



# **ESSEX COUNTY**

## **OFFICE OF THE MANAGER**

7551 Court Street · P.O. Box 217 · Elizabethtown, New York 12932  
Telephone (518) 873-3332 · Fax (518) 873-3339

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Daniel L. Palmer  
County Manager

Linda M. Wolf  
Purchasing Agent

**TO:** All Bidders

**FROM:** Linda Wolf, CPA, Purchasing Agent

**DATE:** June 3, 2016

**SUBJECT:** Addendum #1 ASBESTOS ABATEMENT AT FISH HATCHERY

**This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *ASBESTOS ABATEMENT AT FISH HATCHERY* Bid Opening June 17, 2016.**

**Please insert the attached DECISION from the New York State Department of Labor regarding a Variance Petition to be incorporated in the bid documents.**

END OF ADDENDUM # 1

Division of Safety and Health  
Engineering Services Unit

**Department of Labor**  
W. Averell Harriman State Office Campus  
Building 12, Room 154, Albany, NY 12240  
www.labor.ny.gov  
518-457-1536

May 26, 2016

Atlantic Testing Laboratories  
6431 US Highway 11  
Canton, NY 13617

RE: File No. 16-0571

Dear Sir/Madam:

**STATE OF NEW YORK  
DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH**

The attached is a copy of Decision, dated, 5/23/2016, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be a correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, State Office Building Campus, Building 12, Room 116, Albany, New York, 12240 as prescribed by its Rules and Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the  
NYS Department of Labor, at the City of  
Albany, on this day of 5/23/2016.



Edward A. Smith, P.E.  
Associate Safety and Health Engineer



Department  
of Labor

STATE OF NEW YORK  
DEPARTMENT OF LABOR  
STATE OFFICE BUILDING CAMPUS  
ALBANY, NEW YORK 12240-0100

Variance Petition

of

Atlantic Testing Laboratories, Limited  
Petitioner's Agent On Behalf Of

Essex County Department of Public Works  
Petitioner

in re

Premises: Former Residential Structure – Essex County  
Fish Hatchery  
Fish Hatchery Road  
Crown Point, NY 12928

**Interior Incidental Disturbance Cleanup and  
Removal of Friable Pipe Insulation and Debris**

File No. 16-0571

DECISION

Cases 1-2

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 16-0571 on May 18, 2016 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated May 13, 2016; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 1  
Case No. 2

ICR 56-7.11(e)  
ICR 56-11.2(f)

VARIANCE GRANTED. The Petitioner's proposal for cleanup of 960 sq. ft. of friable ACM pipe insulation debris and removal of 60 linear ft. friable TSI from the basement/crawlspace at the subject premises in accordance with the attached 16-page stamped copy of the Petitioner's submittal is accepted; subject to the Conditions noted below:

### THE CONDITIONS

1. A full time project monitor shall be on site and responsible for oversight of the abatement contractor during all abatement and installation activities to ensure compliance with ICR 56, the approved variance petition, the following variance conditions and to ensure that no visible emissions are observed.

#### Establishment of Restricted Areas

2. The restricted areas, regulated abatement work areas, decontamination units, airlocks, and dumpster areas shall be cordoned off at a distance of twenty-five feet (25') where possible, and shall remain vacated except for certified workers until satisfactory clearance air monitoring results have been achieved or the abatement project is complete. For areas where 25-foot aren't possible, the areas shall be cordoned off as practical, and a daily abatement air sample shall be included within 10 feet of the barrier. These areas shall have Signage posted in accordance with Subpart 56-8.1(b) of this Code Rule.

#### Crawlspace/Basement Debris Cleanup and Friable Removals

3. Once the regulated abatement work area is occupied by the abatement contractor, the asbestos project begins and PPE shall be worn at all times even during Preparation.
4. A personal decontamination enclosure system that complies with Subpart 56-7.5 shall be utilized. A waste decontamination enclosure system that fully complies with Subpart 56-7.5 shall be utilized. These enclosure systems **must be attached (contiguous)** to the crawlspace/basement regulated abatement work area and shall be removed only after satisfactory clearance air monitoring results have been achieved for the regulated abatement work area. Where physical space restrictions limit the decontamination enclosure system allowable size, small asbestos project combined decontamination enclosure systems in compliance with ICR 56-7.5 (c) & 56-7.5(e)(9) may be utilized.

5. The crawlspace/basement floors, walls, ceilings, fixtures, and movable and fixed objects contaminated with asbestos debris shall be cleaned as part of this abatement project.
6. **Prior to removal of ACM debris, installation of critical barriers as per ICR 56-7.11 (a) and establishment of negative air as per ICR 56-7.8 shall be completed. All visible accumulations of ACM in the area of the critical barriers shall be cleaned as per ICR 56-7.10 (c)(1) prior to installation of the barriers.**
7. A minimum of 8 air changes per hour must be observed once the negative air has been established. A minimum two-hour pre-abatement settling period as per 56-8.2(b) shall elapse once the negative air has been established.
8. During Phase IIC, in addition to the requirements of Subpart 56-4.9(c), air monitoring within the work area shall be conducted daily for the entire workshift. The number of required inside work area air samples shall be consistent with the size of the work area (i.e. 1-minor, 3-small, 5-large). The inside work area sample locations shall be distributed throughout the work area.
9. Removals and cleanup shall include all visible asbestos or suspect asbestos debris, as well as a minimum two (2) inches of soil at least 5 feet in each direction (side) of and immediately underneath asbestos material.
10. One layer of 6-mil fire retardant plastic sheeting shall be used as a dropcloth below ACM removal locations. The dropcloth may be limited to beneath the immediate removal locations and the surrounding ten (10) feet.
11. Glovebags shall be utilized for all ACM pipe and fitting insulation removals, consistent with ICR 56-8.4(a) and OSHA 29 CFR 1926.1101.
12. Installation of crawlspace/basement wall and ceiling plastic sheeting is not required where existing non-porous cleanable wall and ceiling surfaces are located within the work area, and not required for surfaces that are potentially contaminated and shall be cleaned as part of the asbestos project.
13. Encapsulation of any asbestos removal surfaces **shall not** be performed, except for soil floors, until satisfactory clearance air sample results have been obtained.
14. The contractor shall observe, at a minimum, eight-hour waiting (settling/drying) periods.

