

SECTION 028319 – LEAD HAZARD REMEDIATION

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Limited Lead Based Paint Inspection, Big East Environmental, Inspection Date October 23, 2018
Limited Lead Based Paint Inspection, Big East Environmental, Inspection Date November 28, 2018
- B. Supplemental Inspection (Data Gaps), Fuss & O'Neill, Inc. – Inspection Date December 12, 2018
 - Lead in Soil – Laboratory Report
 - Lead in Dust – Laboratory Report
 - Confirmatory Lead Chip – Laboratory Report
 - XRF Lead Determination Field Data Sheet
- C. Site Diagrams

1.2 SUMMARY OF WORK

- A. Work of this Section includes requirements for worker protection, regulated area control measures and waste disposal related to lead in dust cleaning activities involving window well /troughs and paint stabilization of lead-based paint (LBP)-coated door jamb surfaces utilizing 1.0 mg/cm² as the regulatory level (the “Work”) identified during a lead based paint inspection required for a potential childcare program at Stratfield Elementary School located at 1407 Melville Avenue, Fairfield, Connecticut (the “Site”).
- B. Required training of all workers involved with lead in surface dust cleaning and paint stabilization operations involving identified lead in dust and defective LBP hazards, shall have completed a minimum of 8 hours of Lead Safe Renovator training in accordance with the Environmental Protection Agency (EPA). The Contractor shall be an EPA Certified Lead Safe Contractor or shall be a licensed Lead Abatement Contractor in accordance with the Connecticut Department of Public Health (CT DPH) regulations.
- C. The EPA Renovation, Repair, and Painting (RRP) requirements apply to buildings that are target housing or child-occupied facilities with children under the age of six. The Site is currently utilized as an elementary school and is considered a child occupied structure.
- D. The removal of lead dust and stabilization of defective LBP on surfaces can result in dust and debris exposing workers to levels of lead above the Occupational Safety and Health Administration (OSHA) "Action Level". Worker protection, training, and engineering controls referenced herein shall be strictly adhered to, until completion of exposure assessment with results indicating exposures below the “Action Level”.

- E. **The following lead-based painted building materials within the proposed childcare area at the Site were identified as defective and shall be removed of all loose, flaking or defective paint and recoated with a minimum of two coats of new paint (stabilized):**
1. **Deteriorated Blue Paint on Metal Door Jamb to Room 207**
- F. **The following components within the proposed childcare area at the Site were identified to be contaminated with lead dust and shall be cleaned using damp rags and a lead cleaning agent in a manner so as to not create liquid waste or an indoor air quality/odor concern:**
1. **Window Wells /Troughs of windows within Lower Level Rooms 2, 5, 6, Computer Lab 100 and First Floor Classrooms 206 & 207 and Bathroom 1 between 206 & 207.**
- G. Responsibilities of the Lead-Safe Renovation Contractor: The responsible party of the Lead-Safe Renovation Contractor or other entity conducting renovation work shall ensure the following:
1. All persons performing lead remediation work are responsible persons or employees of the Lead-Safe Renovation Contractors.
 2. A person who is Certified as a Lead-Safe Renovator Supervisor or a licensed Lead Abatement Supervisor (hereinafter referred to as Supervisor) shall be assigned to the project for each contractor performing remediation work where lead dust will be cleaned and paint disturbed and stabilized, and be on-site at all times during Lead Remediation Work.
 3. All workers performing Lead Remediation shall be certified as Lead-Safe Renovator or have received requisite training as required by the EPA or the CTDPH regulations.
 4. Prior to the start of work the Lead-Safe Renovation Contractor shall ensure pre-renovation notification requirements for providing EPA Pamphlet are followed.
 5. The Lead-Safe Renovation Contractor and Supervisor shall ensure that lead safe work practice requirements are utilized in accordance with EPA RRP Rule and the CTDPH lead regulations
 6. The required recordkeeping documentation of the Lead-Safe Renovation work shall be maintained as required.
- H. Responsibilities of Lead-Safe Renovation Supervisors: The responsible party of the Lead-Safe Renovation Contractor shall ensure the following:
1. The Supervisor shall be assigned to the project that the contractor performing the lead remediation work where lead dust is to be cleaned and paint is to be stabilized and be on site at all times during Lead-Safe Renovation Work.
 2. The Lead Safe Renovation Supervisor shall oversee and ensure that lead work practice requirements are utilized in accordance EPA RRP Rule and CTDPH regulations.
 3. Upon the completion of work conduct the required visual clearance inspection and cleaning verification as required by the RRP Rule.
- I. The Consultant will collect clearance dust wipe samples from all remediation areas identified in the plan, as required by the CTDPH, to ensure the Site was properly cleaned. Dust wipe results will be available upon 48 hours of laboratory receipt of samples. Dust wipe samples will be collected from window trough and floor locations. Results of all samples collected shall have lead in dust levels that are below the following clearance criteria for re-occupancy:

1. Floors – 40 mg/SF (micrograms per square foot);
 2. Window sills – 250 mg/SF
 3. Window wells – 400 mg/SF
- J. LBP-chips, dust /cleaning rags, protective clothing and polyethylene sheeting shall be collected in a labeled hazardous waste container for disposal as lead waste or sample collection and analysis by TCLP to determine proper off-site waste disposal.

1.3 DEFINITIONS

- A. The following definitions relative to lead paint as used in this Section are offered:

1. ACTION LEVEL (AL): The allowable employee exposure, without regard to use of respiratory protection, to an airborne concentration of lead over an eight (8) hour time weighted average (TWA), as defined by OSHA. The current action level is thirty micrograms per cubic meter of air (30 $\mu\text{g}/\text{m}^3$).
2. AREA MONITORING: The sampling of lead concentrations, which is representative of the airborne lead concentrations that may reach the breathing zone of personnel potentially exposed to lead.
3. BIOLOGICAL MONITORING: The analysis of a person's blood and/or urine, to determine the level of lead concentration in the body.
4. CHANGE ROOM: An area provided with separate facilities for clean protective work clothing and equipment and for street clothes which prevents cross-contamination.
5. COMPETENT PERSON: A person employed by the Contractor who is capable of identifying existing and predictable lead hazards in the surroundings or working conditions, and who has authorization to take prompt corrective measures to eliminate them as defined by OSHA.
6. EXPOSURE ASSESSMENT: An assessment conducted by an employer to determine if any employee may be exposed to lead at or above the action level.
7. "HIGH EFFICIENCY PARTICULATE AIR" (HEPA): A type of filtering system capable of filtering out particles of 0.3 microns diameter from a body of air at 99.97% efficiency or greater.
8. LEAD: Refers to metallic lead, inorganic lead compounds and organic lead soaps. Excluded from this definition are other organic lead compounds.
9. LEAD WORK AREA: An area enclosed in a manner to prevent the spread of lead dust, paint chips, or debris resulting from lead-containing paint disturbance.
10. LEAD PAINT: Refers to paints, glazes, and other surface coverings containing a toxic level of lead.
11. PERMISSIBLE EXPOSURE LIMIT (PEL): The maximum allowable limit of exposure to an airborne concentration of lead over an eight (8) hour time weighted average (TWA), as defined by OSHA. The current PEL is fifty micrograms per cubic meter of air (50 $\mu\text{g}/\text{m}^3$). Extended workdays lower the PEL by the formula: PEL equals 400 divided by the number of hours of work.
12. PERSONAL MONITORING: Sampling of lead concentrations within the breathing zone of an employee to determine the 8-hour time weighted average concentration in accordance with 29 CFR 1926.62 and 29 CFR 1910.1025. Samples shall be representative of the employee's work tasks. Breathing zone shall be considered an area within a sphere with a radius of 18 inches and centered at the nose or mouth of an employee.

13. RESOURCE CONSERVATION AND RECOVERY ACT (RCRA): RCRA establishes regulatory levels of hazardous chemicals. There are eight (8) heavy metals of concern for disposal: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Six (6) of the metals are typically found in paints, excluding selenium and silver.
14. TOXIC LEVEL OF LEAD: A level of lead, when present in dried paint or plaster, contains a level of lead greater than or equal to than 0.50% by dry weight as measured by atomic absorption spectrophotometry (AAS) or 1.0 mg/cm² as measured by on-site testing utilizing an x-ray fluorescence analyzer. (Term is specific to State of CT regulations and HUD guidelines only)
15. TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP): The U.S. Environmental Protection Agency (USEPA) required sample preparation and analysis for determining the hazard characteristics of a waste material.

1.4 REGULATIONS AND STANDARDS

- A. The following regulations, standards, and ordinances of federal, state, and local agencies are applicable and made a part of this specification by reference:
 1. American National Standards Institute (ANSI)
 - a. ANSI 288.2 – 1980 Respiratory Protection
 2. Code of Federal Regulation (CFR)
 - a. 29 CFR 1910.134 – Respiratory Protection
 - b. 29 CFR 1910.1025 – Lead
 - c. 29 CFR 1926.62 – Lead in Construction Interim Final Rule
 - d. 29 CFR 1910.1200 – Hazard Communication
 - e. 29 CFR 1926.59 – Hazard Communication in Construction
 - f. 29 CFR 1926.55 – Gases, Vapors, Fumes, Dusts, and Mists
 - g. 29 CFR 1926.57 – Ventilation
 - h. 40 CFR 260 – Hazardous Waste Management Systems: General
 - i. 40 CFR 261 – Identification and Listing of Hazardous Waste
 - j. 40 CFR 262 – Generators of Hazardous Waste
 - k. 40 CFR 263 – Transporters of Hazardous Waste
 - l. 40 CFR 264 – Owner and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
 - m. 40 CFR 265 – Interim Statutes for Owner and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
 - n. 40 CFR 268 – Lead Disposal Restrictions
 - o. 40 CFR 172 – Hazardous Materials Tables and Communication Regulations
 - p. 40 CFR 178 – Shipping Container Specifications
 - q. 40 CFR 270 and 124 – Hazardous Waste Permits
 - r. Underwriters Laboratories, Inc. (UL)
 - s. UL586 – 1990 High Efficiency Particulate Air Filter Units

1.5 QUALITY ASSURANCE

- A. Hazard Communication Program: The Contractor shall establish and implement a Hazard Communication Program as required by 29 CFR 1926.59.

- B. Compliance Plan (Site Specific): The Contractor shall establish a written compliance plan, which is specific to the project site, to include the following:
1. Methods of engineering controls to be used to control lead exposure.
 2. The proposed technology the Contractor will implement in meeting the PEL.
 3. Air monitoring data documenting the source of lead emissions.
 4. A detailed schedule for implementing the program, including documentation of appropriate supply of equipment, etc.
 5. Proposed work practice, which establishes proper protective work clothing, hygiene facilities, and practices.
 6. Worker rotation schedule, if proposed, to reduce TWA.
 7. A description of methods for informing workers of potential lead exposure.
- C. Medical Examinations:
1. Before exposure to lead contaminated dust, provide workers with a comprehensive medical examination as required by 29 CFR 1910.1025 and 29 CFR 1926.62.
 2. The examination shall not be required if adequate records show that employees have been examined as required by 29 CFR 1926.62 within the last year.
 3. Medical examination shall include, at a minimum, approval to wear respiratory protection and biological monitoring.
- D. Training: The Contractor shall ensure that workers are trained to perform lead paint disturbing activities and disposal operations prior to the start of work in accordance with 29 CFR 1926.62. The Contractor shall be a Certified Lead Safe Renovation Contractor and all workers shall have Lead Safe Renovator 8 hour training in accordance with EPA or the Contractor shall be a CTDPH licensed Lead Abatement Contractor and all workers CTDPH licensed Lead Abatement Workers.
- E. Respiratory Protection Program:
1. The Contractor shall furnish each employee required to wear a negative pressure respirator with a respirator fit test at the time of initial fitting and at least once every six (6) months thereafter as required by 29 CFR 1926.62.
 2. The Contractor shall establish a Respiratory Protection Program in accordance with ANSI Z88.2, 29 CFR 1910.134, and 29 CFR 1926.62.

