



Office of General Services

Design and Construction
AN ISO 9001:2008 CERTIFIED ORGANIZATION

Project Control, 35th Floor, Corning Tower
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Albany, New York 12242
Phone: (518) 474-1314

SUMMARY OF SPECIAL INSPECTIONS

Project No.: **45143**

Instructions: BCNYS Section 1704.2.3 requires the project Designer to complete the Statement of Special Inspections as a condition for issuance of the Construction Permit. The Project Manager should coordinate with each Designer of Record to indicate if special inspection and testing of workmanship or materials is required for each of the construction categories listed below.

Complete this form for ALL projects. Additionally, when special inspections and testing are required and indicated below, complete the Statement of Special Inspections (BDC 406.1), and attach it to this form. Submit the completed form(s) to the Code Compliance Manager.

PROJECT INFORMATION:

DESIGNER INFORMATION:

Project Description: (Project Title, Facility Name and Address) Rehabilitate Facade State Insurance Fund Headquarters 199 Church Street, New York, NY 10007	Architect/ Engineer/Consultant: Robert Murray	
	Name of Person Completing Form: (if different from above) Davis F. Reynolds	
	Phone: 212-741-1102	Date: August 16, 2017
	Architect/ Engineer/Consultant:	
Business Unit: Business Unit 3	Name of Person Completing Form: (if different from above)	
Project Manager: John Hutton	Phone:	Date:

If any of the categories below are checked "YES" indicating the requirement for special inspections and testing, the Designer is to complete the Statement of Special Inspections (BDC 406.1) detailing the level of inspection and testing to be provided for each construction category checked.

CONSTRUCTION CATEGORIES:

2016 BCNYS Section

Special Inspections and Testing Required?

A. Steel Construction	1705.2	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
B. Concrete Construction	1705.3	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
C. Masonry Construction	1705.4	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
D. Wood Construction	1705.5	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
E. Soils	1705.6	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
F. Pile Foundations Driven Deep Foundations	1705.7	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
G. Pier Foundations Cast-In-Place Deep Foundations	1705.8	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
H. Helical Pile Foundations	1705.9	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
I. Fabricated Items	1705.10	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
J. Wind Resistance	1705.11	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
K. Seismic Resistance	1705.12	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
L. Testing for Seismic Resistance	1705.13	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
M. Sprayed Fire-Resistance Materials	1705.14	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
N. Mastic and Intumescent Fire-Resistant Coatings	1705.15	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
O. Exterior Insulation and Finish System (EIFS)	1705.16	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
P. Fire-Resistant Penetration and Joints	1705.17	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

Comments:



STATEMENT OF SPECIAL INSPECTIONS

Project No.: 45143

Instructions: BCNYS Section 1704.2.3 requires the project Design Professional to complete the Statement of Special Inspections as a condition for issuance of the Construction Permit. Complete each section of this form as applicable, and submit it to the Code Compliance Manager with the Summary of Special Inspections (BDC 406).

PROJECT INFORMATION:

DESIGNER INFORMATION:

CONSTRUCTION INFORMATION:

Project Description: (Project Title, Facility Name and Address) Rehabilitate Facade State Insurance Fund Headquarters 199 Church Street, New York, NY 10007	Architect/Engineer/Consultant: Robert Murray		Engineer In Charge:	Region:
	Name of Person Completing Form: (if different from above) David F. Reynolds		Name of Person Completing Form: (if different from above)	
	Phone: 212-741-1102	Date: August 16, 2017	Phone:	Date:
Business Unit: Business Unit 3	Comments:		Comments:	
Team Leader: John Hutton				

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	A. Steel Construction				1705.2			
<input checked="" type="checkbox"/>	1. Structural steel.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	AISC 360 Chapter N.5	1705.2, 1705.2.1	051200 & 055000	Refer to AISC 360-10 Chapter N Section N5.7.	
<input type="checkbox"/>	2. Cold-formed steel deck.		<input type="checkbox"/>	SDI QA/QC 2011	1705.2, 1705.2.2			
<input type="checkbox"/>	3. Installation of open-web steel joist and joist girders.		<input type="checkbox"/>	SJI specification (Section 2207.1)	1705.2, 1705.2.3, 1705.2.4			
	B. Concrete Construction				1705.3			
<input checked="" type="checkbox"/>	1. Inspection of reinforcing steel, including prestressing tendons, and placement.		<input checked="" type="checkbox"/>	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1705.3, 1908.4	032100		