15. When relief is granted to not plasticize or when a tent/enclosure unit is used, one thorough cleaning as described in ICR 56-9.1(e) and one settling, waiting period shall suffice, except when an air test fails.
16. In lieu of post-abatement clearance air monitoring in compliance with ICR-56-9.2(d), the most recent daily abatement air samples collected during cleaning operations in the regulated work area, shall be used for comparison with ICR 56-4.11 clearance criteria. All other applicable provisions of ICR 56-4 shall be followed for the duration of the abatement project.
17. After removal and cleanings are complete and a minimum drying period has elapsed, an authorized and qualified Project Monitor shall determine if the area is dry, the scope of work complete, and the work area free of visible asbestos debris/residue. If the area is determined to be acceptable and the most recent daily abatement air sample results meet 56-4.11 clearance criteria, the final dismantling of the site may begin.
18. After abatement of the asbestos and asbestos debris, all plastic sheeting and tape will be treated as contaminated material and properly disposed of as asbestos waste at the end of the project.
19. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

#### **GENERAL CONDITIONS**

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.
2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.
3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.
4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this

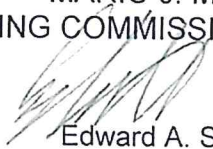
variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.

5. This DECISION shall terminate on May 31, 2017.

Date: May 23, 2016

MARIO J. MUSOLINO  
ACTING COMMISSIONER OF LABOR

By

  
Edward A. Smith, P.E.  
Associate Safety and Health Engineer

PREPARED BY: Mark G. Wykes, P.E.  
Senior Safety and Health Engineer

REVIEWED BY: Edward A. Smith, P.E.  
Associate Safety and Health Engineer



# ATLANTIC TESTING LABORATORIES

**WBE certified company**

Plattsburgh  
130 Arizona Avenue  
Suite 1540  
Plattsburgh, NY 12903  
518-563-5878 (T)  
atlantictesting.com

May 13, 2016

New York State Department of Labor  
Division of Safety and Health  
Engineering Services Unit  
Albany, New York 12240

Attn: Mr. Edward Smith, P.E.  
Associate Safety and Health Engineer

Re: Site-Specific Variance Request  
Incidental Disturbance  
Former Residential Structure  
Essex County Fish Hatchery  
Crown Point, New York  
ATL Report No. PL5598AV-02-05-16

Ladies/Gentlemen:

We respectfully request relief via variation from specific sections of Industrial Code Rule 56 (12 NYCRR Part 56), as described in Section 30 of the Labor Law, for the referenced project within the basement of the former residential structure at the Essex County Fish Hatchery facility located in Crown Point, Essex County, New York.

An historical incidental disturbance of friable pipe thermal system insulation (TSI) was recently identified in the basement area of the referenced building. The TSI debris is dispersed on the concrete floor of the basement and in an adjacent semi-crawlspace area with a soil floor. The building has signage posted to restrict access.

A visual assessment of the basement area of the referenced building was performed by Thomas A. Farley (Certification No. 13-11360) of ATL, on April 19, 2016. As summarized in ATL's Incidental Disturbance Assessment Report (ATL Report No. PL5598AV-01-05-16, dated May 2, 2016), static air samples were initially collected within the area of concern and from the areas adjacent to the area of concern. The static air samples were laboratory analyzed by transmission electron microscopy (TEM). Analytical results for the 5 samples analyzed were determined to have no asbestos detected (NAD). The remaining 5 air samples collected were not analyzed since the samples collected closer to the affected area were determined to have NAD. There were 8 bulk debris samples collected adjacent to the area of concern and 2 were subsequently laboratory analyzed. The 2 bulk debris samples analyzed were determined to have no visible asbestos (NVA). On the basis of the visual assessment, static air samples, and bulk debris samples, it is determined that the contaminated area is approximately 960 square feet. A site sketch, depicting the incidental disturbance work area, is included with ATL's Incidental Disturbance Assessment Report.

We request that the cleanup of the TSI debris be performed in accordance with 12 NYCRR 56-11.2, but for a large project. In addition to cleanup of the debris, the facility also plans to perform abatement of intact TSI from the basement and crawlspace areas of the referenced



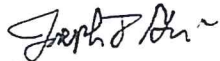
May 13, 2016

structure. TSI debris associated with the incidental disturbance will be removed and affected areas cleaned, prior to the other planned abatement work. The work area will be cleared with a final visual inspection per 12 NYCRR 56-9.1, and with aggressive air sampling techniques per 12 NYCRR 56-9.2, subsequent to removal of the identified ACM debris and other intact ACM scheduled for abatement.

