NEPA ENVIRONMENTAL REVIEW REPORT

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

Site ID No. 1231
154 Gregory Boulevard
Norwalk, Connecticut

October 2014

Ref. No. 104318/28/R01

Prepared for:

Merritt Construction Services, Inc.
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Prepared by:

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Environmental Consulting & Engineering

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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 154 Gregory Boulevard, 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 home formerly included a finished basement that was reportedly flooded during the storm. The homeowner has previously gutted the finished basement and installed new mechanical equipment. The proposed work plan for the site includes restoring the basement finishings including flooring, sheetrock wall coverings, ceiling materials, and fixtures. As such, the work zone as described by Merritt consists of the entire 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. 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 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 - 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 0900120534G 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 Norwalk 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 basement of the dwelling. Triton conducted testing 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 30 locations of 18 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 tested within the work zone (basement) 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 1923, 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 five-bedroom, single-family, residential house reportedly constructed in 1923. The site is owned by Anastasios and Parthena Mourouzidis and co-owned by Frank and Sofia Aprea. There are currently three full-time adult 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," indicating that (for the purposes of a risk assessment) the dwelling is considered to be in good 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	First floor bedroom, first floor trim,
Dust Accumulations	Yes	Basement floor, bedroom floor, and rear porch window sill
Bare Soil	Yes	Drip line and garden
Impact/Friction Surfaces	Yes	Trim
Chewed Surfaces	No	

A summary of the visual paint inspection is shown 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," and XRF testing data table 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: ceiling plaster in the first floor bedroom, and the window trim, framing, posts on the interior of the enclosed rear porch.

3.1.2.3 - Dust Sampling

A total of three 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 window sill of the rear porch contained a lead concentration of 5,410 ug/ft^2 exceeding the HUD standard of 500 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: the drip line of the dwelling and the vegetable garden adjacent to the house.

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: the composite drip line sample (620 mg/kg) and the garden sample on the B side (600 mg/kg).

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 interior of the enclosed porch;
- Hazard B - elevated lead levels in dust on the window sill of the window at the rear of the porch; and
- Hazard C - elevated lead concentrations in the vegetable garden.
- Hazard D – elevated lead concentrations in the drip line of the house

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

Abatement options for Hazard A 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; and
- Replacing components containing lead-based paint.

Abatement options for Hazard B include:

- 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.

Abatement options for Hazard C include:

- If vegetable growing is to continue to in the garden, abatement of the lead-containing soil (soil removal) will be needed. Alternatively, a raised planting bed could be used in conjunction with interim controls to reduce exposure to the garden soils.

Interim control options for Hazard D include:

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

Although permanent abatement of the exterior paint associated with Hazard C could be completed (soil 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 September 16, 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 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 21 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 25 results. The results indicated that asbestos greater than 1% was identified in one building material. The black paper on the floor of the basement contains approximately 6% chrysotile.

A roster of the building materials suspected of containing asbestos (and subsequent samples) is provided 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 (basement). Two radon test kits were deployed (a sample and a duplicate) in the lowest level of the building on September 16, 2014, and allowed to sample radon levels for approximately 48 hours. One of the test kits was received by the laboratory with the lid open and could not be analyzed. The EPA has established a guideline of 4 pCi/L as an "elevated" indoor radon level. The laboratory reported a result of 8.4 pCi/L for the remaining sample, which is greater than the EPA guideline of 4.0 pCi/L. The laboratory analytical result is attached in Appendix E.

3.4 - PCB Sampling

PCB sampling was conducted by Triton on September 16, 2014. 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. Where a significant number of homogeneous window units are present, the EPA 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.

Material	Location	Number of Locations	Number of Samples Collected (5% Minimum)
Black paper on floor	Basement floor	1	1

As indicated, one sample was collected from the work zone that is believed to provide a representative evaluation of the potential PCB-containing material observed. The sample was collected using hand tools (e.g. utility knife). The sample was analyzed for PCBs by EPA Method 8082 (using the soxhlet extraction method).

PCBs were not detected in the sample (PCB-1) collected from the roofing paper on the basement floor. The laboratory analytical results are provided in Appendix E.

3.5 - Mold Inspection

Triton completed a visual mold inspection of the work area on September 16, 2014. Mold was observed on wood risers of the basement stairs and in discrete areas of the exposed wooden framing 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, radon, 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

Lead paint was not identified within the proposed work zone.

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 window trim on the porch windows, lead-containing dust within the sill of the rear window on the porch, and elevated lead concentrations in soils of the garden and drip line of the dwelling. 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 the lead-containing soil in the drip line of the house and the garden is 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 240 square feet of asbestos-containing blackpaper was identified on the floor of the basement. 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 - Radon Abatement

An elevated radon level was identified in the basement of the building. Given that that this space will be occupied, a mitigation system will be designed by Triton for inclusion in the project.

4.4 - Mold Abatement

Mold was observed on wood risers of the basement stairs and in discrete areas of the exposed wooden framing in the basement. Due to the intended finishing of the basement as livable space, abatement of the mold is needed 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 Officer 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 Norwalk 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.

   In addition, the site is located within the 100-year flood zone based on the FEMA Flood Insurance Race Map 0900120534G, dated July 8, 2013. The site is located with an area mapped as an AE zone, which is within the 100-year flood zone.

3. Lead-Based Paint - Based on the work zone lead inspection, lead paint was not identified within the work zone (basement). The lead hazard risk assessment identified lead hazards associated with deteriorated lead-based paint in the porch window components, in dust on the sill of the window at the rear of the porch, and in soils in the garden and drip line of the dwelling. 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 soil in the drip line or garden is 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.

4. Asbestos-Containing Materials (ACM) - Based on the results of the asbestos survey and testing, roof paper on the floor of the basement was identified as an ACM containing asbestos greater than 1%. If this material will be disturbed, the asbestos-containing roof paper will have to be abated 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. Radon – Radon was detected at concentrations of 8.4 pCi/L. The EPA has established the guideline of 4.0 pCi/L as an "elevated" indoor radon level. As such, a sub-slab depressurization system should be installed as part of the renovation work. Triton is designing a depressurization system designed to reduce radon concentrations to below 4.0 pCi/L.

6. Mold – Mold was observed on wood risers of the basement stairs and in discrete areas of the exposed wooden framing in the basement. 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 stairs and wooden framing 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 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.

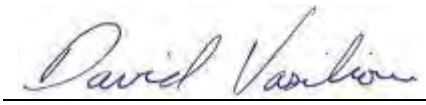
All abatement/renovation activities should be conducted in accordance with all applicable local, state, and federal regulations and Occupational Safety and Health Association (OSHA) guidelines.

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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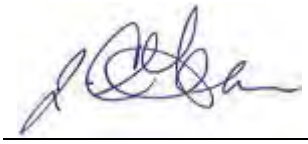

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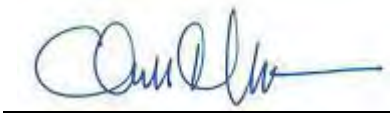