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	B. Concrete Construction				1705.3			
<input type="checkbox"/>	2a. Reinforcing bar welding - Weldability of reinforcing bars other than ASTM A706.		<input type="checkbox"/>	AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	2b. Reinforcing bar welding - Single-pass fillet welds, maximum 5/16 inches.		<input type="checkbox"/>	AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	2c. Reinforcing bar welding - All other welds.	<input type="checkbox"/>		AWS D1.4; ACI 318: 26.6.4	1705.3, 1705.3.1			
<input type="checkbox"/>	3. Cast in concrete anchorage.		<input type="checkbox"/>	ACI 318: 17.8.2	1705.3			
<input type="checkbox"/>	4a. Post installed concrete members - Adhesive anchors installed horizontally or upwardly inclined to resist sustained tension loads.	<input type="checkbox"/>		ACI 318: 17.8.2.4	1705.3			
<input type="checkbox"/>	4b. Post installed concrete members - Mechanical anchors and adhesive anchors not defined in 4.a.		<input type="checkbox"/>	ACI 318: 17.8.2				
<input checked="" type="checkbox"/>	5. Verify use of required design mix.		<input checked="" type="checkbox"/>	ACI 318: Ch. 19, 26.4.3, 26.4.4	1705.3, 1904.1, 1904.2, 1908.2, 1908.3	033000		
<input checked="" type="checkbox"/>	6. Sampling fresh concrete: slump, air content, temperature, strength test specimens.	<input checked="" type="checkbox"/>		ASTM C 172, ASTM C31; ACI 318: 26.4, 26.12	1705.3, 1908.10	033000		
<input checked="" type="checkbox"/>	7. Inspect concrete and shotcrete placement for proper application techniques.	<input checked="" type="checkbox"/>		ACI 318: 26.5	1705.3, 1908.6, 1908.7, 1908.8	033000		
<input checked="" type="checkbox"/>	8. Inspection for maintenance of specified curing temperature and techniques.		<input checked="" type="checkbox"/>	ACI 318: 26.5.3-26.5.5	1705.3, 1908.9	033000		
<input type="checkbox"/>	9. Inspection of prestressed concrete.	<input type="checkbox"/>		ACI 318: 26.10	1705.3			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
<input type="checkbox"/>	10. Erection of precast concrete members.		<input type="checkbox"/>	ACI 318: Ch. 26.8	1705.3			
<input type="checkbox"/>	11. Verification of in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and slabs.		<input type="checkbox"/>	ACI 318: 26.11.2	1705.3			
<input checked="" type="checkbox"/>	12. Inspect formwork for shape, location and dimensions of the concrete member being formed.		<input checked="" type="checkbox"/>	ACI 318: 26.11.1.2(b)		033000		
<input type="checkbox"/>	13. Material Tests – In absence of sufficient data or documentation for materials.		<input type="checkbox"/>	ACI 318 Ch. 19 and 20				
	C. Masonry Construction				1705.4			
<input type="checkbox"/>	1. Masonry construction.	<input type="checkbox"/>	<input type="checkbox"/>	ACI 530/ ASCE 5/TMS 402 and ACI 530.1/ ASCE 6/TMS 602 Ch. 3	1705.4			
<input type="checkbox"/>	2. Empirically designed masonry, glass unit masonry and masonry veneer in Risk Category IV.		<input type="checkbox"/>	TMS 402/ ACI530/ ASCE 5 Level B Ch. 3	1705.4.1, 2109, 2110, or Ch. 14			
<input type="checkbox"/>	3. Vertical masonry foundation elements.	<input type="checkbox"/>	<input type="checkbox"/>		1705.4, 1705.4.2			
	D. Wood Construction				1705.5			
<input type="checkbox"/>	1. Wood construction- Fabrication of wood structural elements and assemblies.		<input type="checkbox"/>		1705.5, 1704.2.5			
<input type="checkbox"/>	2. High-load Diaphragms.		<input type="checkbox"/>		1705.5, 1705.5.1, 2306.2, 1704.2			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	D. Wood Construction				1705.5			
<input type="checkbox"/>	3. Metal-plate-connected wood trusses spanning 60 feet or greater (temp. and perm. installation).		<input type="checkbox"/>		1705.5.2			
	E. Soils				1705.6			
<input type="checkbox"/>	1. Subgrade inspection.		<input type="checkbox"/>		1705.6			
<input type="checkbox"/>	2. Classification and testing of compacted fill materials.		<input type="checkbox"/>		1705.6			
<input type="checkbox"/>	3. Evaluation of in-place density and lift thickness.	<input type="checkbox"/>			1705.6			
<input type="checkbox"/>	F. Driven Deep Foundations Installation and load tests (if applicable).	<input type="checkbox"/>			1705.7			
<input type="checkbox"/>	G. Cast-In-Place Deep Foundations Installation, end bearing strata, and load tests (if applicable).	<input type="checkbox"/>			1705.8			
<input type="checkbox"/>	H. Helical Pile Foundation Installation and load tests (is applicable).	<input type="checkbox"/>			1705.9			
<input type="checkbox"/>	I. Fabricated Items		<input type="checkbox"/>		1705.10, 1704.2.5			
<input type="checkbox"/>	J. Wind Resistance Applicable in Exposure Category B with a basic wind speed of 120 mph and Exposure Categories C or D with basic wind speed of 110 mph or greater.				1705.11			
<input type="checkbox"/>	1a. Structural wood - Field gluing operation of elements of main wind force-resisting system (MWRS).	<input type="checkbox"/>			1705.11.1			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS		Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
<input type="checkbox"/>	J. Wind Resistance Applicable in Exposure Category B with a basic wind speed of 120 mph and Exposure Categories C or D with basic wind speed of 110 mph or greater.				1705.11			
<input type="checkbox"/>	1b. Structural wood - Nailing, bolting, anchoring, and fastening elements of the MWRS.		<input type="checkbox"/>		1705.11.1			
<input type="checkbox"/>	2a. Cold formed steel - Welding operations of elements of MWRS.		<input type="checkbox"/>		1705.11.2			
<input type="checkbox"/>	2b. Cold formed steel - Screw attachments, bolting, anchoring, and fastening of elements of MWRS.		<input type="checkbox"/>		1705.11.2			
<input type="checkbox"/>	3. Wind-resisting components – Roof covering, roof deck, and roof framing connections. Exterior wall covering and wall connections to roof and floor diaphragms and framing.		<input type="checkbox"/>		1705.11, 1705.11.3			
<input type="checkbox"/>	K. Special Inspections for Seismic Resistance Applicable to specific structures, systems, and components.				1705.12			
<input type="checkbox"/>	1. Structural steel - Seismic force-resisting systems & elements.	<input type="checkbox"/>		AISC 341 Ch. J	1705.12.1.1 or 1705.12.1.2			
<input type="checkbox"/>	2a. Structural wood - Field gluing operation of elements of seismic force- resisting system (SFRS).	<input type="checkbox"/>			1705.12.2			
<input type="checkbox"/>	2b. Structural wood - Nailing, bolting, anchoring, and fastening of elements of SFRS.		<input type="checkbox"/>		1705.12.2			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	K. Special Inspections for Seismic Resistance Applicable to specific structures, systems, and components.				1705.12			
<input type="checkbox"/>	3. Cold-formed steel framing – welding and fasteners.		<input type="checkbox"/>		1705.12.3			
<input type="checkbox"/>	4. Designated seismic systems – verify that label, anchorage, and mounting conforms to the certificate of compliance.		<input type="checkbox"/>	ASCE 7 Section 13.2.2	1705.12.4			
<input type="checkbox"/>	5. Architectural components.		<input type="checkbox"/>		1705.12.5			
<input type="checkbox"/>	6. Mechanical and electrical components.		<input type="checkbox"/>		1705.12.6			
<input type="checkbox"/>	7. Storage racks and access floors.		<input type="checkbox"/>		1705.12.7,			
<input type="checkbox"/>	8. Seismic isolation systems.		<input type="checkbox"/>		1705.12.8			
<input type="checkbox"/>	9. Cold-formed steel special bolted moment frames.		<input type="checkbox"/>		1705.12.9			
<input type="checkbox"/>	L. Structural Testing for Seismic Resistance Applicable to specific structures, systems, and components.				1705.13			
<input type="checkbox"/>	1. Structural steel.	<input type="checkbox"/>	<input type="checkbox"/>	AISC 341 Ch. J	1705.13.1			
<input type="checkbox"/>	2. Nonstructural components.		<input type="checkbox"/>	ASCE 7 Section 13.2.1	1705.13.2			
<input type="checkbox"/>	3. Designated seismic systems.		<input type="checkbox"/>	ASCE 7 Section 13.2.2	1705.13.3			

