2097-16 *041414520-0016*	Basement + Garage - Pipe Wrap							**Stop Positive (Not Analyzed)**
2097-17 *041414520-0017*	Basement + Garage - Pipe Wrap							**Stop Positive (Not Analyzed)**

Analyst(s)

Matthew Carralero (10)
Michael Garrity (18)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 05/30/2014 14:18:38

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

EMSL Order:	041414520
CustomerID:	TRIT52
CustomerPO:	
ProjectID:	

Attn: **Brian Sirowich**
Triton Environmental, Inc.
385 Church Street
Suite 201
Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	05/23/14 9:30 AM
Analysis Date:	5/30/2014
Collected:	5/21/2014

Project: **104318**

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**
2097-18 *041414520-0018*	Basement + Garage - Pipe Wrap						**Stop Positive (Not Analyzed)**
2097-19 *041414520-0019*	Basement + Garage - Pipe Wrap						**Stop Positive (Not Analyzed)**
2097-20-Drywall *041414520-0020*	Garage - Ceiling Material	White Fibrous Homogeneous	8%	Cellulose	92%	Non-fibrous (other)	**None Detected**
2097-20-Plaster *041414520-0020A*	Garage - Ceiling Material	Brown Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
2097-21-Drywall *041414520-0021*	Garage - Ceiling Material	White Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
2097-21-Plaster *041414520-0021A*	Garage - Ceiling Material	Brown Fibrous Homogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
2097-22-Drywall *041414520-0022*	Garage - Ceiling Material	White Fibrous Homogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
2097-22-Plaster *041414520-0022A*	Garage - Ceiling Material	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2097-23 *041414520-0023*	Bathroom - Caulk	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Analyst(s)

Matthew Carralero (10)
Michael Garrity (18)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 05/30/2014 14:18:38

OrderID: 041414520

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 041414520

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

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:**
Project Name/Number: 104318	**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 2.5.6.2
☐ 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	

RECEIVED
EMSL
CINNAMINSON, NJ
14 MAY 23 AM 11:28

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 5/21

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

Sample #	HA #	Sample Location	Material Description
209771 - 209773	1	Basement	2x4 ACT
209774 - 209776	2	Basement	Concrete Ceiling.
209777 - 209779	3	"	Drywall
209780 209782	4	"	Window Caulk
209783 209789	5	Basement & Garage	Pipe Wrap
209790 - 209792	6	Garage	Ceiling Material.
209793	7	Bathroom	Caulk.

Client Sample # (s): 209771 - 209793 **Total # of Samples:** 23 min.

Relinquished (Client): **Date:** 5/22 **Time:** 1:20

Received (Lab): AK EMSL FX **Date:** 5/23/14 **Time:** 0930

Comments/Special Instructions:
209793 3 Weed circle Stamford CT

Page 1 of 1 pages

23

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

EMSL Order:	381402786
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:	05/29/14 2:35 PM
Analysis Date:	5/30/2014
Collected:	5/21/2014

Project: **3 Weed Circle**

Test **2097**
Site: **3 Weed Circle**
Stamford, CT 06902

Test Report: Radon in Air Test Results

Samples for EMSL Kit 99309

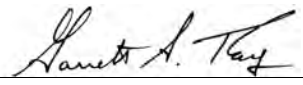
Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
167068	Basement	1.5	5/21/2014	5/23/2014	62	70	Customer
381402786-0001			1:37:00 PM	1:00:00 PM			
Sample Notes:	Radon device exposed <48 hours						
166941	Basement	1.5	5/21/2014	5/23/2014	62	70	Customer
381402786-0002			1:37:00 PM	1:00:00 PM			
Sample Notes:	Radon device exposed <48 hours						
Summary for EMSL kit 99309		**Average Radon Result:**	**1.5 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)
Tiffanie Cosgrove (2)



Garrett A. Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

Initial report from 05/30/2014 11:28:19

Please visit www.radontestinglab.com

OrderID: 041414520

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

381402786

DOM: 4/8/14
EXP: 4/8/15

2014 MAY 29 P 2:34

TRIT52
5DAY

Radon In Air Data Sheet

Send Written Report To:

Name Dave Vasiliou
Address 365 Church ST
City Guilford State CT Zip
Phone 203 458 7200 Fax
Email dvasiliou@tritonav. . . .
Technician Name Briens
Technician Certification #
Technician Signature

1ST RED VIAL # Basement 167068
LOCATION

☑ Basement ☐ First Floor ☐ Bedroom ☐ Den
☐ Living Room ☐ Other
☐ Location in Room

2ND RED VIAL # Brent 166941
(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 # 99309 (Outside of Box)

Property Tested:

Name 2097
Address 3 Weed Circle
City Stamford
Municipality County
State CT Zip
☐ Check here if this is a Post Mitigation test.
Technician Name
Technician Certification #
Technician Signature