This variance request is to facilitate completion of the referenced project in a safe and cost effective manner, while remaining consistent with the intent of Industrial Code Rule 56. A description of the work area, and summaries of the Industrial Code Rule 56 relief requested and proposed abatement methods, are provided in Attachment #1. The incidental disturbance report, and a completed SH752 (0208) form, "Petition for Asbestos Variance", are also attached.

Thank you for your assistance in this matter. Please contact our office should you have any questions, or require additional information.

Sincerely,  
*ATLANTIC TESTING LABORATORIES, Limited*



Joseph D. Grabowski  
Asbestos Services Manager  
NYS DOL Certified Designer No. 01-08166

JDG/CJD/jdg

Attachments

**ATTACHMENT- Work Area #1****Section 8****Work Area Description Table:**

The project site is within the basement area of a former residential structure at the Essex County Fish Hatchery facility, located in Crown Point, Essex County, New York. The asbestos-containing materials (ACM) to be removed include friable pipe TSI debris dispersed on the concrete floor and on the soil floor of an adjacent semi-crawlspace area. The area of concern is approximately 960 square feet. The structure had signage posted to restrict access until cleanup is complete. The removal will follow 12 NYCRR 56-11.2, but for a large project. The debris will be properly containerized and disposed of as ACM, and the area will be cleaned in accordance with 12 NYCRR 56 requirements. In addition to the debris, abatement is scheduled for intact thermal pipe TSI (approximately 60 linear feet), within the basement and semi-crawlspace area. A final clean of the entire work area will then be completed, and final visual clearance and aggressive air sampling will be performed following the appropriate waiting/settling period.

**Section 9****ICR 56 Relief Sought:**

The scope of work consists of the cleanup of friable pipe TSI debris from basement area within the referenced structure. The abatement will be performed in accordance with the provisions set forth in Subpart 11.2 of the Code Rule 56 (12 NYCRR 56) regulation. This petition requests relief from the following sections of 12 NYCRR Section 30 of the Labor Law, and the items for relief will be applicable only for the ACM associated with the cleanup of the incidental disturbance and scheduled abatement of the intact pipe TSI in the work area, as previously referenced under Section 8 description.

56-11.2 Emergency Projects (Minor Incidental Disturbance)  
56-7.11(e) Floor, Wall, & Ceiling Plasticizing and Sealing

**Section 11****Proposed Abatement Method Description for Each Work Area or Method Used:**

1. An attached large size personal and waste decontamination unit shall be utilized for the project.
2. After construction of the personal decontamination unit is complete, workers shall don proper personal protective equipment to perform the remainder of the work area preparation.
3. Since the entire area is considered contaminated, critical barriers shall be installed per 12 NYCRR 56-7.11(a), after the locations of the critical barriers are pre-cleaned utilizing HEPA vacuuming and wet wiping techniques.
4. Negative air shall be established at 8 air changes per hour.
5. A full-time certified Project Monitor shall be required on-site whenever the abatement contractor is performing cleanup activities.
6. Non-porous surfaces shall be cleaned by wet wiping and HEPA vacuuming.
7. Porous stored materials shall be discarded as ACM.
8. The basement walls are masonry and shall be wet wiped and HEPA vacuumed and then sprayed with encapsulant per NYCRR Part 56-8.7, prior to performing final aggressive air sampling techniques.

9. The wood framing that is exposed throughout the basement area shall be HEPA vacuumed and then sprayed with encapsulant per NYCRR Part 56-8.7, prior to performing final aggressive air sampling techniques.
10. The floor of the work area is concrete slab, with the exception of a small elevated section of the basement having a soil floor. For the soil floor section where there is visible TSI debris present, a minimum of 2 inches of soil shall be removed within a 5-foot radius of the debris and discarded as ACM. The area shall then be sprayed with encapsulant per NYCRR Part 56-8.7, prior to performing final aggressive air sampling techniques.
11. After a 12-hour waiting/settling period is complete, the Project Monitor shall inspect the area to verify that the encapsulant is dry and that there is no pooling of water left in the work area. If the area is dry, the Project Monitor shall perform the final visual clearance per NYCRR part 56-9.1.
12. If the Project Monitor final visual clearance is satisfactory for the work area, final aggressive PCM air sampling techniques shall be performed per NYCRR 56-9.2 regulations.



# ATLANTIC TESTING LABORATORIES

*WBE certified company*

**Plattsburgh**  
130 Arizona Avenue  
Suite 1540  
Plattsburgh, NY 12903  
518-563-5878 (T)  
atlantictesting.com

May 2, 2016

Essex County Department of Public Works  
8053 US Route 9  
PO Box 217  
Elizabethtown, New York 12932

Attn: Jim Dougan

Re: Incidental Disturbance Assessment, Static Air Sampling, and Bulk Debris Sampling  
Essex County Fish Hatchery  
Crown Point, New York  
ATL Report No. PL5598AV-01-05-16

Ladies/Gentlemen:

In accordance with the scope of services outlined in our contract (ATL No. PL5998-07A-03-16), dated March 14, 2016, Atlantic Testing Laboratories, Limited (ATL) performed incidental disturbance assessment, static air sampling, and bulk debris sampling. These services were performed on April 19, 2016.