Check if Required	INSPECTION AND TESTING Continuous and Periodic as defined by the BCNYS	Continuous	Periodic	REFERENCE STANDARD	BCNYS REFERENCE	SPEC SECTION	COMMENTS	REGIONAL INSPECTION ASSIGNMENTS
	L. Structural Testing for Seismic Resistance Applicable to specific structures, systems, and components.				1705.13			
<input type="checkbox"/>	4. Seismic isolation systems.		<input type="checkbox"/>	ASCE 7 Section 17.8	1705.13.4			
	M. Sprayed Fire-Resistant Materials [BF]				1705.14			
<input type="checkbox"/>	1. Physical and visual tests.		<input type="checkbox"/>		1705.14.1			
<input type="checkbox"/>	2. Structural member surface conditions.		<input type="checkbox"/>		1705.14.2			
<input type="checkbox"/>	3. Application.		<input type="checkbox"/>		1705.14.3			
<input type="checkbox"/>	4. Thickness.		<input type="checkbox"/>	ASTM E 605	1705.14.4			
<input type="checkbox"/>	5. Density.		<input type="checkbox"/>	ASTM E 605	1705.14.5			
<input type="checkbox"/>	6. Bond strength.		<input type="checkbox"/>	ASTM E 736	1705.14.6			
<input type="checkbox"/>	N. Mastic and Intumescent Fire-Resistant Coatings [BF]		<input type="checkbox"/>	AWCI 12-B	1705.15			
<input type="checkbox"/>	O. Exterior Insulation and Finish Systems (EIFS)		<input type="checkbox"/>	ASTM E2570	1705.16			
<input type="checkbox"/>	P. Fire-Resistant Penetrations and Joints [BF] High rise building or buildings assigned to risk category III or IV		<input type="checkbox"/>	ASTM E2174 ASTM E2393	1705.17			
<input type="checkbox"/>	Q. Testing for Smoking Control [F]		<input type="checkbox"/>		1705.18			



ATLANTIC TESTING LABORATORIES

WBE certified company

Poughkeepsie
251 Upper North Road
Highland, NY 12528
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June 3, 2016

Murray Engineering, P.C.
307 Seventh Avenue, Suite 1001
New York, New York 10001

Attn: Mr. David Reynolds

Re: Limited Hazardous Materials Survey
New York State Insurance Fund Building
199 Church Street
New York, New York
ATL Report No. PT5278CE-01-06-16

Ladies/Gentlemen:

Enclosed is a copy of the Limited Hazardous Materials Survey report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. PT5998-06XX-03-15), dated January 20, 2016, and authorized by David F. Reynolds, on May 2, 2016

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

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Cameron M. Heller
Environmental Technician

CMH/JDG/ch

Enclosures

LIMITED HAZARDOUS MATERIALS SURVEY

**199 CHURCH STREET
NEW YORK, NEW YORK
NYSOGS PROJECT No. 45143**



WBE certified company

PREPARED BY:

**ATLANTIC TESTING LABORATORIES, LIMITED
251 Upper North Road
Highland, New York 12528**

PREPARED FOR:

**MURRAY ENGINEERING, P.C.
307 SEVENTH AVENUE, SUITE 1001
NEW YORK, NEW YORK 10001**

ATL REPORT NO. PT5278CE-01-06-16

JUNE 3, 2016

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1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained by Murray Engineering, P.C., to perform a limited hazardous materials survey of the exterior façade, roofs, windows, and doors from the exterior of the New York State Insurance Fund Building. The limited survey was performed on May 11, 2016. The purpose of the limited hazardous materials survey was to identify asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCB)-containing materials that are present on exposed surfaces within the subject areas, and may have a significant impact on planned renovation activities. The limited hazardous materials survey procedures and report format that follow are in general compliance with applicable local, state, and federal rules and regulations.

1.2 Project Team and Certifications

Members of the ATL project team included Joseph D. Grabowski, Asbestos Services Manager; Brian J. Babcock, Senior Technician; Lynette I. Vayo, Senior Technician; and Cameron H. Heller, Technician. Certifications of ATL's field survey team members and a copy of applicable company licenses maintained by ATL are included in Appendix A.

2.0 SCOPE OF WORK

2.1 Project Description

The project site is located at 199 Church Street, New York, Manhattan County, New York.

The intent of the limited hazardous materials survey was to identify suspect ACM, LBP, and PCB-containing materials that are located within designated areas of the New York State Insurance Fund Building and may be impacted during a proposed exterior renovation project.

The limited hazardous materials survey was conducted for the subject areas, as directed by David Reynolds, representing Murray Engineering, P.C. The subject areas were occupied and operational at the time of the sampling event.

2.2 Inaccessible Areas

The extent of inaccessible areas is dependent upon the building type, construction materials, history of renovations and repairs, and project scope. Concealed materials may exist in areas that are not readily exposed to view. Although this limited hazardous materials survey was performed to identify ACM, LBP, and PCB-containing caulk within the subject areas, potential ACM, LBP, and/or PCB-containing caulk may have escaped detection that could be encountered during future building demolition and/or renovation activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect ACM, LBP, and/or PCB-containing caulk. The gray air intake caulk was inaccessible at the time of the limited survey event and is assumed ACM. If any suspect ACM, LBP, and/or PCB-containing caulk are encountered during demolition and/or renovation activities, the activities disturbing the suspect ACM, LBP, and/or PCB-containing caulk must stop and the material must be sampled and laboratory analyzed in accordance with applicable regulations.

2.3 Document Review

No historical hazardous materials survey reports or sampling and analysis data were available for review at the time of the limited hazardous materials survey.

2.4 Limitations

This report has been prepared in accordance with the scope of work outlined in ATL's contract (ATL No. PT5998-06-03XX-15), dated January 20, 2016, and should not be used as abatement specifications or design documents. The findings, conclusions, and recommendations presented in this report are based on the field observations made by representatives of ATL and the information provided by representatives of Murray Engineering, P.C.