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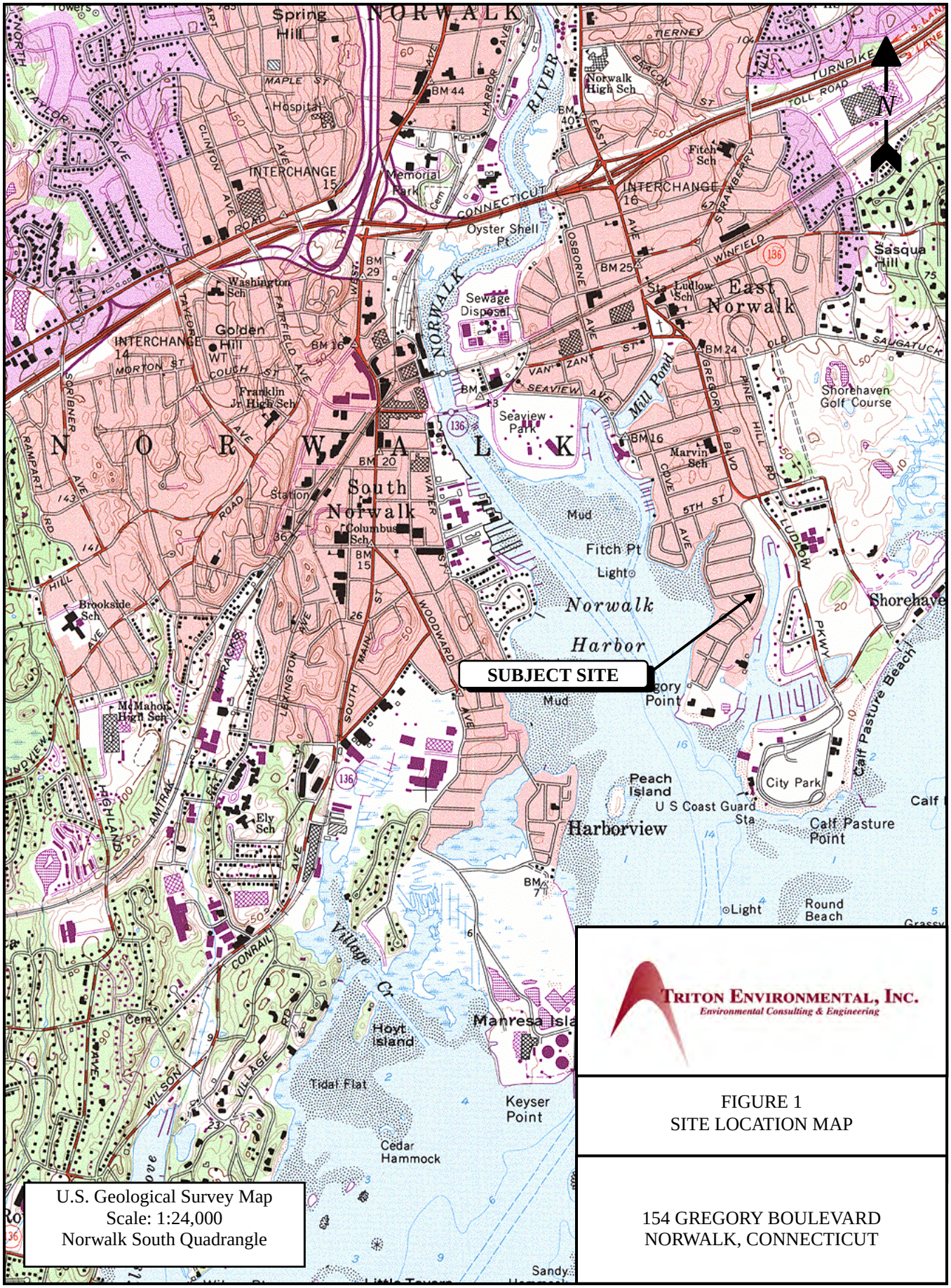
FIGURES

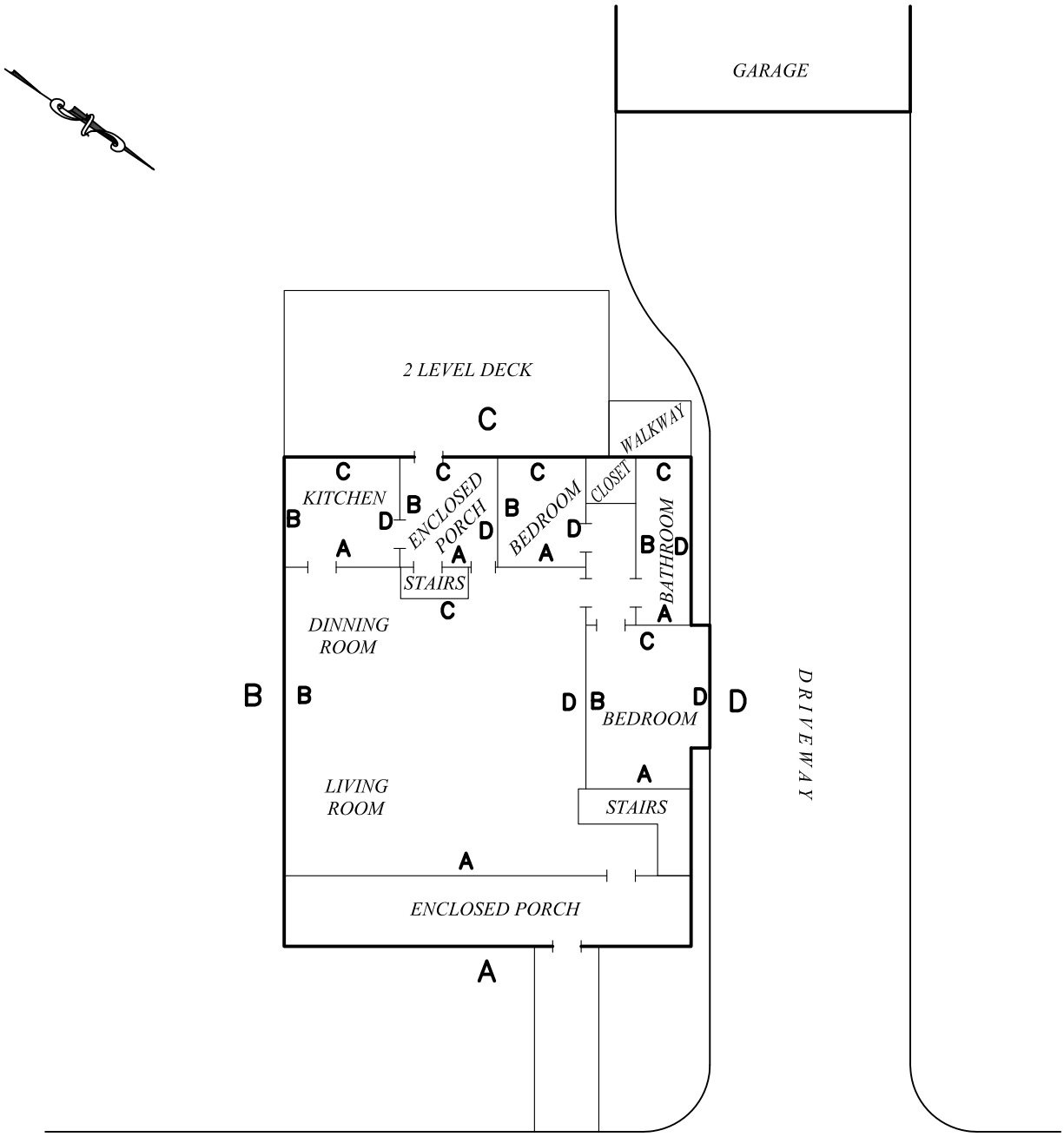


U.S. Geological Survey Map
Scale: 1:24,000
Norwalk South Quadrangle

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

FIGURE 1
SITE LOCATION MAP

154 GREGORY BOULEVARD
NORWALK, 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

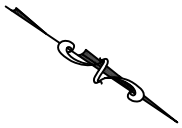
SITE DIAGRAM

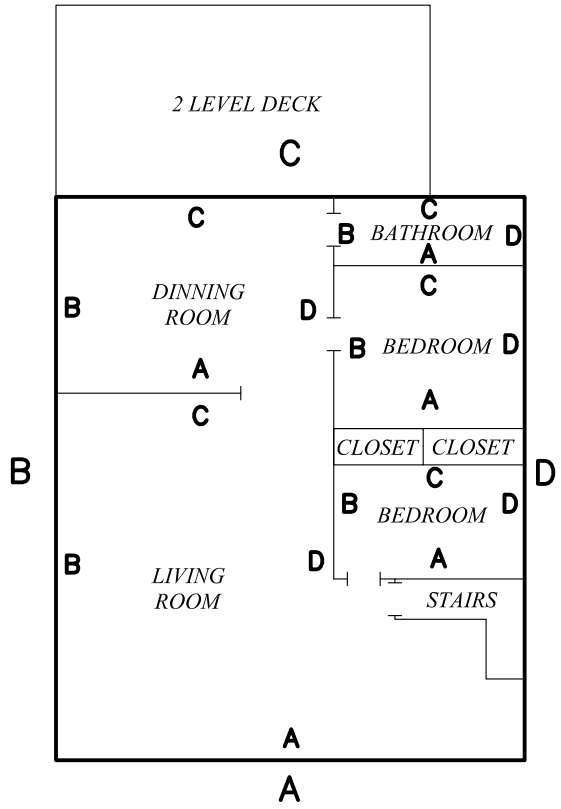
FIRST FLOOR

APPLICANT #1231
154 GREGORY BOULEVARD
NORWALK, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 9/18/14	SCALE: N.T.S.	FILE No.:104318-154GREGORY

P:\CAD\DRAWINGS\104000\104318\FIGURES\154 GREGORY BLVD\104318-154GREGORY.DWG
Layout: First Floor





GREGORY BOULEVARD

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
385 Church Street, Suite 201 • Guilford, Connecticut 06437 • 203.458.7200