1.6 SUBMITTALS

- A. The Contractor shall submit to the Owner and Consultant the following submittals prior to start of work:
1. Copies of medical records for each employee to be used on the project, including results of biological monitoring and a notarized statement by the examining physician that such an examination took place.
 2. Copies of workers' training certifications.
 3. Submit record of successful respirator fit testing performed by a qualified individual within the previous six (6) months, for each employee to be used on this project with the employee's name and social security number with each record.
 4. The name and address of Contractor's blood lead testing lab, OSHA- Center for Disease Control (CDC) listing, and Certification in the State of Connecticut.

5. The name and address of Contractor's personal air monitoring and waste disposal lead testing laboratory/ies.
6. Name, address, and ID number of the hazardous waste hauler, waste transfer route, and proposed disposal site.

B. The Contractor shall submit to the Owner/Consultant the following submittals during the job:

1. Results from personal air samples.
2. Medicals, certificates, and fit test 24 hours in advance of any new employee starting on the project.
3. Waste shipment record and waste profile for review by Consultant and approval for Owner to sign prior to waste leaving the Site.

C. The Contractor shall submit to the Owner/Consultant the following submittals upon completion of the work:

1. Copies of manifests, waste profile, and receipts acknowledging disposal of all waste material from the project showing delivery date, quantity, and appropriate signature of the landfill authorized representative.

1.7 PERSONAL PROTECTION

A. Exposure Assessment:

1. The Contractor shall determine if any worker will be exposed to lead at or above the action level.
2. The exposure assessment shall identify the level of exposure a worker would be subjected to without respiratory protection.
3. The exposure assessment shall be achieved by obtaining personal monitoring samples representative of a full shift at least (8-hour TWA).
4. During the period of the exposure assessment, the Contractor shall institute the following procedures for protection of workers:
 - a. Protective clothing shall be utilized
 - b. Respiratory protection
 - c. Change areas shall be provided
 - d. Hand washing facilities and shower
 - e. Biological monitoring
 - f. Training of workers

B. Respiratory Protection:

1. The Contractor shall furnish appropriate respirators approved by the National Institute of Occupational Safety and Health (NIOSH)/Mine Safety and Health Administration (MSHA) for use in atmospheres containing lead dust.
2. Respirators shall comply with the requirements of 29 CFR 1926.62.
3. Workers shall be instructed in all aspects of respiratory protection.
4. The Contractor shall have an adequate supply of HEPA filter elements and spare parts on site for all types of respirators in use.

5. The following minimum respirator protection for use during paint removal or demolition of components and surfaces with lead paint shall be the $\frac{1}{2}$ mask air purifying respirator with high efficiency filters for exposures (not in excess of $500 \mu\text{g}/\text{m}^3$ or 10 x PEL).

C. Protective Clothing:

1. Personal protective clothing shall be provided for all workers, supervisors, and authorized visitors entering the work area.
2. Each worker shall be provided disposable coverall suits each time they enter the work area.
3. Removal workers shall not be limited to two (2) suits, and the Contractor shall supply additional suits as necessary.
4. Under no circumstances shall anyone entering the abatement area be allowed to re-use a contaminated disposable suit.
5. Disposable suits, such as TYVEK suits, and other personal protective equipment (PPE) shall be donned prior to entering the lead work area. A change room shall be provided for workers to put on suits and other personal protective equipment with separate areas to store their street clothes.
6. Eye protection for personnel engaged in lead operations shall be furnished when the use of a full-face respirator is not required.
7. Goggles with side shields shall be worn when working with power tools or a material that may splash or fragment, or if protective eye wear is specified on the Safety Data Sheet (SDS) for a particular product to be used on the project.

1.8 PERSONAL MONITORING

- A. General. The Contractor is required to perform the personal air sampling activities during lead paint disturbing work. The results of such sampling shall be posted, provided to individual workers, and submitted to the Owner as described herein.
- B. Sampling. Samples shall be taken for the duration of the work shift or for eight hours, whichever is less. Personal samples shall be taken every day after the first day. If the Contractor determines that conditions and methods have not changed and does not continue sampling everyday he/she shall provide appropriate Negative Exposure Assessment for the Project record. The Negative Exposure Assessment validity is the Contractor's responsibility. The Consultant and Owner will not approve. Sampling will be used to determine eight-hour time-weighted averages (TWA). The Contractor is responsible for personal sampling as outlined in OSHA Standard 29 CFR 1926.62 and 29 CFR 1910.1025.
- C. Sampling Results. Air sampling results shall be reported to individual workers in written form no more than forty-eight (48) hours after the completion of a sampling cycle. The reporting document shall list each sample's result, sampling time and date, personnel monitored and their social security numbers, flow rate, sample duration, sample yield, cassette size, and analysts' name and company, and shall include an interpretation of the results. Air sample analysis results will be reported in micrograms/cubic meter ($\mu\text{g}/\text{m}^3$).
- D. Testing Laboratory. The Contractor's testing lab shall be participating in the American Industrial Hygiene Association's (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP). The Contractor shall submit to the Consultant for review and acceptance, the name and address of the laboratory, certification(s) of AIHA participation, a listing of relevant experience in air lead analysis, and presentation of a documented Quality Assurance and Quality Control Program.

PART 2 – PRODUCTS

2.1 GENERAL

- A. Any substitution in materials, equipment, or methods to those specified shall be approved by the Owner prior to use. Any requests for substitution shall be provided in writing to the Owner. The request shall clearly state the rationale for the substitution.
- B. Submit to the Owner product data of all materials and equipment and samples of all materials to be considered as an alternate.
- C. Product data shall consist of manufacturer; catalog sheets, brochures, diagrams, schedules, performance charts, illustrations, Safety Data Sheet (SDS), and other standard descriptive data. Submittal data shall be clearly marked to identify pertinent materials, products or equipment and show performance characteristics and capacities.
- D. Samples shall be of sufficient size and quantity to clearly illustrate the functional characteristics of the product or material with integrally related parts and attachment devices.

2.2 MATERIALS AND PRODUCTS

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the job including protective clothing, respirators, filter cartridges, polyethylene sheeting of proper size and thickness, tape, and air filters.
- D. Materials:
 - 1. Polyethylene sheet in a roll size to minimize the frequency of joints shall be delivered to job site with factory label indicating 6 mil.
 - 2. Polyethylene disposable bags shall be six (6) mil. Tie wraps for bags shall be plastic, five (5) inches long (minimum), pointed, and looped to secure filled plastic bags.
 - 3. Tape or adhesive spray will be capable of sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.
 - 4. Impermeable containers are to be used to receive and retain any lead containing or contaminated materials until disposal at an acceptable disposal site. (The containers shall be labeled in accordance with EPA and DOT standards.)
 - 5. HEPA filtered exhaust systems shall be used during powered dust generating abatement operations. The use of powered equipment without HEPA exhausts is prohibited.

2.3 TOOLS AND EQUIPMENT

- A. Provide suitable tools for all lead disturbing operations.

- B. The Contractor shall have available power cables or sources such as generators (where required).
- C. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining 99.97% of all mono-dispersed particles of 0.3 micrometers in diameter.

PART 3 – EXECUTION

3.1 WORKER PROTECTION/TRAINING

- A. The Contractor shall provide appropriate training, respiratory and other personal protection, and biological monitoring for each worker and ensure proper usage during potential lead exposure and the initial exposure assessment.

3.2 CONTRACTOR'S RESPONSIBILITIES

- A. The Contractor is responsible for establishing and maintaining controls referenced herein to prevent dispersal of lead contamination from the lead work area.
- B. The Contractor is also responsible for conducting work with applicable federal, state, and local regulations as referenced herein.

3.3 WORKER HYGIENE PRACTICES

- A. Required during initial exposure assessment and if results of air sampling are above OSHA Action Level.
- B. Work Area Entry. Workers shall don personal protective equipment prior to entering the work area, including respiratory protection, disposable coveralls, gloves, headgear, and footwear.
- C. Work Area Departure. While leaving respirators on, workers shall remove all gross contamination, debris, and dust from disposable coveralls and proceed to change room and remove coveralls and footwear and place in hazardous waste disposal container.
- D. Hand washing Facilities. All workers must wash their hands and faces upon leaving the work area.
- E. Equipment. All equipment used by workers inside the work area shall be wet wiped or bagged for later decontamination before removal from the work area.
- F. Prohibited Activities. Under no circumstances shall workers eat, drink, smoke, chew gum, or tobacco, or remove their respirators in the work area.
- G. Shock Hazards. The Contractor is responsible for using safe procedures to avoid electrical hazards. All temporary electrical wiring will be protected by ground fault circuit interrupters (GFCI).

3.4 LEAD WORK AREA

- A. Required during initial exposure assessment and if results of air sampling are above OSHA Action Level.

- B. The Contractor shall place warning signs at all entrances and exits from the work area. Signage shall be a minimum of 20" x 14" and shall state the following:

**DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA**

- C. The Contractor shall designate a change room as specified in this Section. The change room shall consist of two (2) layers of sheeting on the floor surface abutting the lead work area. The change room shall have separate storage facilities for street clothes to avoid cross contamination.
- D. The Contractor shall provide potable water for hand and face washing and provide a portable shower unit.
- E. The Contractor shall place six-mil polyethylene drop clothes on floor/ ground surfaces prior to beginning remediation work to protect the surfaces from potential contamination and facilitate clean-up.

3.5 WORK AREA CLEAN UP

- A. The Contractor shall remove all loose chips, dust and debris from the identified door jamb surfaces and place in hazardous waste disposal bags.
- B. The Contractor shall HEPA vacuum all surfaces to remove dust and debris.
- C. Paint stabilization of the door jamb shall include coating with at least 2 layers of paint after loose, flaking and deteriorated paint has been removed and the area cleaned.
- D. Polyethylene drop cloths shall be properly disposed of.

3.6 WASTE DISPOSAL

- A. The Contractor shall be responsible for proper containerization, labeling and disposal of confirmed (by TCLP sample) or assumed lead remediation waste.
- B. The Contractor's contractual liability shall be the proper disposal of all non-hazardous and hazardous wastes generated at the Site in accordance with all applicable federal, state, and local regulations as referenced herein.

END OF SECTION 0283



SUBJECT SITE:	Stratfield Elementary School 1407 Melville Avenue Fairfield, CT 06825
CLIENT:	Fairfield Public Schools Maintenance Department 418 Meadow Street Fairfield, CT 06824
INSPECTION DATE:	October 23, 2018
BIG EAST PROJECT #:	18591

LTD. LEAD BASED PAINT INSPECTION

Introduction

Big East Environmental conducted a limited lead based paint inspection at the above referenced subject site. The subject site serves as a public elementary school. The inspection was limited to readily accessible surfaces of areas of the school to be utilized by after school activity services as directed to us by the client.

Methods

Eric Gelhaus, Lead Inspector (license number #00252) performed the testing using a Heuresis pb200i XRF analyzer. The lead based paint survey typically test representative surfaces for each room/ area that include: four walls, ceiling, baseboard, door components, window components, and any miscellaneous items such as closets, cabinets, shelving, radiators, etc. If a building component tests positive for lead based paint, then all similar building components shall be assumed to contain lead-based paint, provided that the components are of the same type, age, and appearance. Dust wipe samples were also collected as part of the inspection. Dust wipe samples were collected from floor, window sill, and window troughs in the applicable rooms. Dust wipe samples were collected for analysis by Flame AAS (SW 846).

Findings

Connecticut Department of Public Health and US Department of Housing and Urban Development have set 1.0 milligrams/square centimeter (mg/cm²) or above as the definition of lead based paint (LBP). The total lead on the report is the reading of lead in all of the paint layers down to the substrate. A positive result (POS) is a confirmed reading at or above 1.0 mg/cm², a negative result (NEG) is a confirmed reading below 1.0 mg/cm².

- Lead-based paint HAS been identified.
- Defective lead based paint WAS NOT present.
- Dust wipe samples DID reveal levels of lead above action levels.