Quantities and locations of sampled materials are approximate, and should be verified by the abatement contractor(s) prior to providing actual cost quotations and/or initiating abatement activities. Variations in reported quantities and locations for sampled materials, in addition to the discovery of suspect materials not identified in this report, is possible due to the presence of inaccessible areas, as described in Section 2.2 of this report.

The findings and opinions are relevant to the dates of our site work and should not be relied on to represent conditions at substantially later dates.

3.0 ASBESTOS

3.1 Methodology

A visual examination of the subject areas was conducted by an Asbestos Building Inspector to identify suspect ACM. Functional spaces were identified to assist while locating suspect ACM. A functional space is defined as a spatially distinct area within a building that contains identifiable populations of building occupants. A functional space may include a room, a group of rooms, or other defined area, and several functional spaces may comprise a single homogeneous sampling area. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance. Each identified functional space was visually examined to determine the locations of suspect ACM. These materials were then delineated into homogeneous sampling areas.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect ACM samples were submitted to AmeriSci New York (AmeriSci), located in New York, New York. The samples were laboratory analyzed by polarized light microscopy (PLM) and transmission electron microscopy (TEM) methodologies, as applicable. AmeriSci is a New York State Department of Health (NYSDOH) certified laboratory for PLM and TEM analysis under Environmental Laboratory Approval Program (ELAP) No. 11480. AmeriSci is also accredited by the National Institute of Standards and Technology (NIST), under the National Voluntary Laboratory Accreditation Program (NVLAP).

3.2 Regulatory Compliance

In New York State, there are multiple regulatory agencies that have jurisdiction over ACM in buildings. Asbestos survey requirements are primarily regulated or specified by the New York State Department of Labor (NYSDOL), the New York State Department of Health (NYSDOH),

the Occupational Safety and Health Administration (OSHA), and the United States Environmental Protection Agency (EPA).

The NYSDOL established Part 56 of The Official Compilation of Codes, Rules, and Regulations (cited as 12 NYCRR, Part 56) to address the proper identification, handling, removal, and disposal of ACM in buildings. Asbestos survey requirements are specified in Subpart 56-5.1 "Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling and Repair." The NYSDOL also works in conjunction with the NYSDOH to establish and maintain asbestos safety training program requirements, and enforce personnel certifications and licensing protocol for asbestos contractors.

The OSHA defines requirements for asbestos surveys and identification of ACM and presumed asbestos-containing materials (PACM) in 29 CFR 1926.1101 (k) "Communication of Hazards." Under this regulation, OSHA makes reference to conducting inspections according to 1926.1101 (k)(5)(ii)(B) and 1926.1101 (k)(5)(iii) or pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E "Asbestos-Containing Materials in Schools." The AHERA is regulated by the EPA, and applies to primary and secondary schools only; however, the procedures mandated under AHERA are generally considered the industry standards for surveys, as these are typically the most stringent.

3.3 Summary of Findings

A total of 12 homogeneous areas of suspect ACM were identified during the visual examination, from which 20 bulk samples were collected and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A copy of laboratory reports and sample custody documentation are contained in Appendix C. Table I contained in Appendix D, provides a summary of the identified suspect ACM and associated analytical results.

The EPA, NYSDOL, and other regulatory agencies define ACM as any material containing greater than 1% of asbestos. Materials listed in bold font in Table I contained within Appendix D, were determined or assumed to be ACM.

Materials containing trace asbestos (i.e., less than 1%) are not considered ACM; however, the OSHA recognizes materials that contain trace amounts of asbestos, and requires these materials be handled in accordance with their standard interpretation letter titled "Requirements for demolition operations involving material containing <1% asbestos", dated August 13, 1999. As shown in Table I contained in Appendix D, 1 material was determined to contain trace amounts of asbestos.

4.0 LEAD-BASED PAINT

4.1 Methodology

A visual examination of the subject building was conducted by a Lead Inspector to identify visible and accessible painted surfaces. The painted surfaces were categorized into homogeneous areas from which tests could be conducted. Each homogeneous area was tested using a ThermoFisher Scientific Niton XLP 303A XRF Analyzer. This equipment provides instantaneous measurements for lead concentration in mg/cm², and displays readings that are positive or negative indications for LBP. Calibration checks for the XRF equipment were performed in accordance with the manufacturer's recommendations.

4.2 Regulatory Compliance

Although New York State has established Title X, Part 67 of The Official Compilation of Codes, Rules, and Regulations (cited as NYCRR Title X, Part 67) for "Lead Poisoning Prevention and Control," LBP inspections and risk assessments are generally subject to the requirements of federal regulations. The United States Department of Housing and Urban Development (HUD), EPA, and OSHA are the primary federal regulatory agencies responsible for the establishment and enforcement of such regulations. On a state level, the NYSDOH does require laboratories to be certified to perform lead analysis under the ELAP.

The HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" include details pertaining to sampling and analysis of suspect LBP, in addition to the identification and control of LBP hazards. The HUD guidelines pertain to federally owned or assisted housing; however, these are commonly referenced and made mandatory by other regulatory agencies. The EPA requirements for LBP activities, specified in 40 CFR Part 745, apply to targeted housing and child-occupied facilities, and are similar to HUD guideline requirements.

The OSHA Construction Standard for Lead (29 CFR 1926.62) applies to employees of an employer who may or will be exposed to occupational levels of lead. OSHA requires employees to maintain, at a minimum, awareness, respiratory protection, and hazard communication training.

4.3 Summary of Findings

A total of 5 locations were tested using the XRF spectrometer. Approximate sample locations are depicted on the Sample Location Plan, contained in Appendix B. A summary of the XRF calibration checks are provided in Table E-II of Appendix E. Painted surfaces that did not contain lead at a concentration above the method detection limits are summarized in Table E-I of Appendix E.

5.0 POLYCHLORINATED BIPHENYLS

5.1 Methodology

A visual examination of the subject areas was conducted by an Environmental Scientist to identify suspect PCB-containing caulk. The identified materials were classified into homogeneous sampling areas. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect PCB-containing caulk samples were submitted to Pace analytical, located in Schenectady, New York. The samples were laboratory analyzed for PCB, in accordance with EPA Method 8082. Pace Analytical is a NYSDOH certified laboratory for PCB analysis under ELAP No. 11078.