ATL's certified Building Inspector, Thomas Farley (Certification 13-11360), performed a visual assessment on April 19, 2016, of the incidental disturbance of asbestos-containing thermal system insulation (TSI) from within the basement of the residential structure (area of concern (AOC) No. 3) and of assumed asbestos-containing loose-fill Vermiculite from 2 locations within the Bathroom/Feed Room (AOC Nos. 1 and 2) of the Essex County Fish Hatchery. The observations recorded at that time will be incorporated into a New York State Department of Labor (NYSDOL) Site-Specific Variance request.

A total of 13 bulk debris samples were collected. There were 8 bulk debris samples collected adjacent to the AOC within the basement of the Residential structure and 5 were collected adjacent to the 2 locations within the Bathroom/Feed Room. The bulk sample locations are depicted on the site sketch enclosed in Appendix C.

The collected samples were submitted to AmeriSci New York, a New York State Department of Health (NYSDOH) approved laboratory in accordance with the Environmental Laboratory Approval Program (ELAP No. 11480), for analysis by polarized light microscopy (PLM). The bulk debris samples located on the first step of the interior and exterior staircases of AOC No. 3 were determined to be non-ACM. The bulk debris sample located 1-foot south of AOC No. 2 was determined to be non-ACM. The bulk debris sample located 1-foot north of AOC No. 1 was determined to be non-ACM. The laboratory reports and sample custody documentation are enclosed in Appendix A. Copies of pertinent certifications are enclosed in Appendix B.

May 2, 2016

There were 5 air samples collected within AOC No. 3 and 5 air samples collected adjacent to AOC No. 3. The static air sample locations are depicted on the site sketch enclosed in Appendix C.

The collected air samples were submitted to a New York State Department of Health (NYSDOH)- approved laboratory (ELAP No. 11480), for analysis by transmission electron microscopy (TEM). Analytical results for the 5 samples analyzed indicated no asbestos structures detected (NSD). The results are in general accordance with clearance air sampling criteria established by the New York State Industrial Code Rule 56 (12 NYCRR 56) Section 9.2 and with 40 CFR 763 subpart E of the Asbestos Hazardous Emergency Response Act (AHERA) regulations for clearance air samples. The laboratory reports and sample custody documentation are enclosed in Appendix A. Copies of pertinent certifications are enclosed in Appendix B.

The remaining air and bulk debris samples were not analyzed by the laboratory, based on the negative results for samples collected within or closer to the affected area. Based on the visual assessment and the sample results, 3 affected areas of disturbances were identified. AOC No. 1 is approximately 144 square feet and is considered a small project size incidental disturbance as defined by 12 NYCRR 56-2.1(w)(2) (ii). AOC No. 2 is approximately 260 square feet and is considered a large project size incidental disturbance as defined by 12 NYCRR 56-2.1(w)(2) (i). AOC No. 3 is approximately 960 square feet and is considered a large project size incidental disturbance as defined by 12 NYCRR 56-2.1(w)(2) (i).

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,  
ATLANTIC TESTING LABORATORIES, Limited



Arthur T. Cross  
Operations Manager

TAF/JDG/tf

Enclosures

**Appendix A**

**Laboratory Reports and Sample Custody Documentation**


AmeriSci Job #: 216043325

Client Name: Atlantic Testing Laboratories, Limited

Page 1 of 1

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
PL5598; Essex County Fish Hatchery Bathroom / Feedroom; Crown Point, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	PL5598AB01-A041916		---	---	---	---	NVA	NA
Location: 1' South Of AOC #2 - Brown Debris								
02	PL5598AB02-A041916		---	---	---	---	NA	NA
Location: 3' South Of AOC #2 - Brown Debris								
03	PL5598AB03-A041916		---	---	---	---	NVA	NA
Location: 1' North Of AOC #1 - Brown Debris								
04	PL5598AB04-A041916		---	---	---	---	NA	NA
Location: 3' North Of AOC #1 - Brown Debris								
05	PL5598AB05-A041916		---	---	---	---	NA	NA
Location: 5' North Of AOC #1 - Brown Debris								

Analyzed by: John P. Koubiadis ; Date Analyzed 4/25/2016  
Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP 200546-0.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: 

160571



# ATLANTIC TESTING LABORATORIES

## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

17888

**Albany**  
22 Corporate Drive  
Clifton Park, NY 12065  
518/283-9144 (T)  
518/283-9166 (F)

**Binghamton**  
126 Peck Avenue  
Binghamton, NY 13903  
607/732-1812 (T)  
607/732-1833 (F)

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315/286-4578 (T)  
315/286-1012 (F)

**Elmira**  
2330 Route 352  
Elmira, NY 14903  
607/737-0700 (T)  
607/737-0714 (F)

**Plattsburgh**  
130 Arizona Ave  
Plattsburgh, NY 12903  
518/563-5878 (T)  
518/562-1321 (F)

**Foughkeepsie**  
251 Upper North Road  
Highland, NY 12528  
845/691-6098 (T)  
845/691-6099 (F)

**Rochester**  
3495 Winson Place  
Rochester, NY 14623  
585/427-9020 (T)  
585/427-9021 (F)

**Syracuse**  
6885 Court Street Road  
Syracuse, NY 13206  
315/699-5281 (T)  
315/699-3374 (F)

**Utica**  
301 St. Anthony Street  
Utica, NY 13501  
315/735-3109 (T)  
315/735-0742 (F)

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)