FIGURE 2

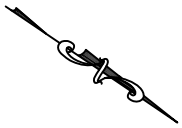
SITE DIAGRAM

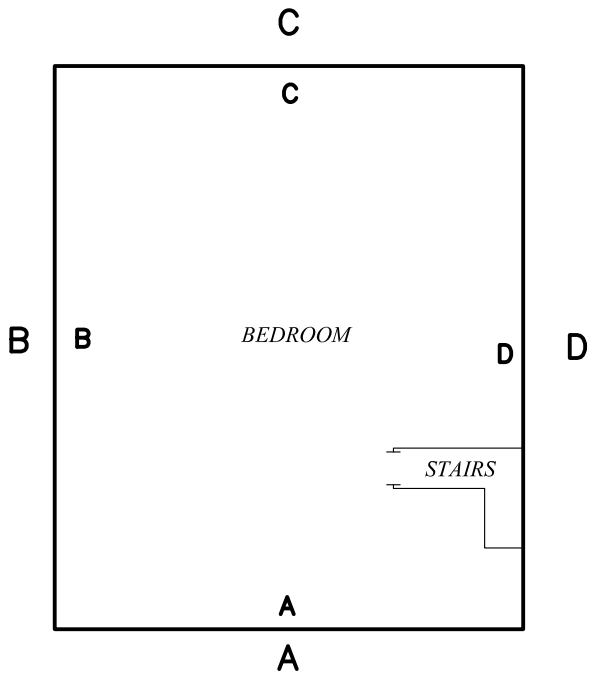
SECOND FLOOR

APPLICANT #1231
154 GREGORY BOULEVARD
NORWALK, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 9/18/14	SCALE: N.T.S.	FILE No.:104318-154GREGORY

P:\CAD\DRAWINGS\104000\104318\FIGURES\154 GREGORY BLVD\104318-154GREGORY.DWG
Layout: Second Floor





GREGORY BOULEVARD

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Environmental Consulting & Engineering

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FIGURE 2

SITE DIAGRAM

ATTIC

APPLICANT #1231
154 GREGORY BOULEVARD
NORWALK, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 9/18/14	SCALE: N.T.S.	FILE No.:104318-154GREGORY

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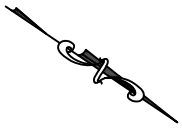
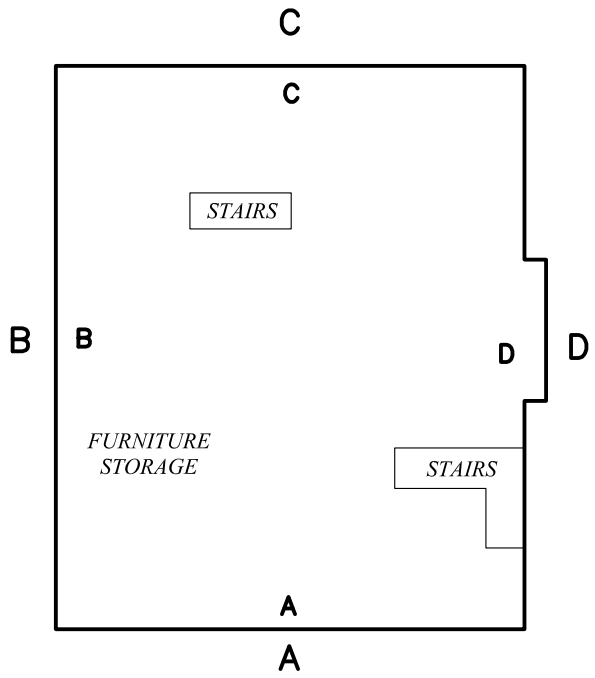
Layout: Attic





GREGORY BOULEVARD

NOT TO SCALE – SKETCH ONLY
FOR ILLUSTRATIVE PURPOSES

NOTES:

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FIGURE 2

SITE DIAGRAM

BASEMENT

APPLICANT #1231
154 GREGORY BOULEVARD
NORWALK, CONNECTICUT

DRAWN BY: FSM		APPROVED BY: BNS
DATE: 9/18/14	SCALE: N.T.S.	FILE No.:104318-154GREGORY

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Layout: Basement

Appendix A

Public Resource Maps

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-0561 September 15, 2014
Project Name: 154 Gregory Blvd, Norwalk #1231

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: 154 Gregory Blvd, Norwalk #1231

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-0561
Project Type: ** Other **
Project Description: NEPA screening for CDBG-DR grant

Project Location Map:

Project Coordinates: MULTIPOLYGON (((-73.397767 41.0915359, -73.3978079 41.0914012, -73.3981539 41.0913749, -73.3981916 41.091474, -73.397767 41.0915359)))

Project Counties: Fairfield, CT

United States Department of Interior
Fish and Wildlife Service

Project name: 154 Gregory Blvd, Norwalk #1231

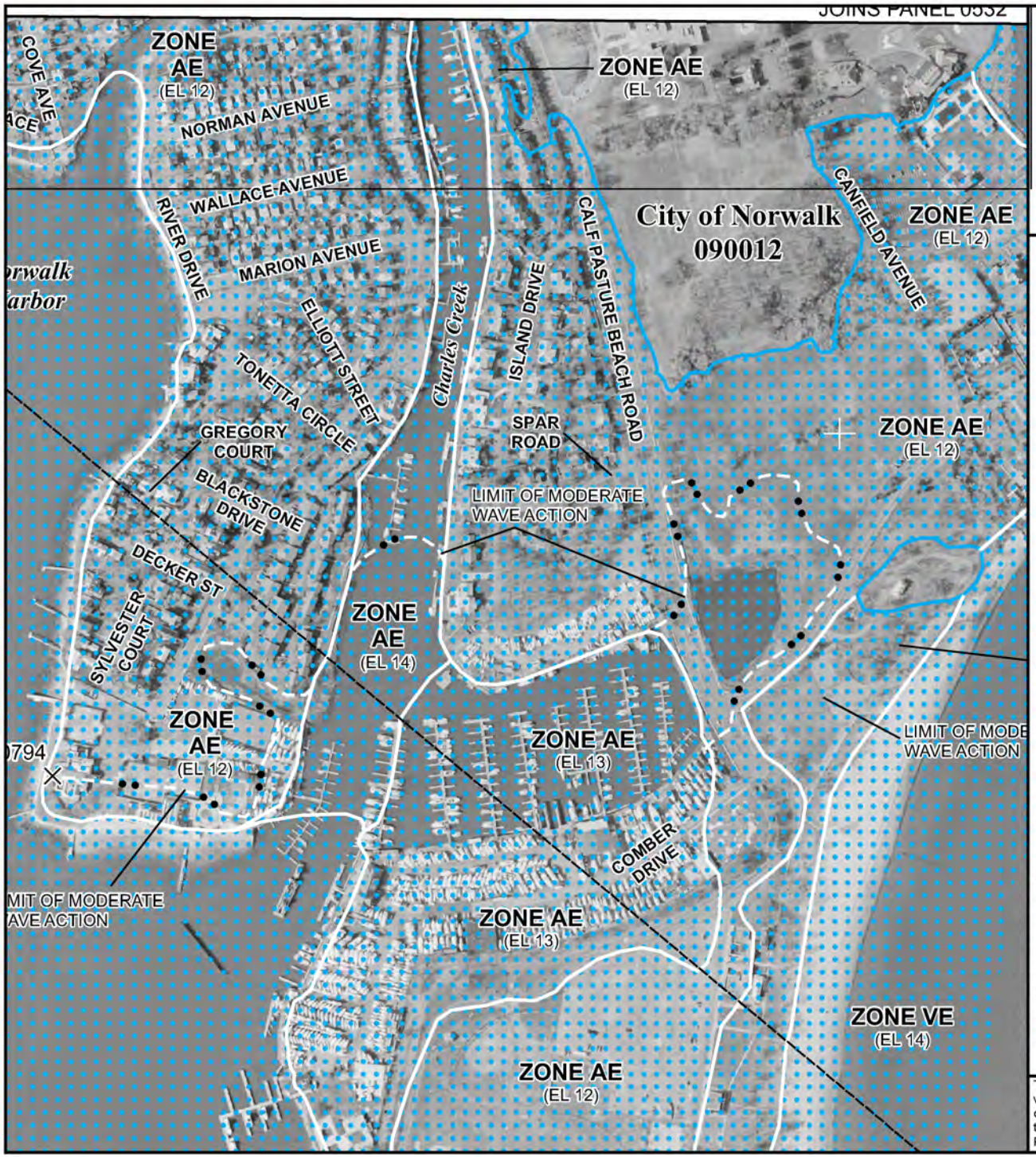
Endangered Species Act Species List

There are a total of 0 threatened or endangered 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 under the **Has Critical Habitat** column 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.