Table I – Surfaces Containing Lead Based Paint

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Staircase 3	Wall	A	Brick	Intact	White
Staircase 3	Wall	B	Brick	Intact	White
Staircase 3	Wall	C	Brick	Intact	White

1 Friction Surface

2 Chewable surface

Table II –Lead Dust Results

ID	LOCATION	SAMPLE AREA	RESULT	HUD Clearance Criteria
01	Hall 1 - Window Trough	1.302 ft ²	62.9 µg/ft ²	400 µg/ft ²
02	Hall 1 - Window Sill	2.344 ft ²	<4.3 µg/ft ²	250 µg/ft ²
03	Hall 1 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
04	Bath 1 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
05	Bath 2 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
06	Stair 1 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
07	Stair 2 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
08	Hall 2 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
09	Room 1 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
10	Hall 3 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
11	Hall 2 - Window Sill	1.000 ft ²	<10 µg/ft ²	250 µg/ft ²
12	Hall 2 - Window Trough	0.563 ft ²	221.7 µg/ft ²	400 µg/ft ²
13	Bath 3 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
14	Bath 3 - Window Sill	1.417 ft ²	<7.1 µg/ft ²	250 µg/ft ²
15	Bath 4 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
16	Bath 4 - Window Sill	1.417 ft ²	<7.1 µg/ft ²	250 µg/ft ²
17	Hall 4 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
18	Hall 5 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
19	Room 3 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
20	Room 4 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
21	Room 5 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
22	Room 5 - Window Sill	1.000 ft ²	<10 µg/ft ²	250 µg/ft ²
23	Room 5 - Window Trough	0.896 ft ²	3942 µg/ft ²	400 µg/ft ²
24	Room 6 - Floor	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
25	Room 6 - Window Sill	1.000 ft ²	<10 µg/ft ²	250 µg/ft ²
26	Room 6 – Window Trough	1.000 ft ²	1890 µg/ft ²	400 µg/ft ²
27	Blank	0	<10 µg/ft ²	-
28	Blank	0	<10 µg/ft ²	-
29	Blank	0	<10 µg/ft ²	-



All samples were collected and delivered to SanAir Technologies Laboratory under chain of custody protocols.

Collection Method ASTM E1644-04

µg/ft micrograms per square foot

Please see attached sample location diagram.

The following clearance criteria have been set for levels of lead in dust for post abatement activities;

- 40 µg/ft² on floors
- 250 µg/ft² on window sills
- 400 µg/ft² on window troughs

This XRF and dust wipe sampling testing and report was performed according to all state guidelines for the testing of lead based paint in buildings by Big East Environmental under lead consultant contractor license number 002099.

Summary

Lead based paint HAS been identified during this inspection. Levels of lead in dust ARE above action levels. Please see site diagrams for room and surface identification.

DISCLOSURE

Big East Environmental, LLC was employed to complete a limited representative testing of toxic levels of lead in painted surfaces using X-Ray Fluorescence (XRF) analysis. Big East Environmental, LLC makes no guarantee that surfaces not tested do not contain toxic levels of lead. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the inspection. It should be understood that conditions may change due to deterioration or maintenance. The results and materials conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection. Also, due to variability when applying paint coats with a brush, roller, etc., surfaces may have tested below toxic levels of lead in one area of the component but have toxic levels of lead in other areas of the component not tested.

Sincerely,

A handwritten signature in black ink that reads "Eric Gelhaus".

Eric Gelhaus, Project Manager
Lead Inspector#002252

LEAD SURVEY - Basement



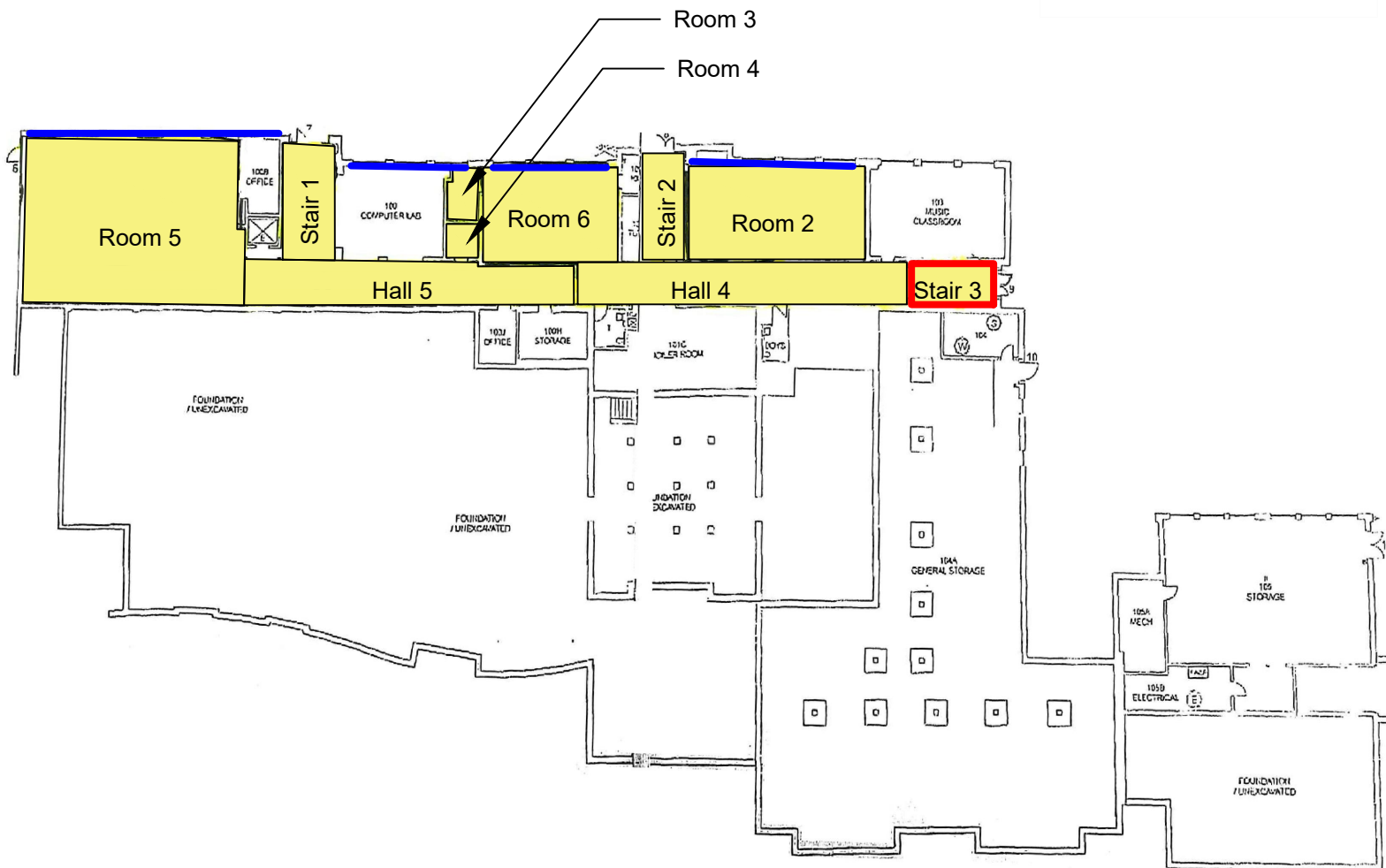
68 Water Street, Unit F
Norwalk, CT 06854
Drafted By: Eric Gelhaus
Drafted Date: 10/25/18
Project #: 18591

CLIENT:
Fairfield Public Schools
501 Kings Highway East
Fairfield CT

JOB LOCATION:
Stratfield Elementary
1407 Melville Ave
Fairfield CT

LEGEND:
 Lead Dust Positive
 XRF Lead Positive
 Survey Area

EXCLUSIONS:
Inspection was performed in identified areas only. See report for details.



NOT TO SCALE

LEAD BASED PAINT - POSITIVE XRF RESULTS

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Staircase 3	Wall	A	Brick	Intact	White
Staircase 3	Wall	B	Brick	Intact	White
Staircase 3	Wall	C	Brick	Intact	White

LEAD BASED PAINT - ELEVATED DUST WIPE RESULTS

ID	LOCATION	SAMPLE AREA	RESULT	HUD Clearance Criteria
23	Room 5 - Window Trough	0.896 ft ²	3942 µg/ft ²	400 µg/ft ²
26	Room 6 - Window Trough	1.000 ft ²	1890 µg/ft ²	400 µg/ft ²

LEAD SURVEY - 1st Floor



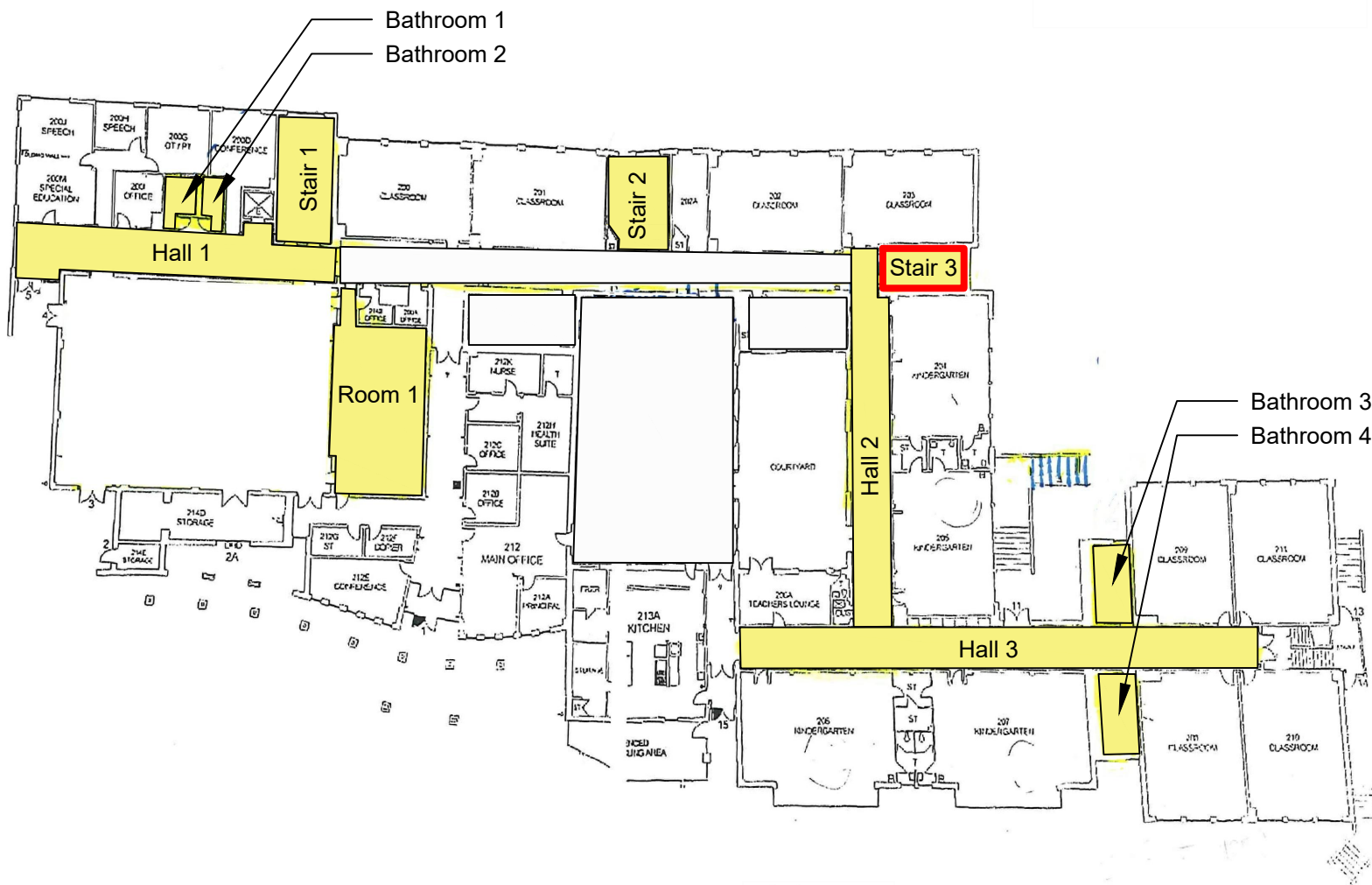
68 Water Street, Unit F
Norwalk, CT 06854
Drafted By: Eric Gelhaus
Drafted Date: 10/25/18
Project #: 18591

CLIENT:
Fairfield Public Schools
501 Kings Highway East
Fairfield CT

JOB LOCATION:
Stratfield Elementary
1407 Melville Ave
Fairfield CT

LEGEND:
■ Lead Dust Positive
■ XRF Lead Positive
■ Survey Area

EXCLUSIONS:
Inspection was performed in identified areas only. See report for details.