Project No.	Project Name	Date Collected	Turn-Around Time	Laboratory Instructions	Special Instructions	Sample Description	Analysis Requested	Send Reports To	Report Distribution
PL5598	Essex County Fish Hatchery Bathroom/Feedroom Art Cross Crown Point, NY	4/19/16 Page 1 of 1	<input type="checkbox"/> 12hr <input checked="" type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input type="checkbox"/> 12hr <input checked="" type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr	<input type="checkbox"/> Positive Stop Analysis <input type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB Other SEE INSTRUCTIONS	Brown Debris → Analyze Brown Debris → only analyze if AB01-AB04 is positive Brown Debris → only analyze if AB03-AB04 is positive Brown Debris → only analyze if AB04-AB04 is positive	PLM TEM-NOB TEM-ONLY MICRO-VAC	Send Reports To (ATL Office): ATL Contact: Send Copy To: Email Replies:	Plattsburgh Art Cross amensuic1@atlantictesting.com
PL5598AB01-AB04/16	1' South of AOC #2								
PL5598AB02-AB04/16	3' South of AOC #2								
PL5598AB03-AB04/16	1' North of AOC #1								
PL5598AB04-AB04/16	3' North of AOC #1								
PL5598AB05-AB04/16	5' North of AOC #1								
#216043325									
Sampler's Name:	Tam Farley	Date:	4/19/16	Time:	1700	Received at Laboratory (Name):		Date:	
Sampler's Signature:	<i>Tam Farley</i>	Time:		Time:		Laboratory Signature:		Time:	
Name:	Tam Farley	Date:	4/19/16	Time:	1700	Samples Received By:		Date:	
Signature:	<i>Tam Farley</i>	Time:		Time:		Name:		Time:	
Name:		Date:		Time:		Signature:		Date:	
Signature:		Time:		Time:		Name:		Time:	
Field and Laboratory Remarks: SEE INSTRUCTIONS Also email to amensuic1@atlantictesting.com									

Distribution: White with Samples  
Yellow to Laboratory  
Pink to ATL Files

Think Quality

100571



AmeriSci Job #: 216043324

Client Name: Atlantic Testing Laboratories, Limited

Page 1 of 1

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
PL5598; Essex County Fish Hatchery Residence Bldg.; Crown Point, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	PL5598AB01041916		---	---	---	---	NVA	NA
	Location: Inside Step 1 - Brown Debris							
02	PL5598AB02041916		---	---	---	---	NA	NA
	Location: Inside Step 4 - Brown Debris							
03	PL5598AB03041916		---	---	---	---	NA	NA
	Location: Inside Step 7 - Brown Debris							
04	PL5598AB04041916		---	---	---	---	NA	NA
	Location: Inside Step 10 - Brown Debris							
05	PL5598AB05041916		---	---	---	---	NA	NA
	Location: 1' Of Basement Door - Brown Debris							
06	PL5598AB06041916		---	---	---	---	NVA	NA
	Location: Exterior Step 1 - Brown Debris							
07	PL5598AB07041916		---	---	---	---	NA	NA
	Location: Exterior Step 3 - Brown Debris							
08	PL5598AB08041916		---	---	---	---	NA	NA
	Location: Exterior Step 6 - Brown Debris							

Analyzed by: John P. Koubiadis ; Date Analyzed 4/25/2016

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP 200546-0.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: 

160574



# ATLANTIC TESTING LABORATORIES

## ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

17887

**Albany**  
21 Corporate Drive  
Clifton Park, NY 12065  
518/383-9144 (T)  
518/383-9166 (F)

**Binghamton**  
126 Park Avenue  
Binghamton, NY 13903  
607/733-1812 (T)  
607/733-1833 (F)

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315/386-4578 (T)  
315/386-1012 (F)

**Elmira**  
2330 Route 352  
Elmira, NY 14903  
607/737-0700 (T)  
607/737-0714 (F)

**Plattsburgh**  
130 Arizona Ave  
Plattsburgh, NY 12903  
518/563-5878 (T)  
518/562-1321 (F)

**Poughkeepsie**  
231 Upper North Road  
Highland, NY 12538  
845/691-6098 (T)  
845/691-6099 (F)

**Rochester**  
3495 Winston Place  
Rochester, NY 14623  
585/427-9020 (T)  
585/427-9021 (F)

**Syracuse**  
6085 Court Street Road  
Syracuse, NY 13206  
315/699-5281 (T)  
315/699-3374 (F)

**Utica**  
301 St. Anthony Street  
Utica, NY 13501  
315/735-3309 (T)  
315/735-0742 (F)

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)