PANEL 534 OF 626

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NORWALK, CITY OF	090012	0534	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

Inland Wetlands Soils Map
October 2009
154 Gregory Boulevard
Norwalk, CT

Inland Wetland Soil Map – Norwalk
(October 2009)

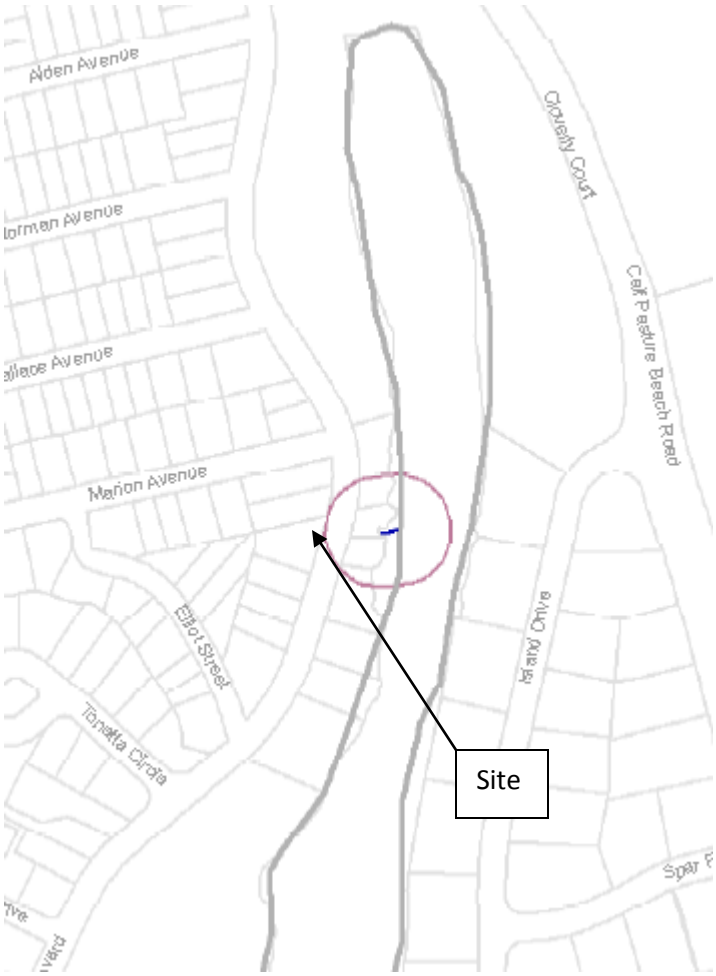
LEGEND

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.

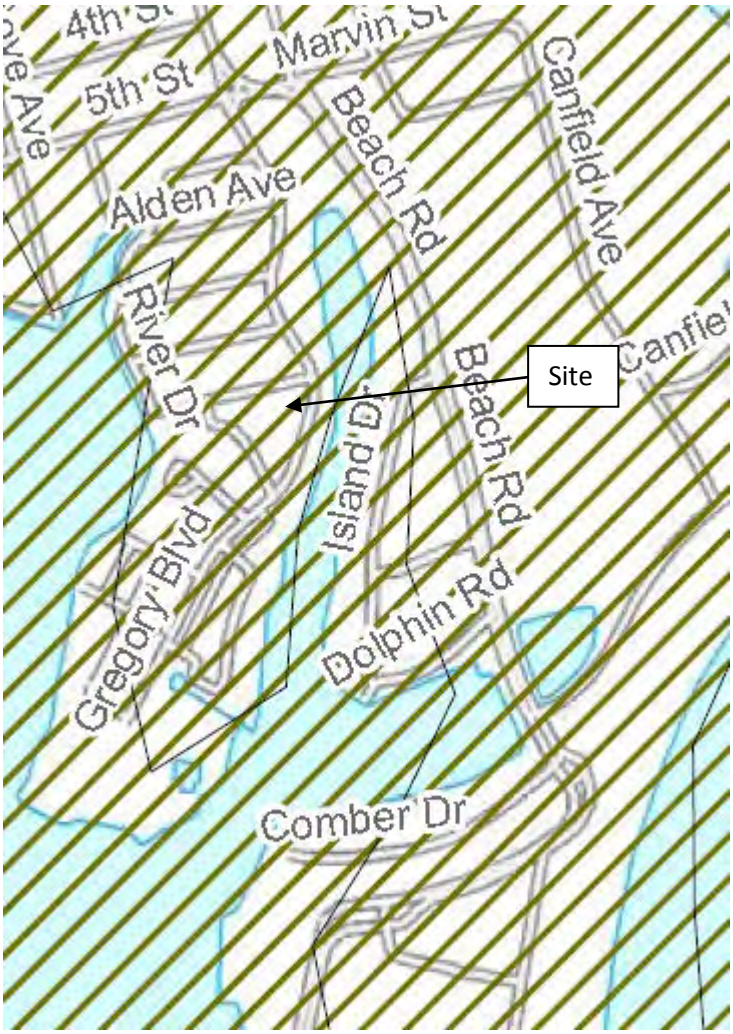
- Open Water
- River, Brook, Stream
- Town Boundary
- State Boundary
- County Boundary
- Interstate Highway
- US Route Highway
- State Route Highway
- Highway Ramp
- Local Road
- Railroad

Inland Wetlands Map
February 2010
154 Gregory Bouelvard
Norwalk, CT



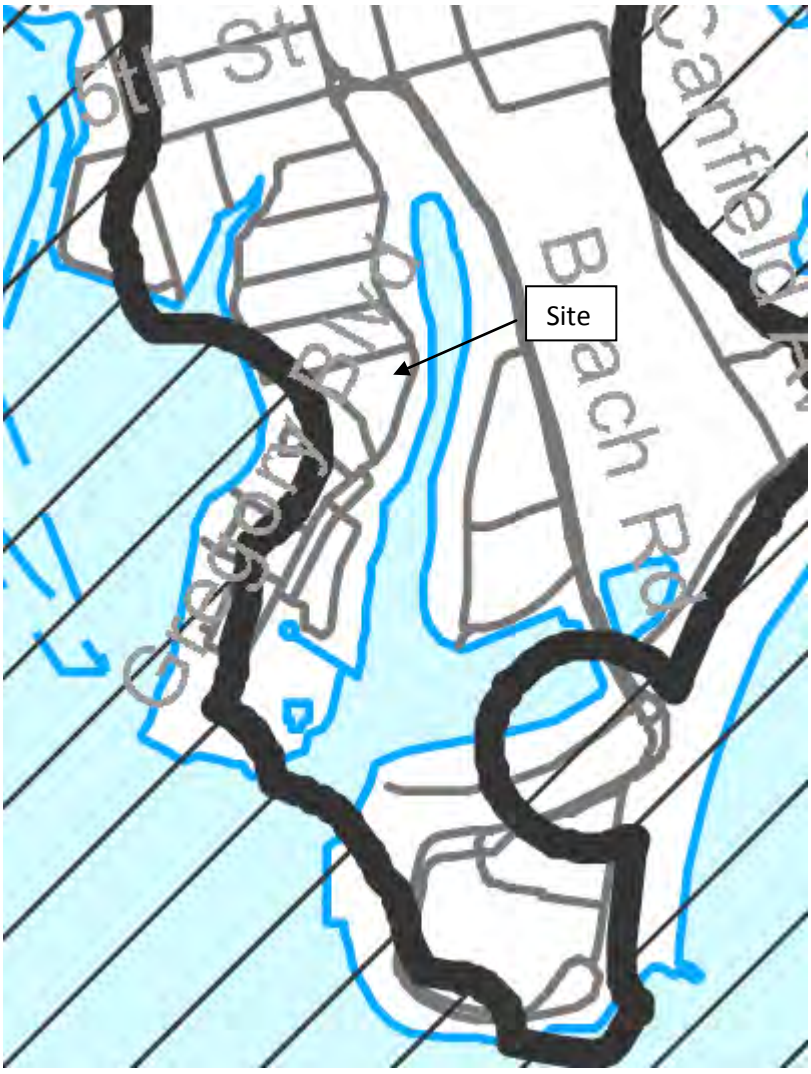
Coastal Boundary Map
(January 2013)

154 Gregory Boulevard
Norwalk, CT



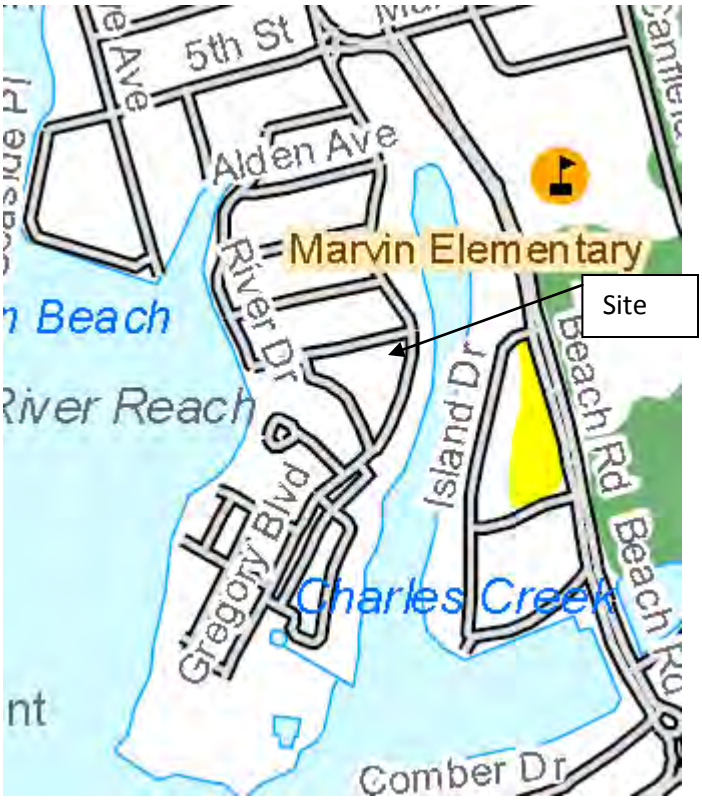
Natural Diversity Database Map
(December 2013)