5.2 Regulatory Compliance

PCB are primarily regulated by the EPA. The EPA has issued several documents and enforces federal mandated laws and regulations governing the usage, management, and disposal of PCB-containing materials. State and local regulatory agencies have also enacted laws and

regulations concerning PCB materials, many of which are consistent with the regulations set forth by the EPA. In accordance with the regulations and guidelines presented in 40 CFR Parts 750 and 761 "Disposal of Polychlorinated Biphenyls; Final Rule," PCB wastes are generally regulated for disposal under the Toxic Substances Control Act (TSCA) if the concentrations are 50 ppm or greater. Per New York State Department of Environmental Conservation (NYSDEC) regulations, material containing greater than 50 ppm is regulated hazardous waste.

5.3 Summary of Findings

A total of 6 homogeneous suspect PCB-containing caulk materials were identified during the visual examination, from which 6 bulk samples were collected, composited, and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plan, contained in Appendix B. A copy of laboratory reports and associated sample custody documentation are contained in Appendix C. Table II, contained in Appendix D, provides a summary of the identified suspect PCB-containing caulk and associated analytical results.

PCB-containing caulk is regulated under the TSCA as an "unauthorized use," and is considered a regulated hazardous material at concentrations equal to or greater than 50 ppm. Samples listed in bold font in Table II contained in Appendix D, exceeded 50 ppm total.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are prepared from ATL's understanding that the subject building may be subject to renovation projects. Should the management of the building areas change, it is recommended that the findings be revisited to reflect appropriate operations and management practices for ACM, LBP, and PCB-containing caulk.

6.1 General

1. Concealed regulated ACM, LBP, or PCB may exist at the site that could be encountered during future building renovation activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect ACM, LBP, and/or PCB. If any suspect ACM, LBP, and/or PCB is encountered during demolition and/or renovation activities, the activities disturbing the suspect ACM, LBP, or PCB must stop and the material must be sampled and laboratory analyzed in accordance with applicable regulations.

6.2 Asbestos-Containing Materials

1. The materials listed in bold in Table I of Appendix D were determined to be ACM. The referenced table also shows a material that contains trace concentrations of asbestos and is regulated under OSHA.
2. Subpart 56-5(h) of 12 NYCRR Part 56 requires that no demolition, renovation, remodeling, or repair work be commenced by any owner or the owner's agent prior to the completion of asbestos abatement. Asbestos abatement must be performed by an asbestos abatement contractor that maintains a current asbestos handling license, and employs NYSDOL certified asbestos handlers and supervisors. It is recommended that a 12 NYCRR 56 certified Project Monitor oversee abatement activities.

3. Subpart 56-5(g) of 12 NYCRR Part 56 specifies requirements for transmittal of asbestos survey information by the owner or owner's agent. One copy of the asbestos survey report shall be sent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under applicable State or local laws. If controlled demolition or pre-demolition activities will be performed, one copy of the asbestos survey report shall be submitted to the appropriate Asbestos Control Bureau district office. One copy of the asbestos survey report must be kept on the construction site throughout the duration of the asbestos project and any associated demolition, renovation, remodeling, or repair project.

6.3 Lead-Based Paint

1. A summary of the XRF calibration checks are provided in Table E-II of Appendix E. Painted surfaces that did not contain lead at a concentration above the method detection limits are summarized in Table E-I of Appendix E.
2. Demolition/renovation contractors are required to conduct exposure monitoring or use historical objective data to ensure that employee exposures do not exceed the action level of $30 \mu\text{g}/\text{m}^3$.

6.4 PCB-Containing Materials

1. The caulk material listed in bold in Table II of Appendix D contained PCB concentrations exceeding 50 ppm, and is therefore considered hazardous materials/hazardous waste.
2. The EPA considers caulk with a PCB concentration greater than 50 ppm as an "unauthorized use", and requires that these materials be properly removed and disposed of.

APPENDIX A

LICENSES AND CERTIFICATIONS

Asbestos Certificate Code Classifications

The following letter codes shown on the enclosed asbestos certificates represent the corresponding asbestos classifications:

- | | | | |
|------------|-------------------------|------------|---------------------------|
| A - | Asbestos Handler | F - | Operations & Maintenance |
| B - | Allied Trades | G - | Asbestos Supervisor |
| C - | Air Sampling Technician | H - | Asbestos Project Monitor |
| D - | Building Inspector | I - | Asbestos Project Designer |
| E - | Management Planner | | |

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 54287

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2015-06-29 through 2016-06-30

Effective Dates



A handwritten signature in black ink, appearing to read "William R. Murphy".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
Email: pmucha@amerisci.com
<http://www.amerisci.com>

ASBESTOS FIBER ANALYSIS

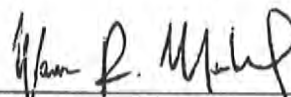
NVLAP LAB CODE 200546-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Atlantic Testing Laboratories, Limited

P.O. Box 29

Canton, NY 13617

FILE NUMBER: 99-0911

LICENSE NUMBER: 29276

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 09/03/2015

EXPIRATION DATE: 10/31/2016

Duly Authorized Representative – Marijean B Remington:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor



01213 00000065222

EYES BRO
HAIR BRO
HGT 5' 03"



IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. **736757**

I - To be completed by Trainee

Name of Trainee (print) Lynette Vayo	NYS Dept. of Motor Vehicles ID (DMV ID) ¹ 251 022 211	
Signature of Trainee <i>Lynette Vayo</i>	Telephone Number 315-267-6356	Date of Birth ¹ 11/15/1977
Address ² 197 Willow Street Johnson City NY 13790 (Street or PO Box) (City) (State) (Zip Code)		

II - To be completed by Training Sponsor

Provider's Name ECMC	Telephone Number 315 687 9435	
Address 115 Genesee St	Course Location: Chatterango	
Zip Code 13790		
Course Title: Project Monitor	<input type="checkbox"/> Initial	<input checked="" type="checkbox"/> Refresher
<input type="checkbox"/> NYS DOH use only <input type="checkbox"/> DOH Equivalency ²		

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: **100% 9/16/15**
 Dates of Training: From: **9/16/15** To: **9/16/15** Expires: **9/16/16**

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director²: **MICHAEL WELLS** (Print) *[Signature]* (Signature)

DOH-2832 (10/03)

¹Optional Information

²DOH Equivalency signed by NYS DOH representative only

STUDENT

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. **736772**

I - To be completed by Trainee

Name of Trainee (print) Lynette Vayo	NYS Dept. of Motor Vehicles ID (DMV ID) ¹ 251 022 211	
Signature of Trainee <i>Lynette Vayo</i>	Telephone Number 315-267-6356	Date of Birth ¹ 11/15/1977
Address ² 197 Willow Street Johnson City NY 13790 (Street or PO Box) (City) (State) (Zip Code)		