Project No. <b>PL5598</b>	Project Name <b>Essex County Fish Hatchery Residence Bldg</b>	Date Collected <b>4/19/16</b> Page 1 of 1	Laboratory Instructions Turn-Around-Time: <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input type="checkbox"/> Special Instructions: <input type="checkbox"/> Positive Stop Analysis <input type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input checked="" type="checkbox"/> Other <b>See Instructions</b>	Report Distribution Send Reports To (ATL Office): <b>Plattsburgh</b> ATL Contact: <b>Art Cross</b> Send Copy To: <b>ameisicr@atlantictesting.com</b> Email Results: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Field Sample No.	Sample Location	Sample Description	Instructions	Analysis Requested PLM-NOB TEM-NOB TEM-ONLY MICRO-VAC	Laboratory Sample ID No.
PL5598AB01041916	Inside Step 1	Brown Debris → Analyze		X	
PL5598AB02041916	Inside Step 4	Brown Debris → only analyze if AB01041916 is positive		X	
PL5598AB03041916	Inside Step 10	Brown Debris → only analyze if AB02041916 is positive		X	
PL5598AB04041916	1' of basement door	Brown Debris → only analyze if AB03041916 is positive		X	
PL5598AB05041916	Exterior Step 1	Brown Debris → Analyze		X	
PL5598AB06041916	Exterior Step 3	Brown Debris → only analyze if AB04041916 is positive		X	
PL5598AB07041916	Exterior Step 6	Brown Debris → only analyze if AB05041916 is positive		X	
<b>#216043324</b>					
Sampler's Name: <b>Tom Farley</b>	Date: <b>4/19/16</b>	Received at Laboratory (Name):	Date:	Shipment Rec'd Intact	
Sampler's Signature: <i>Tom Farley</i>	Time: <b>1150</b>	Laboratory Signature:	Time:	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Samples Relinquished By: Name: <b>Tom Farley</b> Signature: <i>Tom Farley</i> Date: <b>4/19/16</b> Time: <b>1700</b>		Samples Received By: Name: <i>[Signature]</i> Signature: <i>[Signature]</i> Date: <b>4/20/16</b> Time: <b>1055</b>		Field and Laboratory Remarks: <b>SEE INSTRUCTIONS</b> <b>Also email to:</b> <b>ameisicr@atlantictesting.com</b>	

Think Quality

Distribution: White with Samples  
Yellow to Laboratory  
Pink to ATL Files

drive:\Forms\Environmental\FieldForms\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14 ENV-001A

00571

AmeriSci Job #: 216043326

Client Name: Atlantic Testing Laboratories, Limited

**Table I**  
**Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)**  
 PL5598; Essex County; Fish Hatchery Bldg. Residence, Crown Point, NY; SA

AmeriSci Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq mm)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>=5.0	Total	>=5.0	Total	>=5.0	Total	
01 Inside	PL5598SA01		1425	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
Location: IWA - Northeast AOC													
02 Inside	PL5598SA02		1425	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
Location: IWA - Northwest AOC													
03 Inside	PL5598SA03		1425	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
Location: IWA - Center AOC													
04 Inside	PL5598SA04		1425	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
Location: IWA - Southeast AOC													
05 Inside	PL5598SA05		1425	.06	0.0045	0.0	0.0	0.0	<16.7	<16.7	<0.0045	<0.0045	NSD
Location: IWA - Southwest AOC													
06**	PL5598SA06		1425										
Location: OWA - Kitchen Center													
07**	PL5598SA07		1425										
Location: OWA - Dining Room East													
08**	PL5598SA08		1425										
Location: OWA - Dining Room Center													
09**	PL5598SA09		1425										
Location: OWA - Dining Room West													
10**	PL5598SA10		1425										
Location: OWA - Living Room Center													
11**	PL5598SA11		0										
Location: Blank I													
12**	PL5598SA12		0										
Location: Blank II													
13**	PL5598SA13		0										
Location: Blank III													

\* concentration represented by the detection of 1 structure

\*\* not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: \_\_\_\_\_ ; Analyzed By:  Date: 4/21/2016

Marik Peysakhov

NVLAP#: 200546-0, NYSDOH ELAP ID #: 11480

1605-7-1



# ATLANTIC TESTING LABORATORIES

42179

## Asbestos Air Sample Chain-of-Custody Record

**Albany**  
22 Corporate Drive  
Clifton Park, NY 12065  
518.383-9144 (T)  
518.383-9166 (F)

**Binghamton**  
126 Park Avenue  
Binghamton, NY 13903  
607.733-1812 (T)  
607.733-1835 (F)

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315.986-4578 (T)  
315.986-1012 (F)

**Elmira**  
2330 Route 352  
Elmira, NY 14903  
607.737-0700 (T)  
607.737-0714 (F)

**Plattsburgh**  
130 Arizona Ave  
Plattsburgh, NY 12903  
518.563-5878 (T)  
518.563-1321 (F)

**Poughkeepsie**  
251 Upper North Road  
Highland, NY 12538  
845.691-6998 (T)  
845.691-6999 (F)

**Rochester**  
3445 Winston Place  
Rochester, NY 14623  
585.427-9020 (T)  
585.427-9021 (F)

**Syracuse**  
6085 Court Street Road  
Syracuse, NY 13206  
315.699-3381 (T)  
315.699-3374 (F)

**Utica**  
301 St. Anthony Street  
Utica, NY 13501  
315.735-3309 (T)  
315.735-0742 (F)

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315.786-7887 (T)  
315.786-2022 (F)