154 Gregory Boulevard
Norwalk, CT



Farmland Soils
(April 2011)

154 Gregory Boulevard
Norwalk, CT



Tidal Wetlands
(1990)

154 Gregory Boulevard
Norwalk, CT

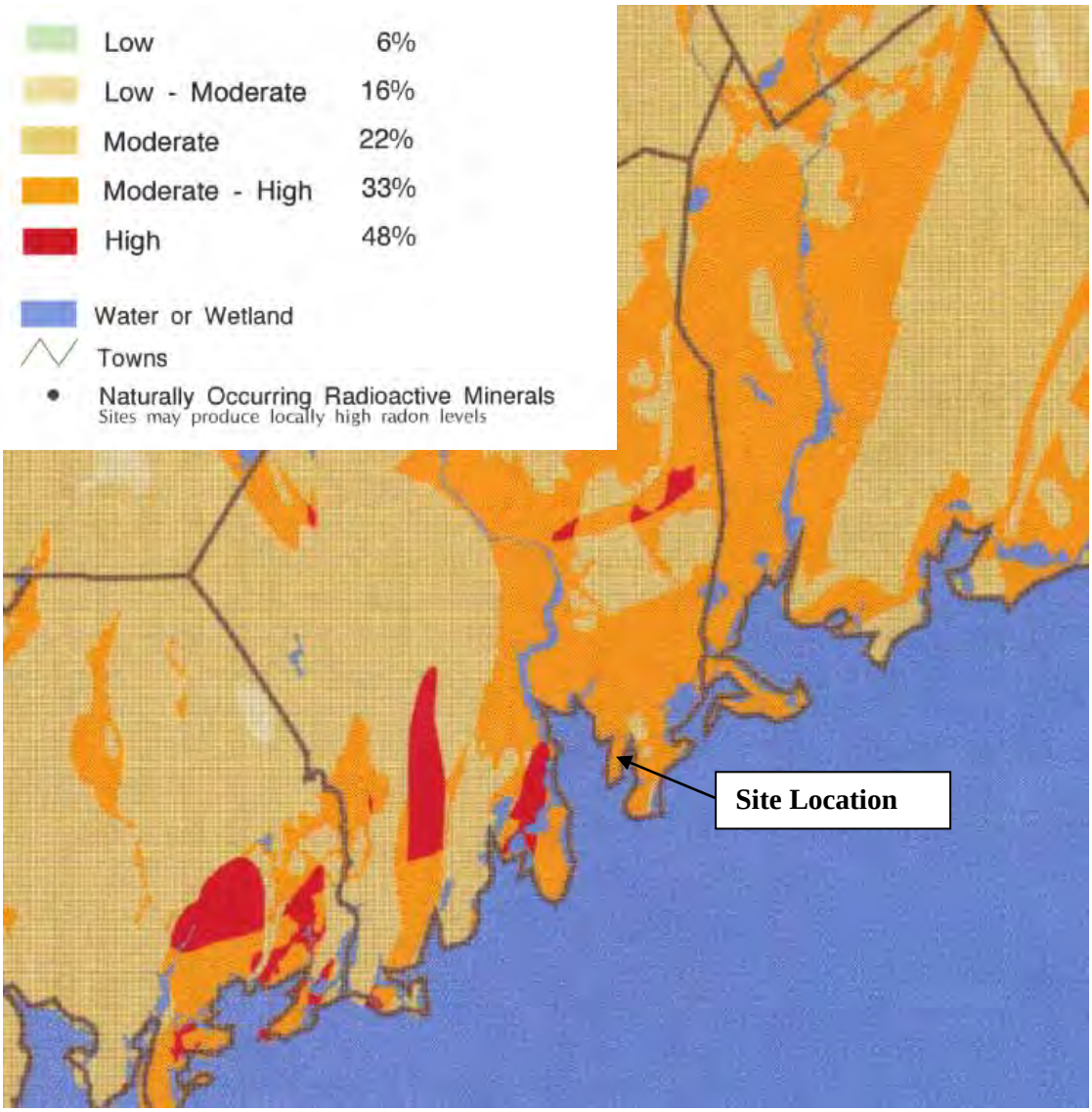
Aquifer Protection Map

154 Gregory Boulevard, Norwalk CT

Indoor Radon Potential Map - 1997

154 Gregory Boulevard

Norwalk, CT



Site location is approximate

Appendix B

Photographs

Photograph 1
Gutted basement

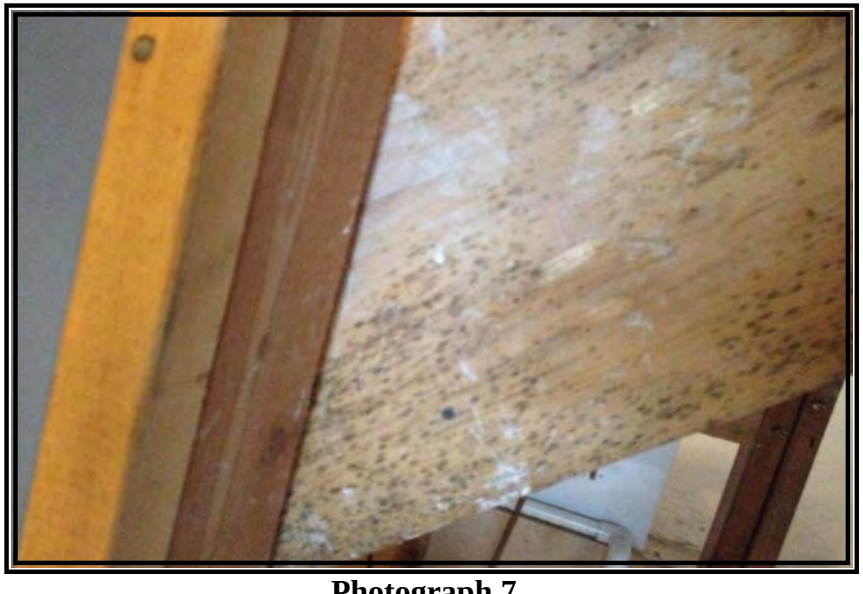
Photograph 2
Gutted basement

Photograph 3
Gutted basement

Photograph 4
Deteriorated paint on bedroom ceiling

Photograph 5
Mold on wooden framing in basement

Photograph 6
Mold on stringer on stairs in basement



Photograph 7
Mold on stringer on stairs in basement

Photograph 8
Mold underneath stairs in basement

Appendix C

Lead Risk Assessment and Inspection Forms

XRF Testing Data

154 Gregory Boulevard, Narwalk, CT

#1231

Reading No	Time	Type	Duration	Units	Component	Substrate	Side	Condition	Color	Floor	Room	Misc 1	Results	Depth Index	Action Level	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
2377	9/16/2014 11:50	PAINT	2.36	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	BASEMENT			Negative	1.07	1	0	0.02	0	0.02	-0.02	1.64
2378	9/16/2014 11:51	PAINT	3.29	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	0.4	0.9
2379	9/16/2014 11:51	PAINT	2.83	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	0.03	1.49
2380	9/16/2014 11:52	PAINT	2.84	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	0.1	1.41
2381	9/16/2014 11:52	PAINT	1.41	mg / cm ^2	DOOR	WOOD	A	INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	-0.22	1.71
2382	9/16/2014 11:53	PAINT	1.42	mg / cm ^2	DOOR	WOOD	A	INTACT	WHITE	BASEMENT	TRIM		Negative	1	1	0	0.02	0	0.02	-0.1	1.28
2383	9/16/2014 11:55	PAINT	3.3	mg / cm ^2	WALL	brick	C	INTACT	WHITE	BASEMENT			Negative	1.98	1	0.01	0.02	0.01	0.02	0.6	0.8
2384	9/16/2014 11:57	PAINT	1.41	mg / cm ^2	WINDOW	WOOD	B	INTACT	WHITE	BASEMENT	TRIM		Negative	1	1	0	0.02	0	0.02	0.22	1.29
2385	9/16/2014 11:57	PAINT	1.41	mg / cm ^2	WINDOW	WOOD	B	INTACT	WHITE	BASEMENT	TRIM		Negative	1	1	0	0.02	0	0.02	0.2	1.21
2386	9/16/2014 12:00	PAINT	1.41	mg / cm ^2	COLUMN	METAL		POOR	WHITE	BASEMENT			Negative	1.17	1	0.7	0.3	0.7	0.3	0	2.67
2387	9/16/2014 12:00	PAINT	1.41	mg / cm ^2	COLUMN	METAL		POOR	WHITE	BASEMENT			Negative	1.74	1	0.5	0.3	0.5	0.3	0.23	2.48
2388	9/16/2014 12:01	PAINT	1.42	mg / cm ^2	COLUMN	METAL		POOR	WHITE	BASEMENT			Negative	1	1	0.3	0.17	0.3	0.17	-0.12	2.52
2389	9/16/2014 12:01	PAINT	1.42	mg / cm ^2	COLUMN	METAL		POOR	WHITE	BASEMENT			Negative	1.45	1	0.4	0.2	0.4	0.2	0.6	2.6
2390	9/16/2014 12:02	PAINT	1.42	mg / cm ^2	CEILING	DRYWALL		INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	0.1	1.41
2391	9/16/2014 12:04	PAINT	1.43	mg / cm ^2	RISER	WOOD	c	INTACT	WHITE	BASEMENT			Negative	1	1	0	0.02	0	0.02	0	1.18
2392	9/16/2014 12:09	PAINT	3.32	mg / cm ^2	FLOOR	CONCRETE	A	PEELING	RED	FIRST	PORCH	red and gray	Negative	1.5	1	0.3	0.14	0.3	0.14	0.4	1.1
2393	9/16/2014 12:10	PAINT	2.85	mg / cm ^2	FLOOR	CONCRETE	A	PEELING	RED	FIRST	PORCH	red and gray	Negative	1.26	1	0.05	0.06	0.05	0.06	-0.09	1.68
2394	**9/16/2014 12:11**	**PAINT**	**0.95**	**mg / cm ^2**	**CEILING**	**PLASTER**	**A**	**PEELING**	**WHITE**	**FIRST**	**BEDROOM**		**Positive**	**10**	**1**	**15.5**	**9.1**	**1.3**	**2.8**	**15.5**	**9.1**
2396	9/16/2014 12:12	PAINT	1.88	mg / cm ^2	CEILING	PLASTER	A	PEELING	WHITE	FIRST	BEDROOM		Negative	1	1	0	0.02	0	0.02	0.09	1.42
2397	**9/16/2014 12:12**	**PAINT**	**0.95**	**mg / cm ^2**	**CEILING**	**PLASTER**	**A**	**PEELING**	**WHITE**	**FIRST**	**BEDROOM**		**Positive**	**10**	**1**	**13.1**	**8.5**	**2.3**	**4.1**	**13.1**	**8.5**
2398	9/16/2014 12:18	PAINT	1.41	mg / cm ^2	CEILING	PLASTER	C	FAIR	cream	FIRST	PORCH	rear	Negative	1	1	0	0.02	0	0.02	-0.08	1.49
2399	**9/16/2014 12:21**	**PAINT**	**0.94**	**mg / cm ^2**	**WINDOW**	**WOOD**	**A**	**CRACKED**	**cream**	**FIRST**	**PORCH**	**trim**	**Positive**	**8.61**	**1**	**10.7**	**7.2**	**7.3**	**8.3**	**10.7**	**7.2**
2400	**9/16/2014 12:22**	**PAINT**	**0.47**	**mg / cm ^2**	**WINDOW**	**WOOD**	**A**	**CRACKED**	**cream**	**FIRST**	**PORCH**	**sill**	**Positive**	**7.46**	**1**	**15.3**	**14**	**8**	**11.7**	**15.3**	**14**
2401	**9/16/2014 12:23**	**PAINT**	**0.94**	**mg / cm ^2**	**WINDOW**	**WOOD**	**A**	**CRACKED**	**cream**	**FIRST**	**PORCH**		**Positive**	**3.5**	**1**	**8.6**	**6.1**	**5**	**3.4**	**8.6**	**6.1**