NOT TO SCALE

NOTE: BASED PAINT - POSITIVE XRF RESULTS

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Staircase 3	Wall	A	Brick	Intact	White
Staircase 3	Wall	B	Brick	Intact	White
Staircase 3	Wall	C	Brick	Intact	White

LEAD BASED PAINT - ELEVATED DUST WIPE RESULTS

ID	LOCATION	SAMPLE AREA	RESULT	HUD Clearance Criteria
23	Room 5 - Window Trough	0.896 ft ²	3942 µg/ft ²	400 µg/ft ²
26	Room 6 - Window Trough	1.000 ft ²	1890 µg/ft ²	400 µg/ft ²



Lead Based Paint XRF Inspection Data

Big East Environmental
68 Water Street, Unit F
Norwalk CT 06854

INSPECTION DATE:	10/23/2018 - 10/23/2018
REPORT NUMBER:	18591
INSTRUMENT TYPE:	Heuresis Corp. Pb200i XRF Lead Paint Analyzer 1039
ACTION LEVEL:	1.0 mg/cm ²
STATEMENT:	.

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18591
 Total Readings: 117
 Unit Started: 10/23/2018 15:47:43
 Unit Ended: 10/23/2018 17:57:31

Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
7	Negative	Off	Hall 1	A	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
8	Negative	Off	Hall 1	B	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
9	Negative	Off	Hall 1	C	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.1 mg/cm ²	Action Level
10	Negative	Off	Hall 1	D	Wall	Wall	Cinderblock	Intact	1st Floor	White	-0.1 mg/cm ²	Action Level
11	Negative	Off	Bathroom 1	A	Wall	Wall	Drywall	Intact	1st Floor	White	0.4 mg/cm ²	Action Level
12	Negative	Off	Bathroom 1	B	Wall	Wall	Drywall	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
13	Negative	Off	Bathroom 1	C	Wall	Wall	Drywall	Intact	1st Floor	White	0.1 mg/cm ²	Action Level
14	Negative	Off	Bathroom 1	D	Wall	Wall	Cinderblock	Intact	1st Floor	White	-0.3 mg/cm ²	Action Level
15	Negative	Off	Bathroom 2	A	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
16	Negative	Off	Bathroom 2	B	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
17	Negative	Off	Bathroom 2	C	Wall	Wall	Drywall	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
18	Negative	Off	Bathroom 2	D	Wall	Wall	Drywall	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
19	Negative	Off	Room 1	A	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
20	Negative	Off	Room 1	B	Wall	Wall	Cinderblock	Intact	1st Floor	White	-0.1 mg/cm ²	Action Level
21	Negative	Off	Room 1	C	Wall	Wall	Cinderblock	Intact	1st Floor	White	0.1 mg/cm ²	Action Level
22	Negative	Off	Room 1	D	Wall	Wall	Cinderblock	Intact	1st Floor	White	-0.1 mg/cm ²	Action Level
23	Negative	Off	Staircase 1	D	Wall	Wall	Brick	Intact	1st Floor	Natural	0.2 mg/cm ²	Action Level
24	Negative	Off	Staircase 1	A	Wall	Wall	Brick	Intact	1st Floor	Natural	0.3 mg/cm ²	Action Level

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18591
 Total Readings: 117
 Unit Started: 10/23/2018 15:47:43
 Unit Ended: 10/23/2018 17:57:31

Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
25	Negative	Off	Staircase 1	B	Wall	Wall	Brick	Intact	1st Floor	Natural	0.1 mg/cm ²	Action Level
26	Negative	Off	Staircase 1	C	Wall	Wall	Drywall	Intact	1st Floor	White	0.1 mg/cm ²	Action Level
27	Negative	Off	Staircase 2	A	Wall	Wall	Drywall	Intact	1st Floor	White	0.2 mg/cm ²	Action Level
28	Negative	Off	Staircase 2	B	Wall	Wall	Concrete	Intact	1st Floor	White	0.4 mg/cm ²	Action Level
29	Negative	Off	Staircase 2	C	Wall	Wall	Concrete	Deteriorated	1st Floor	White	0.0 mg/cm ²	Action Level
30	Negative	Off	Staircase 2	D	Wall	Wall	Concrete	Deteriorated	1st Floor	White	0.7 mg/cm ²	Action Level
31	Positive	Off	Staircase 3	A	Wall	Wall	Brick	Intact	1st Floor	White	7.3 mg/cm ²	Action Level
32	Positive	Off	Staircase 3	B	Wall	Wall	Brick	Intact	1st Floor	White	6.6 mg/cm ²	Action Level
33	Positive	Off	Staircase 3	C	Wall	Wall	Brick	Intact	1st Floor	White	4.5 mg/cm ²	Action Level
34	Negative	Off	Hall 2	A	Wall	Wall	Concrete	Intact	1st Floor	White	-0.1 mg/cm ²	Action Level
35	Negative	Off	Hall 2	B	Wall	Wall	Concrete	Deteriorated	1st Floor	White	-0.1 mg/cm ²	Action Level
36	Negative	Off	Hall 2	C	Wall	Wall	Concrete	Deteriorated	1st Floor	White	-0.1 mg/cm ²	Action Level
37	Negative	Off	Hall 2	D	Wall	Wall	Concrete	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
38	Negative	Off	Hall 3	A	Wall	Wall	Concrete	Deteriorated	1st Floor	White	0.1 mg/cm ²	Action Level
39	Negative	Off	Hall 3	B	Wall	Wall	Concrete	Deteriorated	1st Floor	White	-0.1 mg/cm ²	Action Level
40	Negative	Off	Hall 3	C	Wall	Wall	Concrete	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
41	Negative	Off	Hall 3	D	Wall	Wall	Concrete	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
42	Negative	Off	Bathroom 3	A	Wall	Wall	Tile	Intact	1st Floor	White	0.1 mg/cm ²	Action Level

Big East Environmental 68 Water Street, Unit F Norwalk CT 06854

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18591
 Total Readings: 117
 Unit Started: 10/23/2018 15:47:43
 Unit Ended: 10/23/2018 17:57:31

Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
43	Negative	Off	Bathroom 3	B	Wall	Wall	Tile	Intact	1st Floor	White	-0.1 mg/cm ²	Action Level
44	Negative	Off	Bathroom 3	C	Wall	Wall	Tile	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
45	Negative	Off	Bathroom 3	D	Wall	Wall	Tile	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
46	Negative	Off	Bathroom 4	A	Wall	Wall	Tile	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
47	Negative	Off	Bathroom 4	B	Wall	Wall	Tile	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
48	Negative	Off	Bathroom 4	C	Wall	Wall	Tile	Intact	1st Floor	White	0.1 mg/cm ²	Action Level
49	Negative	Off	Bathroom 4	D	Wall	Wall	Tile	Intact	1st Floor	White	0.0 mg/cm ²	Action Level
50	Negative	Off	Bathroom 4	C	Window	Sill	Metal	Intact	1st Floor	Black	0.0 mg/cm ²	Action Level
51	Negative	Off	Bathroom 4	C	Window	Casing	Metal	Intact	1st Floor	Black	0.0 mg/cm ²	Action Level
52	Negative	Off	Bathroom 3	A	Window	Casing	Metal	Intact	1st Floor	Black	0.1 mg/cm ²	Action Level
53	Negative	Off	Bathroom 3	A	Window	Sill	Metal	Intact	1st Floor	Black	0.0 mg/cm ²	Action Level
54	Negative	Off	Bathroom 3	C	Door	Jamb	Metal	Intact	1st Floor	Blue	0.1 mg/cm ²	Action Level
55	Negative	Off	Bathroom 3	C	Door	Door	Wood	Intact	1st Floor	Varnish	0.1 mg/cm ²	Action Level
56	Negative	Off	Bathroom 4	A	Door	Door	Wood	Intact	1st Floor	Varnish	0.1 mg/cm ²	Action Level
57	Negative	Off	Bathroom 4	A	Door	Jamb	Metal	Intact	1st Floor	Blue	0.5 mg/cm ²	Action Level
58	Negative	Off	Hall 3	A	Door	Jamb	Metal	Intact	1st Floor	Blue	0.2 mg/cm ²	Action Level
59	Negative	Off	Hall 3	A	Door	Door	Metal	Deteriorated	1st Floor	Blue	0.1 mg/cm ²	Action Level
60	Negative	Off	Hall 2	D	Door	Door	Metal	Intact	1st Floor	Black	0.6 mg/cm ²	Action Level

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18591
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 Unit Started: 10/23/2018 15:47:43
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Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
61	Negative	Off	Hall 2	D	Door	Jamb	Metal	Intact	1st Floor	Natural	0.1 mg/cm ²	Action Level
62	Negative	Off	Hall 2	D	Window	Sash	Metal	Intact	1st Floor	Black	0.5 mg/cm ²	Action Level
63	Negative	Off	Hall 2	D	Window	Interior Well-Trough	Metal	Intact	1st Floor	Black	0.3 mg/cm ²	Action Level
64	Negative	Off	Staircase 3	D	Door	Door	Metal	Deteriorated	1st Floor	Blue	0.1 mg/cm ²	Action Level
65	Negative	Off	Staircase 3	D	Door	Jamb	Metal	Intact	1st Floor	Blue	0.3 mg/cm ²	Action Level
66	Negative	Off	Staircase 2	C	Door	Jamb	Metal	Intact	1st Floor	Blue	0.2 mg/cm ²	Action Level
67	Negative	Off	Staircase 2	C	Door	Door	Metal	Deteriorated	1st Floor	Blue	0.1 mg/cm ²	Action Level
68	Negative	Off	Staircase 2	C	Door	Door	Metal	Deteriorated	1st Floor	Blue	0.0 mg/cm ²	Action Level
69	Negative	Off	Staircase 1	C	Door	Door	Metal	Deteriorated	1st Floor	Blue	0.1 mg/cm ²	Action Level
70	Negative	Off	Staircase 1	C	Door	Jamb	Metal	Deteriorated	1st Floor	Blue	0.2 mg/cm ²	Action Level
71	Negative	Off	Room 1	C	Door	Jamb	Metal	Intact	1st Floor	Blue	0.5 mg/cm ²	Action Level
72	Negative	Off	Room 1	C	Door	Door	Wood	Intact	1st Floor	Varnish	0.1 mg/cm ²	Action Level
73	Negative	Off	Bathroom 1	D	Door	Door	Wood	Intact	1st Floor	Varnish	0.2 mg/cm ²	Action Level
74	Negative	Off	Bathroom 2	B	Door	Door	Wood	Intact	1st Floor	Varnish	0.2 mg/cm ²	Action Level
75	Negative	Off	Bathroom 2	B	Door	Jamb	Metal	Intact	1st Floor	Blue	0.2 mg/cm ²	Action Level
76	Negative	Off	Bathroom 1	D	Door	Jamb	Metal	Intact	1st Floor	Blue	0.6 mg/cm ²	Action Level
77	Negative	Off	Hall 1	A	Door	Jamb	Metal	Intact	1st Floor	Blue	0.1 mg/cm ²	Action Level
78	Negative	Off	Hall 1	A	Door	Door	Wood	Deteriorated	1st Floor	Varnish	0.0 mg/cm ²	Action Level