Project No. <b>PL5598</b>		Project Name <b>Essex County Fish Hatchery Residence Bldg</b>		Date Collected <b>4/19/16</b>		Laboratory Instructions				Report Distribution			
Project Contact: <b>Art Cross</b>		Project Location: <b>Crown Point, NY</b>		Turn-Around-Time: <input type="checkbox"/> 4hr <input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day		Analysis Requested: <input type="checkbox"/> PCM <input checked="" type="checkbox"/> TEM-AHERA <input type="checkbox"/> TEM-NIOSH 7402				Send Reports To (ATL Office): <b>Plattsburgh</b> ATL Contact: <b>Art Cross</b> Send Copy To: <b>amaisci@atlantictesting.com</b> Email Results: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
Field Sample No.	Sample Areas	Sample Location	Sample Type	Pump No.	Sampling Time (military)			Flow Rate			Volume (Liters)	Laboratory Sample ID No.	
					Start Time	Stop Time	Total (Min)	Start (LPM)	Stop (LPM)	Average (LPM)			
PL5598 SA01	(OWA) OWA	Northeast AOC	SA	—	0836	1106	150	9.5	9.5	9.5	1425		
PL5598 SA02	(OWA) OWA	Northwest AOC	SA	—	0837	1107	150	9.5	9.5	9.5	1425		
PL5598 SA03	(OWA) OWA	Center AOC	SA	—	0838	1108	150	9.5	9.5	9.5	1425		
PL5598 SA04	(OWA) OWA	Southeast AOC	SA	—	0839	1109	150	9.5	9.5	9.5	1425		
PL5598 SA05	(OWA) OWA	Southwest AOC	SA	—	0840	1110	150	9.5	9.5	9.5	1425		
PL5598 SA06	(OWA) OWA	Kitchen Center	SA	—	0841	1111	150	9.5	9.5	9.5	1425		
PL5598 SA07	(OWA) OWA	Dining Room East	SA	—	0842	1112	150	9.5	9.5	9.5	1425		
PL5598 SA08	(OWA) OWA	Dining Room Center	SA	—	0843	1113	150	9.5	9.5	9.5	1425		
PL5598 SA09	(OWA) OWA	Dining Room West	SA	—	0844	1114	150	9.5	9.5	9.5	1425		
PL5598 SA10	(OWA) OWA	Living Room Center	SA	—	0845	1115	150	9.5	9.5	9.5	1425		
PL5598 SA11	IWA OWA	Blank I	BL	—									
PL5598 SA12	IWA OWA	Blank II	BL	—									
PL5598 SA13	IWA OWA	Blank III	BL	—									
<b>#216043326</b>													
Sampler's Name: <b>Tom Farley</b>		Date: <b>4/19/16</b>		Received at Laboratory (Name):				Date:		Shipment Rec'd Intact			
Sampler's Signature: <i>Tom Farley</i>		Time: <b>1130</b>		Laboratory Signature:				Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO			
Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:					
Name: <b>Tom Farley</b>		Date: <b>4/19/16</b>		Name: <i>Justin...</i>		Date: <b>4/19/16</b>		SA = static air					
Signature: <i>Tom Farley</i>		Time: <b>1700</b>		Signature: <i>Justin...</i>		Time: <b>1055</b>							
Name:		Date:		Name:		Date:		Sample Type: BG = Background; PA = Pre-Abatement; A = Abatement; WA = Work Area; F = Final Clearance; BL = Blank; P = Personal; EL = Excursion Limit; Sample Area: IWA = In Work Area; OWA = Out of Work Area					
Signature:		Time:		Signature:		Time:							

Think Quality

Distribution: White with Samples  
Yellow to Laboratory  
Pink to ATL Files

ENV-001  
pdrive:\Forms\EnvironmentalFieldForms\Asbestos Air Sample Chain-of-Custody Record rev 4: 02/14

160577

**APPENDIX C**

**SAMPLE LOCATION PLAN**

W60571.



# ATLANTIC TESTING LABORATORIES

Project Name: Essex County Fish Hatchery

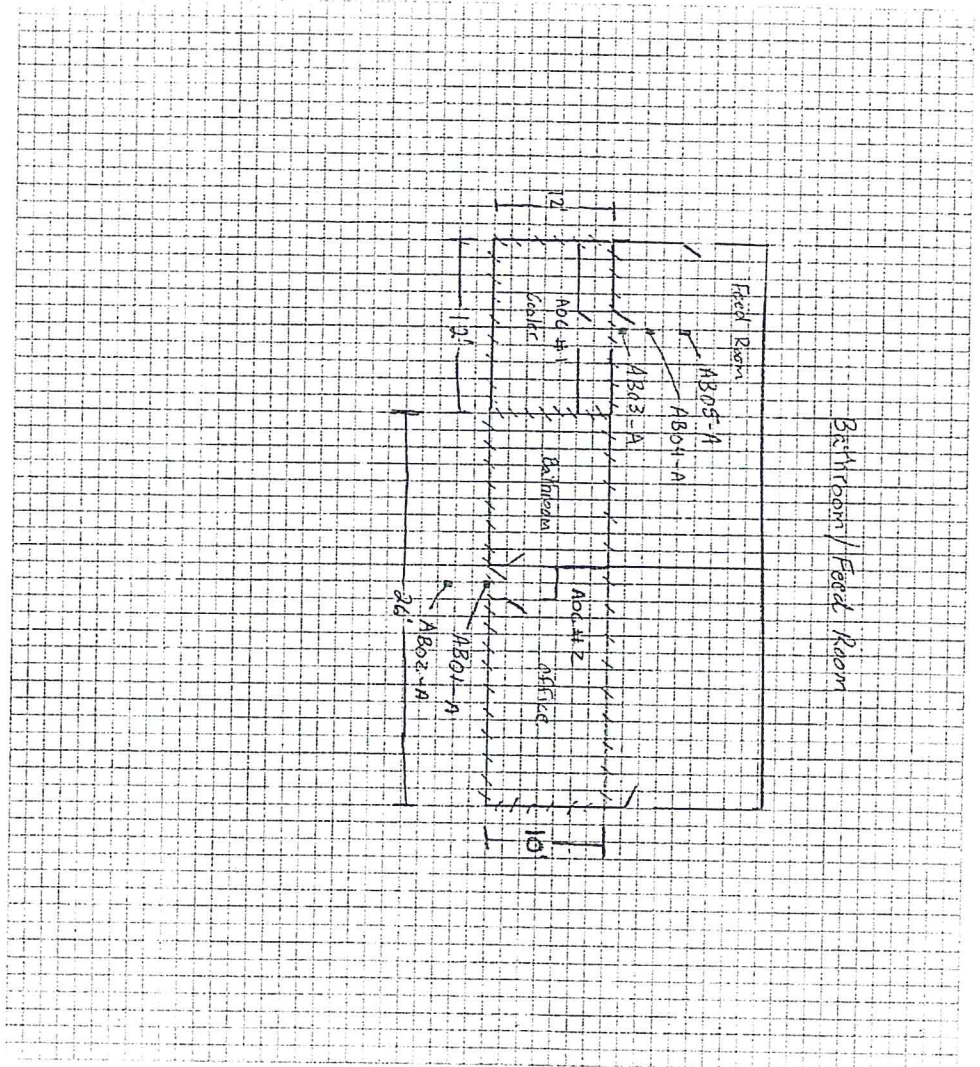
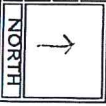
Location: Cranford, NJ