2402	9/16/2014 12:23	PAINT	2.84	mg / cm ^2	WINDOW	WOOD	C	CRACKED	WHITE	FIRST	PORCH		Negative	3.14	1	-0.11	1.08	0.02	0.06	-0.11	1.08
2403	**9/16/2014 12:24**	**PAINT**	**0.47**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**CRACKED**	**WHITE**	**FIRST**	**PORCH**	**sill**	**Positive**	**1.68**	**1**	**3.8**	**2.7**	**3.8**	**2.7**	**4.1**	**7.2**
2404	**9/16/2014 12:25**	**PAINT**	**1.41**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**CRACKED**	**WHITE**	**FIRST**	**PORCH**	**post**	**Positive**	**6.73**	**1**	**6.9**	**3.5**	**5.1**	**3.1**	**6.9**	**3.5**
2405	**9/16/2014 12:26**	**PAINT**	**0.94**	**mg / cm ^2**	**WINDOW**	**WOOD**	**C**	**CRACKED**	**cream**	**FIRST**	**PORCH**	**header**	**Positive**	**8.63**	**1**	**8.2**	**6.1**	**7**	**7.9**	**8.2**	**6.1**
2406	9/16/2014 12:30	PAINT	1.41	mg / cm ^2	TRIM	WOOD	B	PEELING	WHITE	FIRST	dining room	baseboard	Negative	1	1	0	0.02	0	0.02	0.09	1.17
2407	9/16/2014 12:30	PAINT	1.44	mg / cm ^2	TRIM	WOOD	A	PEELING	WHITE	FIRST	LIVING ROOM	baseboard	Negative	2.55	1	0.08	0.15	0.08	0.15	0.4	1.4

Notes:

"Side" refers to location as shown on Figure 2.

Total lead concentration shown on PbC column

NEPA ENVIRONMENTAL REVIEW
LEAD RISK ASSESSMENT
FORM 5.0 - RESIDENT QUESTIONNAIRE

Site Address: 154 Gregory Blvd, Norwalk
Site ID: 1231

Children/Children's Habits

1. (a) Do you have any children that live in your home? Yes ☐ No ☒
   (b) If yes, how many? 0 Ages? ____
   (c) 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

3. Where are toys stored/kept? ____
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? Bedroom
6. Which window are opened most frequently? Front Porch, Central Air, Sometimes Partial Roof
7. Do you use window air conditioners? If yes, where? None.
8. (a) Do any household members engage in gardening? Yes ☒ No ☐
   (b) Record the location of any vegetable garden. Side of House is along Cliff Lane.
   (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? Weekly
   (b) What cleaning methods do you use? Steam Clean Floors, Wipes
10. (a) Did you recently complete any building renovations? Yes ____ No X
    (b) If yes, where? ____
    (c) Was building debris stored in the yard? If yes, where? No
11. Are you planning any building renovations? If yes, where? Yes

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

Site Address: 154 Gregory Boulevard, Norwalk
Site ID: 1231

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		
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
Total number*	1	
*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:

A side 1st Floor Bedroom deteriorated Ceiling
C side (Rear) Enclosed Porch Deteriorated Paint on Windows & Door Trim. Walls & Ceiling intact
Interior First Floor Trim is deteriorated
2nd Floor Paint in Great Shape
3rd Floor (Attic) Paint in Good Shape.

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

Site Address: 154 Gregory Blvd, Norwalk
Site ID: 1231

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	Throughout	Intact	No	NA	None
Exterior Trim	Throughout				
Exterior Windows	"				
Exterior Doors	"				
Railings	"				
Porch Floors	"				
Other Porch Surfaces	"				
Interior Doors	"				
Ceilings	All rooms except 1st floor L.R (A)	Poor	No	Yes	
Walls	Throughout	Intact			
Interior Windows	"	Intact			
Interior Floors	Throughout	Wood			
Interior Trim	1st Floor	Poor	Friction/Impact	No	None
Stairways	~~Wood~~ Aside	Intact	No	No	
Radiator (or radiator cover)	None	"	NA	NA	
Kitchen cabinets	Wood	NP	NA	NA	
Bathroom cabinets	Wood	NP	NA	NA	
Other surfaces	None	NA	NA	NA	

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

Site ID: 1231
Name of Risk Assessor Brian Strauch
Name of Property Owner _____
Property Address 154 Gregory Blvd. Apt. No. _____

Sampling Protocol_____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 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)
2392-3	Porch	Concrete floor	0.3, 0.05
2394-7	1st Floor bedroom	plaster ceiling	15.5, 0, 13.1
2398	Porch	plaster ceiling	0
2399	Porch	Window trim	10.7
2400	Porch	Window sill	15.3
2401-2	Porch	Window frame	8.6, 0
2403	Porch	Window sill	3.9
2404	Porch	Window post	6.9
2405	Porch	Window header	8.2
2406	Dining Room	Trim	0
2407	Living Room	Trim	0.09
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 _____
Page _____ of _____
Date of Data Collection _____