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
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Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
79	Negative	Off	Room 5	C	Window	Well-Trough	Metal	Intact	Basement	Black	0.2 mg/cm ²	Action Level
80	Negative	Off	Room 5	C	Window	Sash Interior	Metal	Intact	Basement	Black	0.3 mg/cm ²	Action Level
81	Negative	Off	Room 6	C	Window	Sash Interior	Metal	Intact	Basement	Black	0.4 mg/cm ²	Action Level
82	Negative	Off	Room 6	C	Window	Well-Trough	Metal	Intact	Basement	Black	0.3 mg/cm ²	Action Level
83	Negative	Off	Room 2	C	Window	Well-Trough	Metal	Intact	Basement	Black	0.2 mg/cm ²	Action Level
90	Negative	Off	Room 2	C	Window	Sash Interior	Metal	Intact	Basement	Black	0.4 mg/cm ²	Action Level
91	Negative	Off	Room 2	A	Wall		Brick	Intact	Basement	White	0.3 mg/cm ²	Action Level
92	Negative	Off	Room 2	B	Wall		Brick	Intact	Basement	White	0.2 mg/cm ²	Action Level
93	Negative	Off	Room 2	C	Wall		Brick	Intact	Basement	White	0.1 mg/cm ²	Action Level
94	Negative	Off	Room 2	D	Wall		Drywall	Intact	Basement	White	0.2 mg/cm ²	Action Level
95	Negative	Off	Room 3	C	Wall		Brick	Intact	Basement	White	0.6 mg/cm ²	Action Level
96	Negative	Off	Room 3	D	Wall		Brick	Intact	Basement	White	0.3 mg/cm ²	Action Level
97	Negative	Off	Room 3	A	Wall		Cinderblock	Intact	Basement	White	-0.1 mg/cm ²	Action Level
98	Negative	Off	Room 3	B	Wall		Cinderblock	Intact	Basement	White	-0.2 mg/cm ²	Action Level
99	Negative	Off	Room 4	D	Wall		Brick	Intact	Basement	White	-0.1 mg/cm ²	Action Level
100	Negative	Off	Room 4	C	Wall		Brick	Intact	Basement	White	-0.1 mg/cm ²	Action Level
101	Negative	Off	Room 4	A	Wall		Cinderblock	Intact	Basement	White	0.0 mg/cm ²	Action Level
102	Negative	Off	Room 4	B	Wall		Cinderblock	Intact	Basement	White	0.4 mg/cm ²	Action Level

Big East Environmental 68 Water Street, Unit F Norwalk CT 06854

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18591
 Total Readings: 117
 Unit Started: 10/23/2018 15:47:43
 Unit Ended: 10/23/2018 17:57:31

Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
103	Negative	Off	Room 5	D	Wall		Brick	Intact	Basement	Natural	0.3 mg/cm ²	Action Level
104	Negative	Off	Room 5	C	Wall		Brick	Intact	Basement	Natural	0.1 mg/cm ²	Action Level
105	Negative	Off	Room 5	B	Wall		Brick	Intact	Basement	Natural	0.1 mg/cm ²	Action Level
106	Negative	Off	Room 5	A	Wall		Cinderblock	Intact	Basement	White	-0.2 mg/cm ²	Action Level
107	Negative	Off	Room 6	C	Wall		Brick	Intact	Basement	White	0.2 mg/cm ²	Action Level
108	Negative	Off	Room 6	D	Wall		Brick	Intact	Basement	White	0.2 mg/cm ²	Action Level
109	Negative	Off	Room 6	B	Wall		Brick	Intact	Basement	White	0.0 mg/cm ²	Action Level
110	Negative	Off	Room 6	A	Wall		Brick	Intact	Basement	White	0.3 mg/cm ²	Action Level
111	Negative	Off	Hall 4	A	Wall		Brick	Intact	Basement	White	0.5 mg/cm ²	Action Level
112	Negative	Off	Hall 4	B	Wall		Brick	Intact	Basement	White	0.1 mg/cm ²	Action Level
113	Negative	Off	Hall 4	C	Wall		Brick	Intact	Basement	White	0.5 mg/cm ²	Action Level
114	Negative	Off	Hall 4	D	Wall		Brick	Intact	Basement	White	0.4 mg/cm ²	Action Level
115	Negative	Off	Hall 5	D	Wall		Brick	Intact	Basement	White	0.3 mg/cm ²	Action Level
116	Negative	Off	Hall 5	C	Wall		Brick	Intact	Basement	White	0.4 mg/cm ²	Action Level
117	Negative	Off	Hall 5	A	Wall		Cinderblock	Intact	Basement	White	-0.1 mg/cm ²	Action Level
118	Negative	Off	Hall 5	B	Wall		Brick	Intact	Basement	White	0.4 mg/cm ²	Action Level
119	Negative	Off	Hall 5	D	Door	Jamb	Metal	Intact	Basement	Blue	0.5 mg/cm ²	Action Level
120	Negative	Off	Hall 5	D	Door	Door	Wood	Intact	Basement	Varnish	0.1 mg/cm ²	Action Level

Big East Environmental 68 Water Street, Unit F Norwalk CT 06854

Lead Based Paint XRF Inspection Data

Inspection Date: 10/23/2018 - 10/23/2018
 Action Level: 1.0 mg/cm²
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Inspection Site: Stratfield Elementary
 1407 Melville Avenue
 Fairfield, CT

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY	Member	SUBSTRATE	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
121	Negative	Off	Hall 4	D	Door	Door	Wood	Intact	Basement	Varnish	0.1 mg/cm ²	Action Level
122	Negative	Off	Hall 4	D	Door	Jamb	Metal	Intact	Basement	Blue	0.5 mg/cm ²	Action Level
123	Negative	Off	Room 6	C	Door	Jamb	Metal	Intact	Basement	Blue	0.2 mg/cm ²	Action Level
124	Negative	Off	Room 4	A	Door	Jamb	Metal	Intact	Basement	Blue	0.2 mg/cm ²	Action Level
125	Negative	Off	Room 3	D	Door	Jamb	Metal	Intact	Basement	Blue	0.1 mg/cm ²	Action Level
126	Negative	Off	Room 2	A	Door	Jamb	Metal	Intact	Basement	Blue	0.2 mg/cm ²	Action Level
127	Negative	Off	Room 2	A	Door	Door	Wood	Intact	Basement	Varnish	0.1 mg/cm ²	Action Level
128	Negative	Off	Room 3	D	Door	Door	Wood	Intact	Basement	Varnish	0.1 mg/cm ²	Action Level
129	Negative	Off	Room 4	A	Door	Door	Wood	Intact	Basement	Varnish	0.2 mg/cm ²	Action Level

----- END OF READINGS -----



SanAir ID Number
18049233
FINAL REPORT
10/26/2018 11:55:12 AM

Name: Big East Environmental
Address: 68 Water St
Unit F
Norwalk, CT 06854
Phone: 203-354-4955

Project Number: 18591
P.O. Number:
Project Name: Stratfield Elementary
Collected Date: 10/23/2018
Received Date: 10/25/2018 10:10:00 AM

Analyst: Kasali, Abisola

Test Method: SW846/M3050B/7000B

Lead Wipe Analysis

Sample	Description	µg Pb		Units	Calculated	Sample	Units
		In Sample	Area		RL	Results	
18049233 - 1	01 / Hall 1 (Window Trough)	82	1.302	Sq. Ft.	7.7	62.9	µg/ft2
18049233 - 2	02 / Hall 1 (Window Sill)	< 10	2.344	Sq. Ft.	4.3	<4.3	µg/ft2
18049233 - 3	03 / Hall 1 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 4	04 / Bath 1 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 5	05 / Bath 2 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 6	06 / Stair 1 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 7	07 / Stair 2 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 8	08 / Hall 2 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 9	09 / Room 1 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 10	10 / Hall 3 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 11	11 / Hall 2 (Window Sill)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 12	12 / Hall 2 (Window Trough)	125	0.563	Sq. Ft.	17.8	221.7	µg/ft2
18049233 - 13	13 / Bath 3 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 14	14 / Bath 3 (Sill)	< 10	1.417	Sq. Ft.	7.1	<7.1	µg/ft2
18049233 - 15	15 / Bath 4 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 16	16 / Bath 4 (Sill)	< 10	1.417	Sq. Ft.	7.1	<7.1	µg/ft2
18049233 - 17	17 / Hall 4 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 18	18 / Hall 5 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 19	19 / Room 3 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 20	20 / Room 4 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 21	21 / Room 5 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 22	22 / Room 5 (Window Sill)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 23	23 / Room 5 (Window Trough)	3532	0.896	Sq. Ft.	11.2	3942	µg/ft2
18049233 - 24	24 / Room 6 (Floor)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 25	25 / Room 6 (Window Sill)	< 10	1	Sq. Ft.	10	<10	µg/ft2
18049233 - 26	26 / Room 6 (Window Trough)	1890	1	Sq. Ft.	10	1890	µg/ft2

Method Reporting Limit < 10 µg/wipe

Signature: 

Date: 10/25/2018

Reviewed: 

Date: 10/25/2018



SanAir ID Number
18049233
FINAL REPORT
10/26/2018 11:55:12 AM

Name: Big East Environmental
Address: 68 Water St
Unit F
Norwalk, CT 06854
Phone: 203-354-4955

Project Number: 18591
P.O. Number:
Project Name: Stratfield Elementary
Collected Date: 10/23/2018
Received Date: 10/25/2018 10:10:00 AM

Analyst: Kasali, Abisola

Test Method: SW846/M3050B/7000B

Lead Wipe Analysis

Sample	Description	$\mu\text{g Pb}$		Units	Calculated	Sample
		In Sample	Area		RL	Results
18049233 - 27	27 / Blank 1	< 10	0	Sq. Ft.		
18049233 - 28	28 / Blank 2	< 10	0	Sq. Ft.		
18049233 - 29	29 / Blank 3	< 10	0	Sq. Ft.		

Method Reporting Limit < 10 $\mu\text{g/wipe}$

Signature: 

Date: 10/25/2018

Reviewed: 

Date: 10/25/2018



Technologies Laboratory
1551 Oakbridge Drive, Suite B - Powhatan, VA 23139
804-897-1177 / 888-895-1177 / Fax 804-897-0070
www.sanair.com

Metals & Lead Chain of Custody

SanAir ID Number

18049233

Company: Big East Environmental	Project #: 18541	Phone #: 203-354-4955
Address: 68 Water Street	Project Name: Stratfield Elementary	Phone #: 203-505-9717
City, St., Zip: Norwalk, CT 06854	Date Collected: 10/23/18	Fax #: 203-956-5878
Samples Collected By: Eric Gelhaus	P.O. Number:	Email:

Matrix Types

Metals Analysis Types

<input type="checkbox"/> Air	<input type="checkbox"/> Aqueous	<input type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Total Concentration of Lead	<input type="checkbox"/> ICP-total concentration of metals (please list metals):
<input type="checkbox"/> Paint	<input type="checkbox"/> Sludge	<input type="checkbox"/> Soil	<input type="checkbox"/> Total Concentration of RCRA 8 Metals	
<input type="checkbox"/> Dust	<input checked="" type="checkbox"/> Wipe	<input type="checkbox"/> Potable Water	<input type="checkbox"/> TCLP for Lead	
<input type="checkbox"/> Non-Potable Water	<input type="checkbox"/> Wastewater	<input type="checkbox"/> TCLP for RCRA 8 Metals	<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:			<input type="checkbox"/> TCLP Full (w/ Organics)	

*Turn Around Times	Same Day <input type="checkbox"/>	<input checked="" type="checkbox"/> 1 Day	2 days <input type="checkbox"/>	3 Days <input type="checkbox"/>
	<input type="checkbox"/> Standard (5 day)	<input type="checkbox"/> Full TCLP (10d)		

*Courier charge for same day and 1 day TAT for offsite work.

Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
01	Hall 1 (window trough)				3.75" x 50"
02	Hall 1 (window sill)				6.75" x 50"
03	Hall 1 (window floor)				12 x 12
04	Bath 1 (floor)				12 x 12
05	Bath 2 (floor)				12 x 12
06	Stair 1 (window trough) Stair 1 (floor)				12 x 12
07	Stair 1 (window sill) Stair 2 (floor)				12 x 12
08	Stair 1 (floor) Hall 2 (floor)				12 x 12
09	Room 1 (floor)				12 x 12
10	Stair 2 (window trough) Hall 3 (floor)				12 x 12
11	Stair 2 (window sill) Hall 2 (window sill)				12 x 12
12	Stair 2 (floor) Hall 2 (window trough)				2" x 40.5"

Special Instructions

Relinquished by: <i>[Signature]</i>	Date: 10/24/18	Time: 4pm	Received by: <i>[Signature]</i>	Date: OCT 25 2018	Time: 10:10A
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Unless scheduled, the turn around time for all samples received after 3 pm will begin at 8 am the next business morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a \$10 shipping fee.