II - To be completed by Training Sponsor

Provider's Name ECMC	Telephone Number 315 687 9435	
Address 115 Genesee St	Course Location: Chatterango	
Zip Code 13790		
Course Title: Building Inspector	<input type="checkbox"/> Initial	<input checked="" type="checkbox"/> Refresher
<input type="checkbox"/> NYS DOH use only <input type="checkbox"/> DOH Equivalency ²		

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: **76% 9/17/16**
 Dates of Training: From: **9/17/15** To: **9/17/15** Expires: **9/17/16**

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director²: **MICHAEL WELLS** (Print) *[Signature]* (Signature)

DOH-2832 (10/03)

¹Optional Information

²DOH Equivalency signed by NYS DOH representative only

STUDENT

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



BRIAN J. BABCOCK
CLASS(EXPIRES)
C ATEC(09/18) D INSP(09/16)
H PM (09/16)

CERT# 07306992
DMV# 152012178

MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. **736465**

I - To be completed by Trainee

Name of Trainee (print) BRIAN BARBOCK	NYS Depart. of Motor Vehicles ID (DMV ID) ¹ 162-012-578	
Signature of Trainee <i>Brian Barbock</i>	Telephone Number 815 261 8643	Date of Birth ¹ 09/22/67
Address 21201 WAREHOUS RD WATERTOWN N.Y. 13601 (Street or PO Box) (City) (State) (Zip Code)		

II - To be completed by Training Sponsor

Provider's Name Commuter Training Inst	Telephone Number 585 319 8625
Address 515 State St	Course Location: 515 State St
Zip Code Rochester NY 14608	Rochester NY 14608

Course Title: Inspector ☐ Initial ☒ Refresher ☐ NYS DOH use only ☐ DOH Equivalency²

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: **96% 9/2/15**

Dates of Training: From: **9/2/15** To: **9/2/15** Expires: **9/2/16**

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director: B. Marcus Hefley by Lynn Burlingham (Print) (Signature)

STATE OF NEW YORK · DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



CAMERON M. HELLER
CLASS(EXPIRES)
C-ATEC(08/17) · D-INS(08/17)
H-PM (08/17)

CERT# 15-11019
DMV# 752097636

MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. **747635**

I - To be completed by Trainee

Name of Trainee (print) Cameron Heller	NYS Depart. of Motor Vehicles ID (DMV ID) ¹ 792 097 636	
Signature of Trainee <i>Cameron Heller</i>	Telephone Number 845-416-4989	Date of Birth ¹ 08/16/1990
Address 26 Edgewood Dr. Saugerties NY 12477 (Street or PO Box) (City) (State) (Zip Code)		

II - To be completed by Training Sponsor

Provider's Name	Telephone Number
Address ATC GROUP SERVICES LLC, 104 EAST 25TH STREET, 8TH FLOOR NYC, NY 10010	Co 212-353-8280 Location:
Zip Code	SAME

Course Title: **Impactor** ☒ Initial ☐ Refresher ☐ NYS DOH use only
DOH Equivalency²

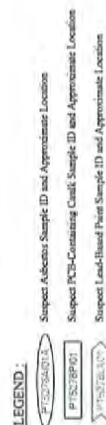
Training Language: ☐ English ☐ Other: _____ Exam Grade/Date: **98% 1-22-16** *M.G.*

Dates of Training: From: **1/20/16** To: **1/22/16** Expires: **1/22/17**

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director²: *S. W. Magan* (Print) *[Signature]* (Signature)

APPENDIX B
SAMPLE LOCATION PLANS



1	Black Metal Transition Scaffolding
2	Black Coating Associated with Concrete Columns and Parapet Walls
3	Black Edge Adhesive Associated with Concrete Columns and Parapet Walls
4	Tan Door Caulk
5	Grey Caulk
6	Black Flashing Caulk/Tie

SAMPLE LOCATION PLAN		Drawn By:	JDF	Drawing:	1 of 1	Scale:	As Noted	Project No.:	PT3278	Date:	June 2016
		New York State Insurance Fund Building 199 Church Street New York, New York									
ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canaan, NY Elmira, NY Poughkeepsie, NY Pittsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY 100% Customer Company www.ATL-Testing.com											

APPENDIX C

LABORATORY REPORTS AND CUSTODY DOCUMENTATION

**AmeriSci New York**

117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Dan Faulkham
P.O. Box 29

Canton, NY 13617

Date Received 05/12/16 **AmeriSci Job #** 216052242
Date Examined 05/17/16 **P.O. #** COC #: 17328-17327
ELAP # 11480 **Page** 1 of 4
RE: PT5278; NYSIF Building; 199 Church Street, New York, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5278AI01A 01	216052242-01 Location: Upper Roof - West Parapet Wall - White Flashing Termination Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 4.1 %			
PT5278AI01B 01	216052242-02 Location: Upper Roof - West Parapet Wall - White Flashing Termination Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 5.1 %			
PT5278AI02A 02	216052242-03 Location: South Wall Of Parapet - Black Metal - Brick Transition Sealant	Yes	Trace (<1 %) ¹ (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Anthophyllite <1 % pc Other Material: Non-fibrous 50 %			
PT5278AI02B 02	216052242-04 Location: South Wall Of Parapet - Black Metal - Brick Transition Sealant	Yes	Trace (<1 %) ¹ (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Anthophyllite <1 % pc Other Material: Non-fibrous 51.8 %			
PT5278AI03A 03	216052242-05 Location: Upper Roof - West Parapet Wall - Gray Parapet Cap Metal Seam Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11.2 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5278; NYSIF Building; 199 Church Street, New York, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5278AI03B 03	216052242-06 Location: Upper Roof - West Parapet Wall - Gray Parapet Cap Metal Seam Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.1 %			
PT5278AI04A 04	216052242-07 Location: Upper Roof - West Center Column - Black Concrete Column Coating	Yes	7.5 % (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 7.5 % Other Material: Non-fibrous 9.3 %			
PT5278AI04B 04	216052242-08 Location: Upper Roof - West Center Column - Black Concrete Column Coating		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
PT5278AI05A 05	216052242-09 Location: Upper Roof - West Center Column - Black Edge Adhesive Assoc. With Concrete Column	Yes	9.2 % (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 9.2 % Other Material: Non-fibrous 6.9 %			
PT5278AI05B 05	216052242-10 Location: Upper Roof - West Center Column - Black Edge Adhesive Assoc. With Concrete Column		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
PT5278AI06A 06	216052242-11 Location: South Stairwell Door, Facing North - Tan Door Caulk	Yes	2.6 % (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.6 % Other Material: Non-fibrous 7.6 %			