Notes: See XRF

TRITON ENVIRONMENTAL, INC.
Environmental Consulting & Engineering

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

Site ID: 1231

Name of Risk Assessor Brian Sirowich

Name of Property Owner Sofia Aprea & Frank Aprea, Parthena Mavrouzidis

Property Address 154 Gregory Blvd, Norwalk Apt. No. _____

Sampling Protocol ____ All Dwellings __X__ 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 under the Age of 6 Years
____ Serves as Day-Care Facility
____ Recently Prepared for Re-occupancy
____ Random Sampling
__X__ None of the above

1 - Near column

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 ($\mu g/ft^2$)
1	Basement Floor	Concrete	Y	12 x 12	1	160
2	Bkfloor (Near Closet Door)	Wood	Y	12 x 12	1	6.6
3	Window Sill Rear Porch	Wood	Y	32 x 2 3/4	0.61	5410

[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 3

Page 1 of 1

Date of Sample Collection 9/16/14 Date Shipped to Lab 9/16/14

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: 1231
Name of Risk Assessor Brian Sirowich
Name of Property Owner Sofia Aprea
Property Address 154 Gregory Boulevard Apt. No. _____

Sample No.	Location	Bare or Covered?	Lab Result (ug/g)
SS-1	Dripline A-D	Bare	620
SS-2	Garden B Side	Bare	600
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 2
Page 1 of 1
Date of Sample Collection 9/16/14 Date Shipped to Lab 9/16/14

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 – September 2014

Site # 1231 – 154 Gregory Boulevard, Norwalk, CT

Sample ID	HA	Material	Quantity	Condition	Location
1, 2, 3	1	Duct insulation	60 ft3	Good	Basement ductwork
4, 5, 6	2	R-60 thermal insulation	10 ft3	Good	Basement ductwork
7, 8, 9	3	Sheetrock and joint compound	240 SF	Good	Basement ceiling
10, 11, 12	4	Fiberglass insulation	5 ft3	Poor	Around windows in basement
13, 14, 15	5	Plaster around windows	>1 ft3	Good	Near window by washer/dryer in basement
16, 17, 18	6	Black roof paper of floor	240 SF	Poor	Basement floor
19, 20, 21	7	Carpet glue	2 SF	Poor	Flooring at toe of stairs

Notes:
HA = Homogeneous Area
SF = Square Feet
LF = Linear Feet
ft3 = Cubic Feet

Appendix E

Laboratory Analytical Data

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

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

Client: Mr. David Vasiliou
Triton Environmental
385 Church St.
Guilford, CT 06437

Analytical Report
CET# 4090421

Report Date: September 25, 2014
Project: 104318 (1231)
Project Number: 104318
PO Number: 104318

Connecticut Laboratory Certificate: PH 0116
Massachussetts laboratory Certificate.: M-CT903

New York Certification: 11982
Rhode Island Certification: 199

CET #:4090421
Project: 104318 (1231)
Project Number: 104318

SAMPLE SUMMARY

The sample(s) were received at 20.3°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
W-1	4090421-01	Wipe	9/16/2014 12:00	09/16/2014
W-2	4090421-02	Wipe	9/16/2014 12:00	09/16/2014
W-3	4090421-03	Wipe	9/16/2014 12:00	09/16/2014
PCB-1	4090421-04	Solid	9/16/2014 11:00	09/16/2014
SS-1	4090421-05	Soil	9/16/2014 12:30	09/16/2014
SS-2	4090421-06	Soil	9/16/2014 12:30	09/16/2014

Analyte: Total Solids [EPA 160.3 modified] **Analyst: MH**

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4090421-05	SS-1	**77**	1.0	%	1	B4I1936	09/19/2014	09/22/2014 00:00	
4090421-06	SS-2	**76**	1.0	%	1	B4I1936	09/19/2014	09/22/2014 00:00	

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
4090421-05	SS-1	**620**	2.6	mg/kg dry	1	B4I2223	09/22/2014	09/23/2014 14:44	
4090421-06	SS-2	**600**	2.6	mg/kg dry	1	B4I2223	09/22/2014	09/23/2014 15:13	

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
4090421-01	W-1	**160**	1.0	ug	1	B4I1930	09/19/2014	09/22/2014 15:48	
4090421-02	W-2	**6.6**	1.0	ug	1	B4I1930	09/19/2014	09/22/2014 15:53	
4090421-03	W-3	**3300**	1.0	ug	1	B4I1930	09/19/2014	09/22/2014 16:07	

CET #:4090421
Project: 104318 (1231)
Project Number: 104318

Client Sample ID PCB-1
Lab ID: 4090421-04

PCBs by Soxhlet **Analyst: SJ**

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	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1221	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1232	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1242	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1248	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1254	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1260	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1268	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
PCB-1262	ND	0.80	4	EPA 3540C	B4I1729	09/17/2014	09/20/2014 13:18	
Surrogate: TCMX	*86.0 %*	*50 - 150*			B4I1729	09/17/2014	*09/20/2014 13:18*	
Surrogate: DCB	*91.0 %*	*50 - 150*			B4I1729	09/17/2014	*09/20/2014 13:18*	

QUALITY CONTROL SECTION

Batch B4I1729 - 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 (B4I1729-BLK1)					Prepared: 9/17/2014 Analyzed: 9/19/2014				
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					*62.9*	*50 - 150*			
Surrogate: DCB					*94.0*	*50 - 150*			
LCS (B4I1729-BS1)					Prepared: 9/17/2014 Analyzed: 9/19/2014				
PCB-1016	0.698	0.20	1.000		69.8	50 - 150			
PCB-1260	0.819	0.20	1.000		81.9	50 - 150			
Surrogate: TCMX					*66.5*	*50 - 150*			
Surrogate: DCB					*92.6*	*50 - 150*			

CET #:4090421
Project: 104318 (1231)
Project Number: 104318

Batch B4I1930 - EPA 6010C

Analyte	Result (ug)	RL (ug)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B4I1930-BLK1)					Prepared: 9/19/2014 Analyzed: 9/22/2014				
Lead	ND	1.0							

CET #:4090421
Project: 104318 (1231)
Project Number: 104318

Batch B4I2223 - EPA 6010C

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B4I2223-BLK1)					Prepared: 9/22/2014 Analyzed: 9/23/2014				
Lead	ND	2.0							
LCS (B4I2223-BS1)					Prepared: 9/22/2014 Analyzed: 9/23/2014				
Lead	25.0	2.0	25.000		100	80 - 120			
Duplicate (B4I2223-DUP1)		**Source: 4090421-05**			Prepared: 9/22/2014 Analyzed: 9/23/2014				
Lead	609	2.6		615			1.06	35	
Matrix Spike (B4I2223-MS1)		**Source: 4090421-05**			Prepared: 9/22/2014 Analyzed: 9/23/2014				
Lead	644	2.6	32.597	615	86.4	75 - 125			
Matrix Spike Dup (B4I2223-MSD1)		**Source: 4090421-05**			Prepared: 9/22/2014 Analyzed: 9/23/2014				
Lead	#	2.6	32.597	615	#	75 - 125	#	35	#

CET #:4090421
Project: 104318 (1231)
Project Number: 104318

Batch S4I1910 - EPA 8082A

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Calibration Check (S4I1910-CCV1)					Prepared: 9/19/2014 Analyzed: 9/20/2014				
PCB-1016	1070		1,000.000		107	80 - 120			
PCB-1260	1200		1,000.000		120	80 - 120			
Surrogate: TCMX					*106*	*50 - 150*			
Surrogate: DCB					*125*	*50 - 150*			

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.

CET #:4090421
Project: 104318 (1231)
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:

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.