Page 1 of 3

SanAir

Technologies Laboratory

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**Metals & Lead
Chain of Custody**

SanAir ID Number

18049233

Company: Big East Environmental	Project #: 18591	Phone #: 203-354-4955
Address: 68 Water Street	Project Name: Stratfield Elementary	Phone #: 203-505-9717
City, St., Zip: Norwalk, CT 06854	Date Collected: 10/18/18 10/23/18	Fax #: 203-956-5878
Samples Collected By: Eric Gelhaus	P.O. Number:	Email:

Matrix Types**Metals Analysis Types**

<input type="checkbox"/> Air	<input type="checkbox"/> Aqueous	<input type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Total Concentration of Lead	<input type="checkbox"/> ICP-total concentration of metals (please list metals):
<input type="checkbox"/> Paint	<input type="checkbox"/> Sludge	<input type="checkbox"/> Soil	<input type="checkbox"/> Total Concentration of RCRA 8 Metals	
<input type="checkbox"/> Dust	<input checked="" type="checkbox"/> Wipe	<input type="checkbox"/> Potable Water	<input type="checkbox"/> TCLP for Lead	
<input type="checkbox"/> Non-Potable Water	<input type="checkbox"/> Wastewater	<input type="checkbox"/> TCLP for RCRA 8 Metals	<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:	<input type="checkbox"/> TCLP Full (w/ Organics)			

*Turn Around Times	Same Day <input type="checkbox"/>	<input checked="" type="checkbox"/> 1 Day	2 days <input type="checkbox"/>	3 Days <input type="checkbox"/>
	<input type="checkbox"/> Standard (5 day)	<input type="checkbox"/> Full TCLP (10d)		

*Courier charge for same day and 1 day TAT for offsite work.

Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
13	Bath 3 (floor)				12" x 12"
14	Bath 3 (sill)				6" x 34"
15	Bath 4 (floor)				12" x 12"
16	Bath 4 (sill)				6" x 34"
17	Hall 4 (floor)				12" x 12"
18	Hall 5 (floor)				12" x 12"
19	Room 3 (floor)				12" x 12"
20	Room 4 (floor)				12" x 12"
21	Room 5 (floor)				12" x 12"
22	Room 5 (window sill)				12" x 12"
23	Room 5 (window trough)				3" x 43"
24	Room 6 (floor)				12" x 12"

Special Instructions

Relinquished by:	Date: 10/24/18	Time:	Received by:	Date: OCT 25 2018	Time: 10:04
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Unless scheduled, the turn around time for all samples received after 3 pm will begin at 8 am the next business morning.

Weekend or holiday work must be scheduled ahead of time and is charged for rush turn around time.

Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a \$10 shipping fee.

Page 2 of 3

SanAir

Technologies Laboratory

1551 Oakbridge Drive, Suite B - Powhatan, VA 23139

804-897-1177 / 888-895-1177 / Fax 804-897-0070

www.sanair.com

**Metals & Lead
Chain of Custody**

SanAir ID Number

8049233

Company Big East Environmental	Project # 18591	Phone # 203-354-4955
Address 68 Water Street	Project Name Stafford Elementary	Phone # 203-505-9717
City, St., Zip Norwalk, CT 06854	Date Collected 10/23/18	Fax # 203-956-5878
Samples Collected By Eric Gelhaus	P.O. Number	Email

Matrix Types**Metals Analysis Types**

<input type="checkbox"/> Air	<input type="checkbox"/> Aqueous	<input type="checkbox"/> Bulk	<input checked="" type="checkbox"/> Total Concentration of Lead	<input type="checkbox"/> ICP-total concentration of metals (please list metals):
<input type="checkbox"/> Paint	<input type="checkbox"/> Sludge	<input type="checkbox"/> Soil	<input type="checkbox"/> Total Concentration of RCRA 8 Metals	
<input type="checkbox"/> Dust	<input checked="" type="checkbox"/> Wipe	<input type="checkbox"/> Potable Water	<input type="checkbox"/> ICLP for Lead	
<input type="checkbox"/> Non-Potable Water	<input type="checkbox"/> Wastewater	<input type="checkbox"/> TCLP for RCRA 8 Metals	<input type="checkbox"/> Other:	
<input type="checkbox"/> Other:		<input type="checkbox"/> TCLP Full (w/ Organics)		

*Turn Around Times	Same Day <input type="checkbox"/>	<input checked="" type="checkbox"/> 1 Day	2 days <input type="checkbox"/>	3 Days <input type="checkbox"/>
	<input type="checkbox"/> Standard (5 day)	<input type="checkbox"/> Full ICLP (10d)		

*Courier charge for same day and 1 day TAT for offsite work.

Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
25	Room 6 (window sill)				12" x 12"
26	Room 6 (window trough)				3" x 48"
27	Blank 1				N/A
28	Blank 2				N/A
29	Blank 3				N/A

Special Instructions	
----------------------	--

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	10/24/18	4pm	<i>[Signature]</i>	OCT 25 2018	10:10A

Unless scheduled, the turn around time for all samples received after 3 pm will begin at 8 am the next business morning.
 Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
 Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a \$10 shipping fee.

Page 3 of 3



SUBJECT SITE: Stratfield Elementary School
1407 Melville Avenue
Fairfield, CT 06825

CLIENT: Fairfield Public Schools
Maintenance Department
418 Meadow Street
Fairfield, CT 06824

INSPECTION DATE: November 28, 2018

BIG EAST PROJECT #: 18662

LTD. LEAD BASED PAINT INSPECTION

Introduction

Big East Environmental conducted a limited lead based paint inspection at the above referenced subject site. The subject site serves as a public elementary school. The inspection was limited to readily accessible surfaces of areas of the school to be utilized by after school activity services as directed to us by the client.

Methods

Eric Gelhaus, Lead Inspector (license number #00252) performed the testing using a Heuresis pb200i XRF analyzer. The lead based paint survey typically test representative surfaces for each room/ area that include: four walls, ceiling, baseboard, door components, window components, and any miscellaneous items such as closets, cabinets, shelving, radiators, etc. If a building component tests positive for lead based paint, then all similar building components shall be assumed to contain lead-based paint, provided that the components are of the same type, age, and appearance. Dust wipe samples were also collected as part of the inspection. Dust wipe samples were collected from floor, window sill, and window troughs in the applicable rooms. Dust wipe samples were collected for analysis by Flame AAS (SW 846).

Findings

Connecticut Department of Public Health and US Department of Housing and Urban Development have set 1.0 milligrams/square centimeter (mg/cm²) or above as the definition of lead based paint (LBP). The total lead on the report is the reading of lead in all of the paint layers down to the substrate. A positive result (POS) is a confirmed reading at or above 1.0 mg/cm², a negative result (NEG) is a confirmed reading below 1.0 mg/cm².

- Lead-based paint HAS been identified.
- Defective lead-based paint WAS present.
- Dust wipe samples DID NOT reveal levels of lead above action levels.

Table I – Surfaces Containing Lead Based Paint

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Room 207	Door Jamb	C	Metal	Deteriorated	Blue

1 Friction Surface

2 Chewable surface

Note: The readings collected from the Room 207 Door Jamb had a lead reading of 0.9 mg/cm². While the definition of a lead containing material is a reading of at or above 1.0 mg/cm², according to the manufacturer of the Heuresis XRF Gun, a reading between 0.8 and 9.9 falls within an inconclusive range. Therefore, in order to verify if this material is not lead containing a paint chip sample would have to be collected and analyzed via Flame AAS (SW 846 3050B*/7000B).

Table II –Lead Dust Results

ID	LOCATION	SAMPLE AREA	RESULT	HUD Clearance Criteria
01	Room 206 (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
02	Room 206 (Window Sill)	1.750 ft ²	<5.7 µg/ft ²	250 µg/ft ²
03	Room 206/207 Shared Bathroom (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
04	Room 207 (Floor)	1.000 ft ²	<10 µg/ft ²	40 µg/ft ²
05	Room 207 (Window Sill)	1.750 ft ²	<5.7 µg/ft ²	250 µg/ft ²
06	Room 206/207 Shared Bathroom (Window Sill)	1.111 ft ²	<9 µg/ft ²	250 µg/ft ²
07	Blank	0	<10 µg/ft ²	-

All samples were collected and delivered to SanAir Technologies Laboratory under chain of custody protocols.

Collection Method ASTM E1644-04

µg/ft micrograms per square foot

Please see attached sample location diagram.

The following clearance criteria have been set for levels of lead in dust for post abatement activities;

- 40 µg/ft² on floors
- 250 µg/ft² on window sills
- 400 µg/ft² on window troughs

This XRF and dust wipe sampling testing and report was performed according to all state guidelines for the testing of lead based paint in buildings by Big East Environmental under lead consultant contractor license number 002099.

Inspection Limitations

- Inspection was limited to Room 206, Room 207, and the shared bathroom between.
- Window troughs were not sampled due to windows being inoperable/sealed at the time of inspection.



Summary

Lead based paint HAS been identified during this inspection. Levels of lead in dust ARE NOT above action levels. Please see site diagrams for room and surface identification.

DISCLOSURE

Big East Environmental, LLC was employed to complete a limited representative testing of toxic levels of lead in painted surfaces using X-Ray Fluorescence (XRF) analysis. Big East Environmental, LLC makes no guarantee that surfaces not tested do not contain toxic levels of lead. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the inspection. It should be understood that conditions may change due to deterioration or maintenance. The results and materials conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection. Also, due to variability when applying paint coats with a brush, roller, etc., surfaces may have tested below toxic levels of lead in one area of the component but have toxic levels of lead in other areas of the component not tested.

Sincerely,

A handwritten signature in black ink that reads "Eric Gelhaus". The signature is written in a cursive, flowing style.

Eric Gelhaus, Project Manager
Lead Inspector#002252

LEAD SURVEY - 1st Floor



68 Water Street, Unit F
Norwalk, CT 06854
Drafted By: Eric Gelhaus
Drafted Date: 12/05/18
Project #: 18662

CLIENT:
Fairfield Public Schools
501 Kings Highway East
Fairfield CT

JOB LOCATION:
Stratfield Elementary
1407 Melville Ave
Fairfield CT

LEGEND:
■ Lead Dust Positive
■ XRF Lead Positive
■ Survey Area

EXCLUSIONS:
Inspection was performed in identified areas only. See report for details.



LEAD BASED PAINT - POSITIVE XRF RESULTS

ROOM	COMPONENT	SIDE	SUBSTRATE	CONDITION	COLOR
Room 207	Door Jamb	C	Metal	Deteriorated	Blue

See report for details

LEAD BASED PAINT - ELEVATED DUST WIPE RESULTS

No Dust wipe results were elevated



Lead Based Paint XRF Inspection Data

Big East Environmental
68 Water Street, Unit F
Norwalk CT 06854

INSPECTION DATE:	11/28/2018 - 11/28/2018
REPORT NUMBER:	18662
INSTRUMENT TYPE:	Heuresis Corp. Pb200i XRF Lead Paint Analyzer 1039
ACTION LEVEL:	1.0 mg/cm ²
STATEMENT:	Limited Inspection

Lead Based Paint XRF Inspection Data

Inspection Date: 11/28/2018 - 11/28/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18662
 Total Readings: 29
 Unit Started: 11/28/2018 16:09:41
 Unit Ended: 11/28/2018 16:47:49

Inspection Site: Fairfield Public Schools
 Maintenance Department
 418 Meadow Street
 Fairfield, CT 06824