PLM Bulk Asbestos Report

PT5278; NYSIF Building; 199 Church Street, New York, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5278AI06B 06	216052242-12 Location: South Stairwell Door, Facing North - Tan Door Caulk		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
PT5278AI07A 07	216052242-13 Location: Lower Roof - West Side - Black Metal Edge Sealant	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2.7 %			
PT5278AI07B 07	216052242-14 Location: Lower Roof - West Side - Black Metal Edge Sealant	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2.7 %			
PT5278AI08A 08	216052242-15 Location: NE Office, 15th Floor - Gray Window Sill And Perimeter Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10.9 %			
PT5278AI08B 08	216052242-16 Location: NE Office, 15th Floor - Gray Window Sill And Perimeter Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 15.7 %			
PT5278AI09A 09	216052242-17 Location: West Exterior Near Main Entrance - Black Granite Panel Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29.1 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

PT5278; NYSIF Building; 199 Church Street, New York, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PT5278AI09B 09	216052242-18 Location: West Exterior Near Main Entrance - Black Granite Panel Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 22.8 %			
PT5278AI10A 10	216052242-19 Location: West Exterior Near Main Entrance - Gray Window Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25.7 %			
PT5278AI10B 10	216052242-20 Location: West Exterior Near Main Entrance - Gray Window Caulk	No	NAD (by NYS ELAP 198.6) by David W. Roderick on 05/17/16
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.7 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: David W. Roderick

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results
 PT5278; NYSIF Building; 199 Church Street, New York, New York

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	PT5278AI01A	01	0.217	74.7	21.2	4.1	NAD	NAD
Location:	Upper Roof - West Parapet Wall - White Flashing Termination Caulk							
02	PT5278AI01B	01	0.177	74.6	20.3	5.1	NAD	NAD
Location:	Upper Roof - West Parapet Wall - White Flashing Termination Caulk							
03	PT5278AI02A	02	0.174	12.1	37.9	47.5	Anthophyllite <1	Anthophyllite 2.5
Location:	South Wall Of Parapet - Black Metal - Brick Transition Sealant							
04	PT5278AI02B	02	0.222	12.6	35.6	51.8	Anthophyllite <1	NA/PS
Location:	South Wall Of Parapet - Black Metal - Brick Transition Sealant							
05	PT5278AI03A	03	0.143	76.2	12.6	11.2	NAD	NAD
Location:	Upper Roof - West Parapet Wall - Gray Parapet Cap Metal Seam Caulk							
06	PT5278AI03B	03	0.173	82.7	9.2	8.1	NAD	NAD
Location:	Upper Roof - West Parapet Wall - Gray Parapet Cap Metal Seam Caulk							
07	PT5278AI04A	04	0.214	77.6	5.6	9.3	Chrysotile 7.5	NA
Location:	Upper Roof - West Center Column - Black Concrete Column Coating							
08	PT5278AI04B	04	0.227	78.0	3.1	18.9	NA/PS	NA
Location:	Upper Roof - West Center Column - Black Concrete Column Coating							
09	PT5278AI05A	05	0.217	80.2	3.7	6.9	Chrysotile 9.2	NA
Location:	Upper Roof - West Center Column - Black Edge Adhesive Assoc. With Concrete Column							
10	PT5278AI05B	05	0.244	75.8	4.5	19.7	NA/PS	NA
Location:	Upper Roof - West Center Column - Black Edge Adhesive Assoc. With Concrete Column							
11	PT5278AI06A	06	0.167	35.3	54.5	10.2	Chrysotile 2.6	NA
Location:	South Stairwell Door, Facing North - Tan Door Caulk							
12	PT5278AI06B	06	0.173	31.8	58.4	9.8	NA/PS	NA
Location:	South Stairwell Door, Facing North - Tan Door Caulk							
13	PT5278AI07A	07	0.150	94.7	2.7	2.7	NAD	NAD
Location:	Lower Roof - West Side - Black Metal Edge Sealant							
14	PT5278AI07B	07	0.223	92.8	4.5	2.6	NAD	Chrysotile Trace
Location:	Lower Roof - West Side - Black Metal Edge Sealant							
15	PT5278AI08A	08	0.238	27.7	61.3	10.9	NAD	NAD
Location:	NE Office, 15th Floor - Gray Window Sill And Perimeter Caulk							
16	PT5278AI08B	08	0.172	26.2	58.1	15.7	NAD	NAD
Location:	NE Office, 15th Floor - Gray Window Sill And Perimeter Caulk							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 PT5278; NYSIF Building; 199 Church Street, New York, New York

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
17	PT5278AI09A	09	0.223	27.4	43.5	29.1	NAD	NAD
Location:	West Exterior Near Main Entrance - Black Granite Panel Caulk							
18	PT5278AI09B	09	0.250	29.6	47.6	22.8	NAD	NAD
Location:	West Exterior Near Main Entrance - Black Granite Panel Caulk							
19	PT5278AI10A	10	0.311	17.7	56.6	25.7	NAD	NAD
Location:	West Exterior Near Main Entrance - Gray Window Caulk							
20	PT5278AI10B	10	0.119	58.0	40.3	1.7	NAD	NAD
Location:	West Exterior Near Main Entrance - Gray Window Caulk							

Analyzed by: Aleksandr Barengolts

Date Analyzed 5/17/2016

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples: 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); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

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 heterogeneous materials).