INDOOR CONDITIONS

Temperature 62° °F Humidity 70 %

EXPOSURE PERIOD

Beginning Date: 5 / 21 / 14
Time: 1:37 AM / PM (Circle)

Ending Date: 5 / 23 / 14
Time: 1:00 AM / PM (Circle)

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

Tear Here

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# 4050526

Report Date: May 30, 2014
Project: 2097, Stamford
Project Number: 104318
PO Number: 104318

Connecticut Laboratory Certificate: PH 0116
Massachussetts laboratory Certificate.: M-CT903
Rhode Island Certification: 199

New York Certification: 11982
Florida Laboratory Certification: E871064

SAMPLE SUMMARY

The sample(s) were received at 4.8°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PCB-1	4050526-01	Solid	5/21/2014 14:00	05/22/2014

Client Sample ID PCB-1
Lab ID: 4050526-01

PCBs by Soxhlet **Analyst: CA**

Method: EPA 8082A **Matrix: Solid**

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	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1221	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1232	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1242	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1248	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1254	**1.4**	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1260	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1268	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
PCB-1262	ND	0.80	4	EPA 3540C	B4E2822	05/28/2014	05/29/2014 18:23	
Surrogate: TCMX	*94.4 %*	*50 - 150*			B4E2822	05/28/2014	*05/29/2014 18:23*	
Surrogate: DCB	*110 %*	*50 - 150*			B4E2822	05/28/2014	*05/29/2014 18:23*	

QUALITY CONTROL SECTION

Batch B4E2822 - 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 (B4E2822-BLK1)					Prepared: 5/28/2014 Analyzed: 5/29/2014				
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					*92.0*	*50 - 150*			
Surrogate: DCB					*91.4*	*50 - 150*			
LCS (B4E2822-BS1)					Prepared: 5/28/2014 Analyzed: 5/29/2014				
PCB-1016	0.831	0.20	1.000		83.1	50 - 150			
PCB-1260	0.895	0.20	1.000		89.5	50 - 150			
Surrogate: TCMX					*97.5*	*50 - 150*			
Surrogate: DCB					*136*	*50 - 150*			
Calibration Check (B4E2822-CCV1)					Prepared: 5/28/2014 Analyzed: 5/29/2014				
PCB-1016	1.04	0.20	1.000		104	80 - 120			
PCB-1260	1.06	0.20	1.000		106	80 - 120			
Surrogate: TCMX					*112*	*50 - 150*			
Surrogate: DCB					*99.4*	*50 - 150*			

CET #:4050526
Project: 2097, Stamford
Project Number: 104318

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:

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.
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.
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.

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
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: Triton Environmental

Project Location: 2097, Stamford

Project Number: 104318

Laboratory Sample ID(s):

4050526-01

Sample Date(s):

05/21/2014

List RCP Methods Used:

EPA 8082A

CET #: 4050526

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b	b) Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all consituents identified in the mehod-specific analyte lists preented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project specific matrix spikes and laboratory duplicates included with this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 05/30/2014

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

7- Project specific QC was not requested by the client.

QC Batch Report

Batch Number	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B4E2822	4050526-01	PCB-1	EPA 8082A	Solid	05/21/2014

CET #

Volatile Soils Only:

Date and Time in Freezer
Client:
CET:

COMPLETE ENVIRONMENTAL TESTING, INC.

4050526

F CUSTODY RECORD

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 W., C=Cassette, Solid, Wipe, Other (Specify)

Sample ID	Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs Sohxlet	Pesticides	Herbicides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	Additional Analysis	TOTAL # OF CONT.	NOTE #
PCB-1	5/21 2:00	O				X							X												

Turnaround Time ** (check one); Organics; Metals (check all that apply)

PRESERVATIVE (Cl–HCl, N–HNO₃, S–H₂SO₄, 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:	
[signature]	5/22 12:00	[signature]	5-22-14 1350
[signature]	5-22-14 1545	[signature]	

NOTES:
2097
PCB-1 - Window Caulk Basement window

Client / Reporting Information

Company Name: Triton Env Inc

Address: 385 Church ST Guilford CT 06437

City / State / Zip

Report To: Brian Srouch — E-mail: bsrouch@tritonenv.

Phone #: 203 458 7200 — Fax #: 203 458 7201

Project Information

Project Contact: Brian S — PO #: 104318

Project: 2097 — Project #: 104318 (13)

Location: Stamford, CT — Collector(s): Brian S

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

Data Report: ☐ Email ☑ PDF ☑ Excel ☐ Other

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

Lab Use:
Evidence of Cooling: (Y) or N
Temp Upon Receipt 4.8 °C

SHEET 1 OF 1

REV. 12/11

* 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.