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY Member	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode
89	Negative	Off	Room 207	A	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
90	Negative	Off	Room 207	B	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
91	Negative	Off	Room 207	C	Wall	Intact	2nd Floor	Yellow	0.1 mg/cm ²	Action Level
92	Negative	Off	Room 207	D	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
93	Negative	Off	Room 206	A	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
94	Negative	Off	Room 206	B	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
95	Negative	Off	Room 206	C	Wall	Intact	2nd Floor	Yellow	0.0 mg/cm ²	Action Level
96	Negative	Off	Room 206	D	Wall	Intact	2nd Floor	Yellow	0.2 mg/cm ²	Action Level
97	Negative	Off	Room 206	C	Door	Door	2nd Floor	Varnish	0.3 mg/cm ²	Action Level
98	Negative	Off	Room 206	C	Door	Frame	2nd Floor	Blue	0.4 mg/cm ²	Action Level
99	Negative	Off	Room 206	C	Door	Jamb	2nd Floor	Blue	0.5 mg/cm ²	Action Level
100	Negative	Off	Room 207	C	Door	Frame	2nd Floor	Blue	0.6 mg/cm ²	Action Level
101	Negative	Off	Room 207	C	Door	Jamb	2nd Floor	Blue	0.9 mg/cm ²	Action Level
102	Negative	Off	Room 207	A	Window	Sill	2nd Floor	Black	0.1 mg/cm ²	Action Level
103	Negative	Off	Room 207	A	Window	Sash Interior	2nd Floor	Black	0.3 mg/cm ²	Action Level
104	Negative	Off	Room 207	A	Window	Casing	2nd Floor	Black	0.3 mg/cm ²	Action Level
105	Negative	Off	Room 206	A	Window	Casing	2nd Floor	Black	0.2 mg/cm ²	Action Level
106	Negative	Off	Room 206	A	Window	Sash Interior	2nd Floor	Black	0.2 mg/cm ²	Action Level

Lead Based Paint XRF Inspection Data

Inspection Date: 11/28/2018 - 11/28/2018
 Action Level: 1.0 mg/cm²
 Report Number: 18662
 Total Readings: 29
 Unit Started: 11/28/2018 16:09:41
 Unit Ended: 11/28/2018 16:47:49

Inspection Site: Fairfield Public Schools
 Maintenance Department
 418 Meadow Street
 Fairfield, CT 06824

Read #	Result	RTA Present	ROOM	SIDE	ASSEMBLY Member	CONDITION	Floor	Color	Lead (mg/cm ²)	Mode	
107	Negative	Off	Room 206	A	Window	Sill	Intact	2nd Floor	Black	0.0 mg/cm ²	Action Level
108	Negative	Off	Rm 206/207 Bathroom	A	Window	Sill	Intact	2nd Floor	Natural	-0.5 mg/cm ²	Action Level
109	Negative	Off	Rm 206/207 Bathroom	A	Window	Sash Interior	Intact	2nd Floor	Black	0.3 mg/cm ²	Action Level
110	Negative	Off	Rm 206/207 Bathroom	A	Window	Casing	Intact	2nd Floor	Natural	0.3 mg/cm ²	Action Level
111	Negative	Off	Rm 206/207 Bathroom	B	Door	Jamb	Intact	2nd Floor	Blue	0.5 mg/cm ²	Action Level
112	Negative	Off	Rm 206/207 Bathroom	B	Door	Frame	Intact	2nd Floor	Blue	0.5 mg/cm ²	Action Level
113	Negative	Off	Rm 206/207 Bathroom	B	Door	Door	Intact	2nd Floor	Varnish	0.1 mg/cm ²	Action Level
114	Negative	Off	Rm 206/207 Bathroom	A	Wall		Intact	2nd Floor	White	0.0 mg/cm ²	Action Level
115	Negative	Off	Rm 206/207 Bathroom	B	Wall		Intact	2nd Floor	White	0.0 mg/cm ²	Action Level
116	Negative	Off	Rm 206/207 Bathroom	C	Wall		Intact	2nd Floor	White	0.1 mg/cm ²	Action Level
117	Negative	Off	Rm 206/207 Bathroom	D	Wall		Intact	2nd Floor	White	-0.1 mg/cm ²	Action Level

----- END OF READINGS -----

**EMSL Analytical, Inc.**

528 Mineola Avenue, Carle Place, NY 11514

Phone/Fax: (516) 997-7251 / (516) 997-7528

<http://www.EMSL.com>carleplacelab@emsl.com

EMSL Order: 061824596
CustomerID: ENVI54
CustomerPO: 20091355.A20
ProjectID:

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

Phone: (860) 646-2469
Fax: (888) 838-1160
Received: 12/14/18 9:17 AM
Collected: 12/12/2018

Project: **Fairfield Public Schools - Stratfield School, 1407 Melville Ave., Fairfield, CT, Project #:20091355.A20**

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

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
20181212JB-S-01 Site: NE of Building (By Library)	061824596-0001	12/12/2018	12/17/2018	0.5096 g	<40.0 mg/Kg
20181212JB-S-02 Site: NE of Building (By Library)	061824596-0002	12/12/2018	12/17/2018	0.5025 g	66.7 mg/Kg
20181212JB-S-03 Site: East of Building (By Entrance)	061824596-0003	12/12/2018	12/17/2018	0.5037 g	44.3 mg/Kg
20181212JB-S-04 Site: SE of Building (By Play Area)	061824596-0004	12/12/2018	12/17/2018	0.5036 g	<40.0 mg/Kg
20181212JB-S-05 Site: SW of Building (By Rm 206)	061824596-0005	12/12/2018	12/17/2018	0.5043 g	<40.0 mg/Kg

Alger Liang, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by the AIHA LAP, LLC in the Environmental Lead accred. program for Lead in Soil, CT PH-0249, NYS ELAP 11469, CA 2339

Initial report from 12/17/2018 10:44:58



146 Hartford Road, Manchester, CT 06040

www.fando.com

(860) 646-2469

SAMPLE LOG FOR LEAD SOIL

Sheet No. 1 of 2

Project Name: Fairfield Public Schools – Stratfield SchoolProject Number: 20091355.A20Building: 1407 Melville Ave, Fairfield CTProject Manager: Eduardo Marques

Sample ID Number	Sample Location/Building	Soil Condition	Result (%)
20181212JB-S-01	NE of Building (By Library)	Dry w/ Ice	
20181212JB-S-02	NE of Building (By Library)	Dry w/ Ice	
20181212JB-S-03	East of Building (By Entrance)	Dry w/ Ice	
20181212JB-S-04	SE of Building (By Play Area)	Dry w/ Ice	
20181212JB-S-05	SW of Building (By Rm 206)	Dry w/ Ice	

Analysis Method: EPA-SW-846-3050-7420

Turnaround Time 48 Hour

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill EnviroScience on or before this date: _____
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Special Instructions: _____

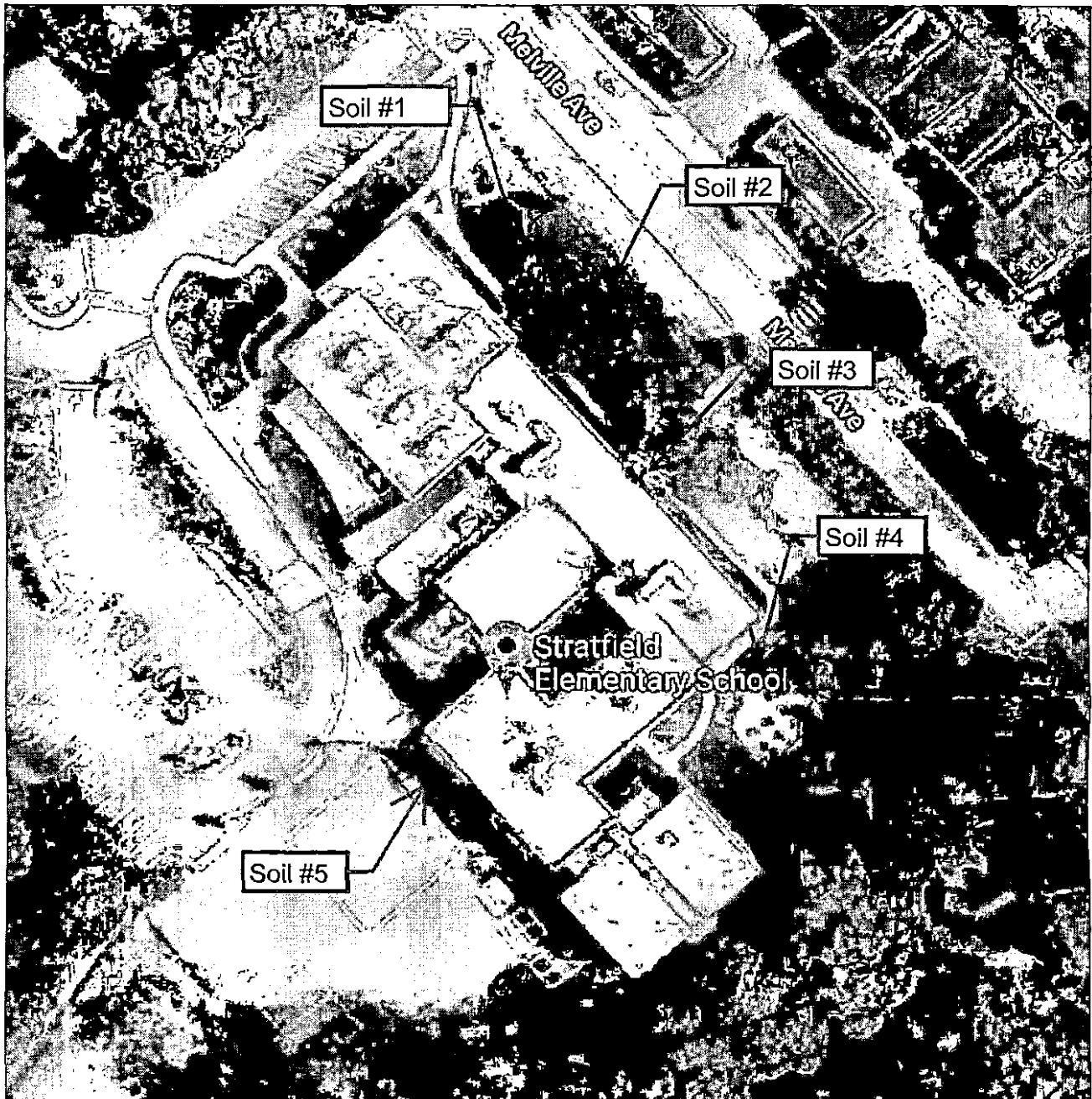
Samples Collected By: SPB Date: 12-12-18 Time: 1600-1620
Samples Sent By: SPB Date: 12-13-18 Time: _____
Samples Received By: Katherine Vaud Date: 12-14-18 Time: 9:17 AM

Shipped To: ☒ EMSL (State) NY - Carle PL ☐ Other _____Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

(SEE NEXT PAGE FOR DIAGRAM)

Pl - Dan T
12/16/18

RECEIVED
EHSL ANALYTICAL, INC.
CARLE PLACE, NY
2018 DEC 14 A 9:17



Pb-Denton
12/16/18

RECEIVED
EHSL ANALYTICAL, INC.
CARLE PLACE, NY
2018 DEC 14 A 9:17

**EMSL Analytical, Inc.**

528 Mineola Avenue, Carle Place, NY 11514

Phone/Fax: (516) 997-7251 / (516) 997-7528

<http://www.EMSL.com>carleplacelab@emsl.com

EMSL Order: 061824635
CustomerID: ENVI54
CustomerPO: 20091355.A20
ProjectID:

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

Phone: (860) 646-2469
Fax: (888) 838-1160
Received: 12/14/18 9:16 AM
Collected: 12/12/2018

Project: **Fairfield Public Schools - Stratfield School, 1407 Melville Ave, Fairfield CT, 20091355.A20**

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

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
20181212JB-C-01	061824635-0001	12/12/2018	12/16/2018	0.91 % wt
Site: Room 207 - Metal Door Jamb				
Desc: Blue Paint				

Alger Liang, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by the AIHA-LAP, LLC in the Environmental Lead accreditation program for Lead in Paint, CT PH-0249, NYS ELAP 11469

Initial report from 12/16/2018 21:22:24

**FUSS & O'NEILL**
EnviroScience, LLC

061824635

www.fando.com

146 Hartford Road, Manchester, CT 06040

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

SAMPLE LOG FOR LEAD CHIPS

Sheet No. 1 of 1

Project Name: Fairfield Public Schools – Stratfield SchoolProject Number: 20091355.A20Building: 1407 Melville Ave, Fairfield CTProject Manager: Eduardo Marques

Sample ID Number	Sample Location/Building	Sample Area (size)	Material Type	Result
				% by WT
20181212JB-C-01	Room 207 – Metal Door Jamb	12 in ²	Blue Paint	