4090421

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

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 Pb; 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 Pb	TCLP	SPLP	Field Filtered	Lab To Filter	Additional Analysis	TOTAL # OF CONT.	NOTE #
W-1		9/16 /1200	Wipe				/												X							
W-2		9/16 /1200	Wipe				/												X							
W-3		9/16 /1200	Wipe				/												X							
PCB-1		9/16 /1100	Floating Paper												X											
SS-1	6"	9/16 /1230	S																X							
SS-2	6"	9/16 /1230	S																X							

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:
	9/16 14:02	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES: 104318 - 154 Gregory Blvd. Norwalk, CT
Site # 1231

Client / Reporting Information

Company Name: Triton Environmental
Address: 385 Church St
City: Guilford State: CT Zip: 06437
Report To: Dave Vasilou E-mail: dvasilou@tritonenvironmental.com
Phone #: 203-458-7200 Fax #:

Project Information

Project Contact: Dave Vasilou PO #: 104318
Project: Site #1231 Project #: 104318
Location: Norwalk, CT Collector(s): BNS/ADP

QA/QC: [X] Std [ ] Site Specific (MS/MSD) * [ ] RCP Pkg * [ ] DQAW *
Data Report: [X] PDF [ ] EDD - Specify Format _____ [ ] Other _____
RSR Reporting Limits (check one): [ ] GA [ ] GB [ ] SWP [ ] Other _____
Laboratory Certification Needed (check one): [X] CT [ ] NY [ ] RI [ ] MA
Temp Upon Receipt 20.3°C Evidence of Cooling: (Y) N
SHEET 1 OF 1

* 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
Phone/Fax: (800) 220-3675 / (856) 786-0327
http://www.EMSL.com cinnaminsonradonlab@emsl.com

EMSL Order:	381405403
CustomerID:	TRIT52
CustomerPO:	
ProjectID:	

Attn: **Dave Vasilion**
Triton Environmental, Inc.
HIS NAME DOES NOT END WITH "N"
Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	09/22/14 4:14 PM
Analysis Date:	9/23/2014
Collected:	9/16/2014

Project: **Aprea #1231 / 154 Greggory Blvd**

Test Site: **Aprea #1231**
154 Greggory Blvd
Norwalk, CT 06855

Test Report: Radon in Air Test Results

Samples for EMSL Kit 99327

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
167011	Basement		9/16/2014	9/18/2014	78	75	Customer
381405403-0001			1:00:00 PM	4:00:00 PM			
Sample Notes:	Not Analyzed Radon sample received open; could not analyze						
167109	Basement	8.2	9/16/2014	9/18/2014	78	75	Customer
381405403-0002			1:00:00 PM	4:00:00 PM			
Sample Notes:							
Summary for EMSL kit 99327		**Average Radon Result:**	**4.1 pCi/L**				

The results indicate that at least one testing device registered at or above 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 (1)

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

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 09/24/2014 16:23:48

Please visit www.radontestinglab.com

OrderID: 381405403

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

381405403 RECEIVED EMSL CINNAMINSON, N.J.
2014 SEP 22 P 4:12

DOM: 4/8/14
EXP: 4/8/15 #2

TRT62
5day

Radon In Air Data Sheet

Send Written Report To:

Name Dave Vasilios
Address 385 Church ST
City Guilford State CT Zip 06437
Phone 203 458 7200 Fax 2054587201
Email dvasilios@hrlenvironmental.com
Technician Name Brian S
Technician Certification #
Technician Signature

1ST RED VIAL # 167011 recd open

LOCATION

X Basement ☐ First Floor ☐ Bedroom ☐ Den
☐ Living Room ☐ Other
☐ Location in Room On Table

2ND RED VIAL # 167109
(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 # 9932 J (Outside of Box)

Tear Here

Property Tested:

Name Aprea #1231
Address 154 Gregory Blvd
City Norwalk
Municipality County Fairfield
State CT Zip 06855
☐ Check here if this is a Post Mitigation test.
Technician Name
Technician Certification #
Technician Signature

INDOOR CONDITIONS

Temperature 78 °F Humidity 85 % 75

CHANGE DUE TO CALIBRATION FACTOR TC 9/24/14

EXPOSURE PERIOD

Beginning Date: 9 / 16 / 14
Time: 1:00 AM / PM (Circle)

Ending Date: 9 / 18 / 14
Time: 4:00 AM / PM (Circle)

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

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:	041427383
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:	09/18/14 9:10 AM
Analysis Date:	10/1/2014
Collected:	9/16/2014

Project: **104318 / Site #1231 / 154 Gregory Blvd, Norwalk, CT**

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
1 *041427383-0001*	- Insulation On Ducts	Silver/Clear Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 1			
2 *041427383-0002*	- Insulation On Ducts	Silver/Clear Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 1			
3 *041427383-0003*	- Insulation On Ducts	Silver/Clear Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 1			
4 *041427383-0004*	- R-60 Thermal Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 2			
5 *041427383-0005*	- R-60 Thermal Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 2			
6 *041427383-0006*	- R-60 Thermal Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 2			
7-Sheetrock *041427383-0007*	- Sheetrock + Joint Compound	Brown/White Fibrous Homogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
			HA: 3			

Analyst(s)
Amy Johnson (8)
Olivia Feriozzi (17)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 10/01/2014 11:52:07

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:	041427383
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:	09/18/14 9:10 AM
Analysis Date:	10/1/2014
Collected:	9/16/2014

Project: **104318 / Site #1231 / 154 Gregory Blvd, Norwalk, CT**

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
7-Joint Compound *041427383-0007A*	- Sheetrock + Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 3			
8-Sheetrock *041427383-0008*	- Sheetrock + Joint Compound	Brown/White Fibrous Homogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
			HA: 3			
8-Joint Compound *041427383-0008A*	- Sheetrock + Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 3			
9-Sheetrock *041427383-0009*	- Sheetrock + Joint Compound	Brown/White Fibrous Homogeneous	15% 3%	Cellulose Glass	82% Non-fibrous (other)	**None Detected**
			HA: 3			
9A-Joint Compound *041427383-0009A*	- Sheetrock + Joint Compound	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 3			
10 *041427383-0010*	- Fiberglass Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 4			
11 *041427383-0011*	- Fiberglass Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 4			

Analyst(s)
Amy Johnson (8)
Olivia Feriozzi (17)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 10/01/2014 11:52:07

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
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385 Church Street
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Guilford, CT 06437

Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	09/18/14 9:10 AM
Analysis Date:	10/1/2014
Collected:	9/16/2014

Project: **104318 / Site #1231 / 154 Gregory Blvd, Norwalk, CT**

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
12 *041427383-0012*	- Fiberglass Insulation	Pink Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
			HA: 4			
13 *041427383-0013*	- Window Plaster	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 5			
14 *041427383-0014*	- Window Plaster	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 5			
15 *041427383-0015*	- Window Plaster	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
			HA: 5			
16-Tar *041427383-0016*	- Black Roof Paper On Floor	Black Non-Fibrous Homogeneous			94% Non-fibrous (other)	**6% Chrysotile**
			HA: 6			
16-Tar Paper *041427383-0016A*	- Black Roof Paper On Floor	Black Fibrous Homogeneous	25%	Cellulose	75% Non-fibrous (other)	**None Detected**
			HA: 6			
17-Tar *041427383-0017*	- Black Roof Paper On Floor					**Stop Positive (Not Analyzed)**
			HA: 6			

Analyst(s)
Amy Johnson (8)
Olivia Feriozzi (17)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 10/01/2014 11:52:07

EMSL Analytical, Inc.
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Phone:	(203) 458-7200
Fax:	(203) 458-7201
Received:	09/18/14 9:10 AM
Analysis Date:	10/1/2014
Collected:	9/16/2014

Project: **104318 / Site #1231 / 154 Gregory Blvd, Norwalk, CT**

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**
17-Tar Paper *041427383-0017A*	- Black Roof Paper On Floor	Black Fibrous Homogeneous	25%	Cellulose	75%	Non-fibrous (other)	**None Detected**
		HA: 6					
18-Tar *041427383-0018*	- Black Roof Paper On Floor						**Stop Positive (Not Analyzed)**
		HA: 6					
18-Tar Paper *041427383-0018A*	- Black Roof Paper On Floor	Black Fibrous Homogeneous	35%	Cellulose	65%	Non-fibrous (other)	**None Detected**
		HA: 6					
19 *041427383-0019*	- Carpet Glue	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
		HA: 7					
20 *041427383-0020*	- Carpet Glue	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
		HA: 7					
21 *041427383-0021*	- Carpet Glue	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
		HA: 7					

Analyst(s)
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Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

Initial report from 10/01/2014 11:52:07

OrderID: 041427383

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 Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041427383

Company: Triton Environmental, Inc.	**EMSL-Bill to:** ☐ Different ☑ Same 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 ☑ E-mail ☐ Mail
U.S. State Samples Taken: CT	**Connecticut Samples:** ☐ Commercial ☒ Residential

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.*

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

☒ **Check For Positive Stop – Clearly Identify Homogenous Group** **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Brian Sirowich **Samplers Signature:** B. Sirowich

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-3	Insulation on Ducts	1	9/6
4-6	R-60 Thermal Insulation	2	9/6
7-9	Sheetrock & Joint Compound	3	9/6
10-12	Fiberglass Insulation	4	9/6
13-15	Window Plaster	5	9/6
16-18	Black Roof Paper on Floor	6	9/6
19-21	Carpet Glue.	7	9/6

RECEIVED SEP 18 2014 CINNAMINSON, N.J.

Client Sample # (s): 1 - 21 **Total # of Samples:** 21 minimum

Relinquished (Client): B. Sirowich **Date:** 9/6 **Time:** 2:00

Received (Lab): FF EMSL FX **Date:** 9/18/14 **Time:** 9/0

Comments/Special Instructions:
Site # 1231 154 Gregory Blvd, Norwalk, CT