Page 1 of 1

ATL Project No.: PL5598

Drawn By: Tara Fealey

Drawing No.: \_\_\_\_\_



### REMARKS

1. ~~111~~ = Area of container bin
2. ~~11~~ = Bulk Debris sample
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



# ATLANTIC TESTING LABORATORIES

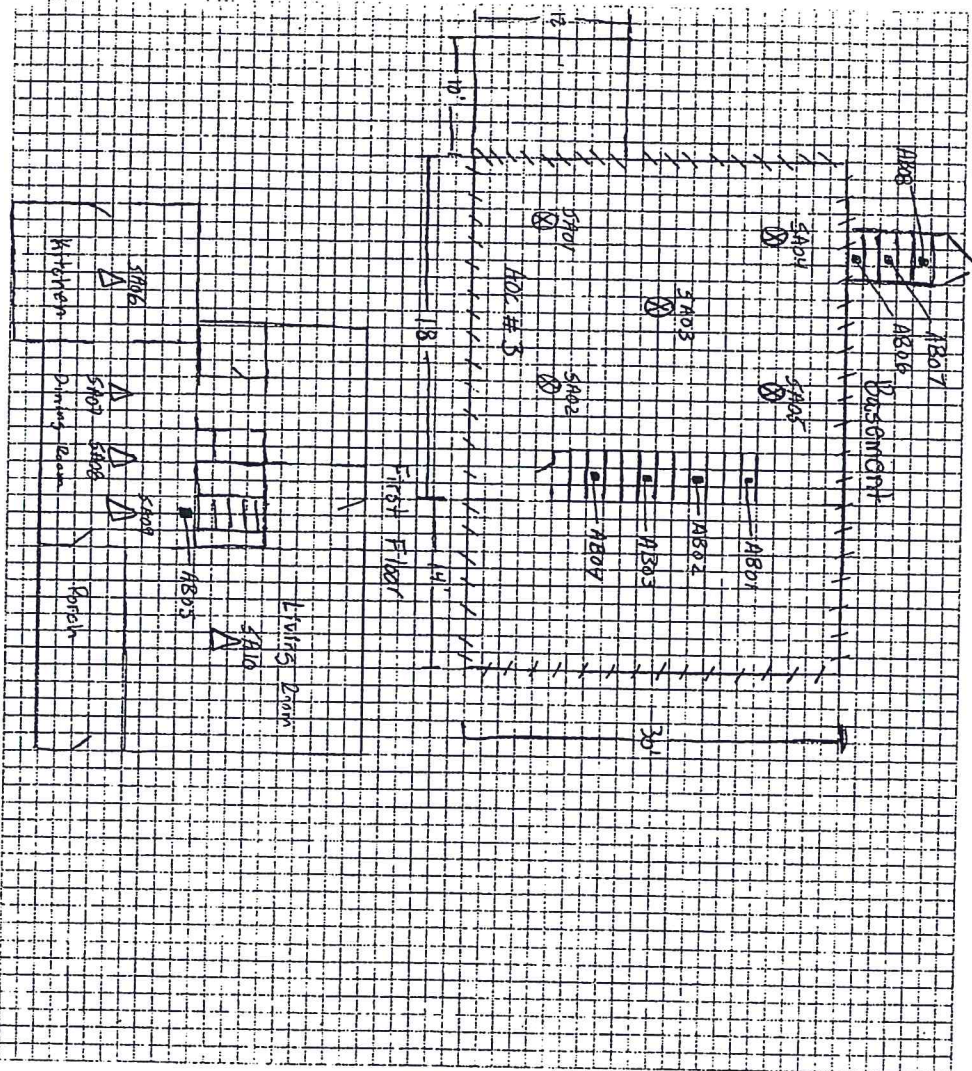
Project Name: Essex County Fish Hatchery  
Location: Crown Point, NY

Page 1 of 1

ATL Project No.: PL5598

Drawn By: Tom Farley

Drawing No.: \_\_\_\_\_



REMARKS

1. --- = Area of cantaminare hair
2. ⊙ = IWA Δ = bulk
3. ■ = Bulk Debris samples
4. \_\_\_\_\_
5. \_\_\_\_\_