Analysis Method: EPA-SW-846-3050(MOD.)Turnaround Time 48 Hour

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

Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: **Fuss & O'Neill EnviroScience Laboratory at 888-838-1160**

Special Instructions: _____

Samples Collected By: SB Date: 12-12-18 Time: 1530
Samples Sent By: SB Date: 12-13-18 Time: _____
Samples Received By: RTC Date: 12/14/18 Time: 9:16am

Shipped To: ☒ EMSL (State) NY - Carle PL ☐ Other _____Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

Pb - Don T
12/14/18

RECEIVED
EMSL ANALYTICAL, INC.
CARLE PLACE, NY
2018 DEC 14 A 9:16

**EMSL Analytical, Inc.**

528 Mineola Avenue, Carle Place, NY 11514

Phone/Fax: (516) 997-7251 / (516) 997-7528

<http://www.EMSL.com>carleplacelab@emsl.com

EMSL Order: 061824636
CustomerID: ENVI54
CustomerPO: 20091355.A20
ProjectID:

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

Phone: (860) 646-2469
Fax: (888) 838-1160
Received: 12/14/18 9:16 AM
Collected: 12/13/2018

Project: **Fairfield Public Schools - Stratfield School, 1407 Melville Ave, Fairfield CT, 20091355.A20**

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

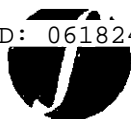
<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area Sampled</i>	<i>Lead Concentration</i>
20181212JB-W-01 Site: Room 206 Desc: Window Well/Trough	061824636-0001	12/13/2018	12/15/2018	36 in ²	6900 µg/ft ²
20181212JB-W-02 Site: Room 207 Desc: Window Well/Trough	061824636-0002	12/13/2018	12/15/2018	36 in ²	6700 µg/ft ²
20181212JB-W-03 Site: Room 102A - Band Room (Room 2) Desc: Window Well/Trough	061824636-0003	12/13/2018	12/15/2018	36 in ²	2800 µg/ft ²
20181212JB-W-04 Site: Library Computer Room Desc: Window Well/Trough	061824636-0004	12/13/2018	12/15/2018	36 in ²	5600 µg/ft ²
20181212JB-W-05 Site: Field Blank	061824636-0005	12/13/2018	12/15/2018	36 in ²	<40 µg/ft ²
20181212JB-W-06 Site: Field Blank	061824636-0006	12/13/2018	12/15/2018	N/A	<10 µg/wipe

Alger Liang, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Dust by EMSL SOP/ Determination of Environmental Lead by FLAA. Reporting limit is 10 µg/wipe. ug/wipe = µg/ft² x area sampled in ft². Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependent on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by the AIHA LAP, LLC in the Environmental Lead accred. program for Lead in Dust, CT PH-0249, NYS ELAP 11469, CA 2339

Initial report from 12/15/2018 15:24:04



061824636

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146 Hartford Road, Manchester, CT 06040

(860) 646-2469

SAMPLE LOG FOR LEAD WIPES

Sheet No. 1 of 1

Project Name: Fairfield Public Schools – Stratfield SchoolProject Number: 20091355.A20Building: 1407 Melville Ave, Fairfield CTProject Manager: Eduardo Marques

Sample ID Number	Sample Location/Building	Surface		Result (ug/ft)	Lab Number
		Component	Sq. In		
20181212JB-W-01	Room 206	Window Well/Trough	36		
20181212JB-W-02	Room 207	Window Well/Trough	36		
20181212JB-W-03	Room 102a – Band Room (Room 2)	Window Well/Trough	36		
20181212JB-W-04	Library Computer Room	Window Well/Trough	36		
20181212JB-W-05	Filed Blank	-	-		
20181212JB-W-06	Filed Blank	-	-		

Analysis Method: EPA-SW-846-3050(MOD.)

Turnaround Time 48 HoursWipe Media ☒ ASTM ☐ Non ASTM

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

Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill EnviroScience Laboratory at 888-838-1160

Special Instructions: _____

Samples Collected By: SBH Date: 12-12-18 Time: 1530 - 1550

Samples Sent By: SBH Date: 12-13-18 Time: _____

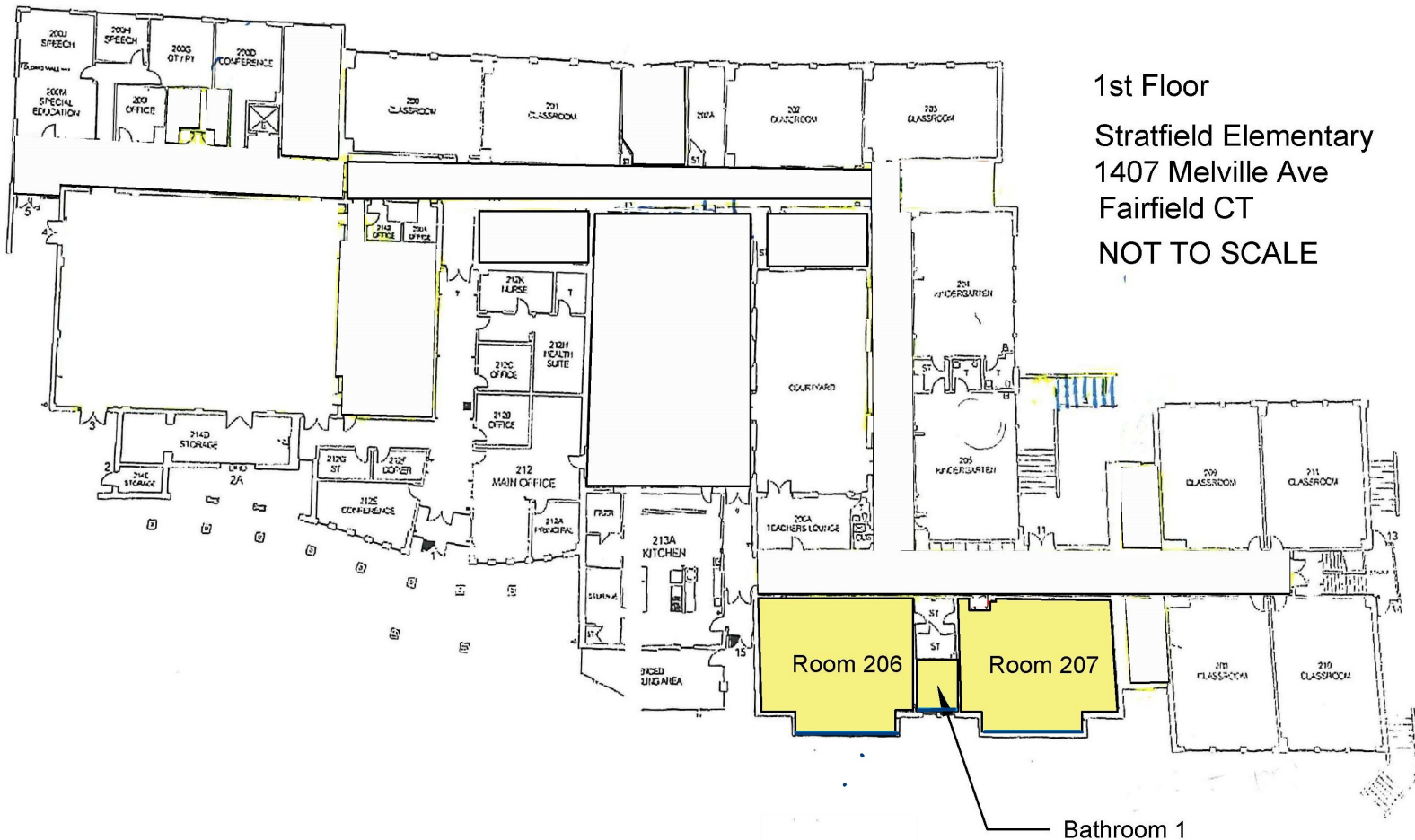
Samples Received By: R. Torres Date: 12/14/18 Time: 9:16am

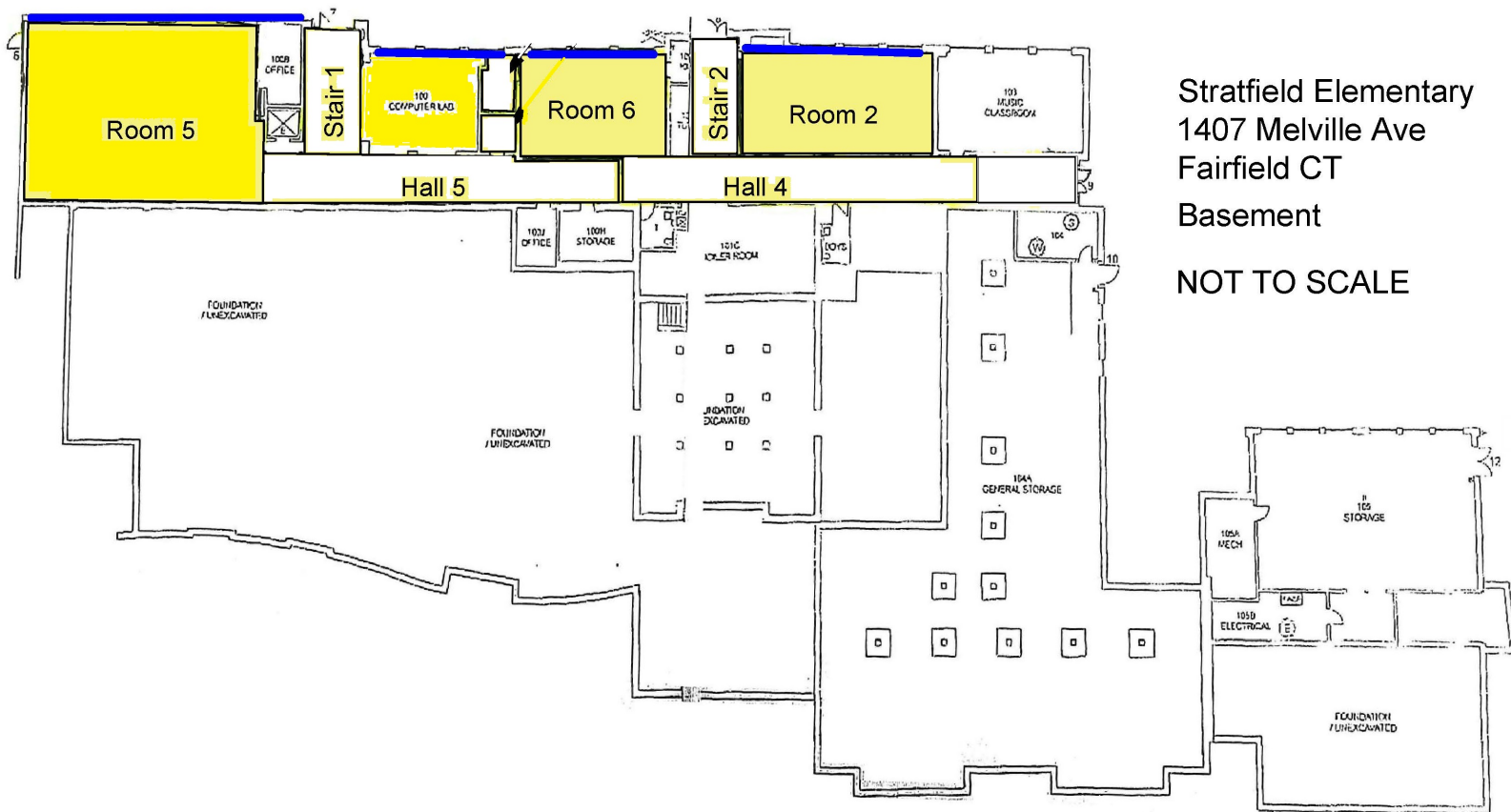
Shipped To: ☒ EMSL (State) NY - Carle Pl ☐ Other _____Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

RECEIVED
HSL ANALYTICAL, INC.
CARLE PLACE, NY
2018 DEC 14 AM 9:16

Shirley O'Brien 12/15/18

DL - Post 12/15/18





Stratfield Elementary
1407 Melville Ave
Fairfield CT
Basement
NOT TO SCALE