Reviewed By: _____



17328

Project No.		Project Name		Date Collected		Laboratory Instructions			Report Distribution			
PT5278		NYSIF Building 199 Church Street New York, NY		5/11/16 Page 1 of 2		<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input type="checkbox"/> Positive Stop Analysis If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other			Send Reports To (ATL Office): Poughkeepsie ATL Contact: Dan Faulknerham Send Copy To: amerisci PT@atlantictesting.com Email Results: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
Project Contact:		Dan Faulknerham										
Project Location:		NYSIF Building - NY, NY										
Field Sample No.	Sample Location	Sample Description	Analysis Requested	PLM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.					
PT5278A101A	Upper Roof - West Parapet Wall	White Flashing Termination Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A101B	Upper Roof - West Parapet Wall	White Flashing Termination Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A102A	South Wall of Parapet	Black Metal-Brick Transition Sealant	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A102B	Upper Roof - West Parapet Wall	Gray Parapet Cap Metal Seam Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A103A	Upper Roof - West Parapet Wall	Gray Parapet Cap Metal Seam Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A103B	Upper Roof - West Parapet Wall	Black Concrete Column Coating	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A104A	Upper Roof - West Center Column	Black Concrete Column Coating	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A104B	Upper Roof - West Center Column	Black Edge Adhesive Assoc. w/ Concrete Column	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A105A	Upper Roof - West Center Column	Black Edge Adhesive Assoc. w/ Concrete Column	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A105B	Upper Roof - West Center Column	Tan Door Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A106A	South Stairwell Door Facing North	Tan Door Caulk	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A106B	South Stairwell Door Facing North	Black Metal Edge Sealant	<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
PT5278A107A	Lower Roof - West Side		<input checked="" type="checkbox"/> PLM-NOB	<input checked="" type="checkbox"/>								
Sampler's Name:		Lynette Vayo		Date:		5/11/16						
Sampler's Signature:		Lynette Vayo		Date:		5/11/16						
Samples Relinquished By:		Lynette Vayo		Date:		5/11/16						
Name:		Lynette Vayo		Date:		5/11/16						
Signature:		Lynette Vayo		Date:		5/11/16						
Name:		Carmen H...		Date:		5/11/16						
Signature:		Carmen H...		Date:		5/11/16						

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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



ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

17327

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

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (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
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winton 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.	Project Name		Date Collected		Laboratory Instructions		Report Distribution	
PT5218	NYSIF Building 109 Church Street NEW YORK, NY		5/11/16 Page 2 of 2		Turn-Around-Time: <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day		Send Reports To (ATL Office): Poughkeepsie ATL Contact: Dan Faulkner	
Project Contact:	Project Location:		Special Instructions:		Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB, analyze by TEM-NOB <input type="checkbox"/> Other		Send Copy To: Email Results: amensia@atlantictesting.com	
Field Sample No.	Sample Location		Sample Description		Analysis Requested		Laboratory Sample ID No.	
PT5218AI01B	Lower Roof - West Side		Black metal Edge Sealant		PLM-NOB			
PT5218AI02B	NE Office, 15th Floor		Gray Window Sill and perimeter Caulk		PLM-NOB			
PT5218AI03B	NE Office, 15th Floor		Gray Window Sill and perimeter Caulk		PLM-NOB			
PT5218AI04B	West Exterior Near Main Entrance		Black Granite Panel Caulk		PLM-NOB			
PT5218AI05B	West Exterior Near Main Entrance		Black Granite Panel Caulk		PLM-NOB			
PT5218AI06B	West Exterior Near Main Entrance		Gray Window Caulk		PLM-NOB			
PT5218AI07B	West Exterior Near Main Entrance		Gray Window Caulk		PLM-NOB			
[Large handwritten signature across the middle of the form]								
Sampler's Name:	LYNETHE VAYO		Date:	5/11/16	Received at Laboratory (Name):		Date:	
Sampler's Signature:	[Signature]		Time:	1300	Laboratory Signature:		Time:	
Samples Relinquished By:								
Name:	LYNETHE VAYO		Date:	5/11/16	Name:		Date:	
Signature:	[Signature]		Time:	1530	Signature:		Time:	
Name:	CARMON HARRIS		Date:	5/11/16	Name:		Date:	
Signature:	[Signature]		Time:	1730	Signature:		Time:	
Field and Laboratory Remarks:								

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

Pace Analytical e-Report**Report prepared for:**

ATLANTIC TESTING LABORATORIES, LTD
22 CORPORATE DR
CLIFTON PARK, NY 12065
CONTACT: DAN FAULKNHAM

Project ID: NYSIF BUILDING - 199 CHURCH ST PT5278

Sampling Date(s): May 11, 2016

Lab Report ID: 16050270

Client Service Contact: Chelsea Farmer (518) 346-4592 ext. 3843

Analysis Included:

PCB Analysis

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.



Roy Smith
Technical Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337),
Massachusetts (M-NY906), Virginia (460241)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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CASE NARRATIVE

May 26, 2016

CASE NARRATIVE

This data package (SDG ID: 16050270) consists of 6 caulk samples received on 05/12/2016. The samples are from Project Name: NYSIF BUILDING - 199 CHURCH ST PT5278.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AT11123	PT5278PI01	05/11/2016 11:43
AT11124	PT5278PI02	05/11/2016 11:48
AT11125	PT5278PI03	05/11/2016 12:00
AT11126	PT5278PI04	05/11/2016 12:43
AT11127	PT5278PI05	05/11/2016 12:53
AT11128	PT5278PI06	05/11/2016 12:58

Sample Delivery and Receipt Conditions

- (1.) All samples were delivered to the laboratory via DROP OFF delivery service on 05/12/2016.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by method SW-846 8082A. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

- (1.) The concentration results for Aroclor 1242 were flagged (AD) to denote that an altered Aroclor pattern was observed. Please see Form for details.
- (2.) The concentration results for Aroclor 1254 were flagged (AF) to denote that an altered Aroclor pattern was observed. Please see Form for details.
- (3.) The concentration results for Aroclor 1260 were flagged (AG) to denote that an altered Aroclor pattern was observed. Please see Form for details.
- (4.) The surrogates DCBP and TCMX were diluted out for (LAB ID: AT11128) due to the high concentration of PCB in the samples. Please see associated Form for details.

Respectfully submitted,



Chelsea L. Farmer
Project Manager

QUALIFIERS

Definitions

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted outside the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be reanalyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

MDL – Adjusted Method Detection Limit.

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

PQL – Practical Quantitation Limit. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

3



ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record

7037

<u>Albany</u>	22 Corporate Drive Clifton Park, NY 12065	518/283-9144 (T) 518/383-9166 (F)
<u>Binghamton</u>	126 Park Avenue Binghamton, NY 13903	607/773-1812 (T) 607/773-1835 (F)
<u>Canton</u>	6431 U.S. Highway 11 Canton, NY 13617	315/284-4578 (T) 315/284-1012 (F)
<u>Elmira</u>	2230 Route 352 Corning, NY 14903	607/737-0700 (T) 607/737-0714 (F)
<u>Plattsburgh</u>	130 Arizona Ave Plattsburgh, NY 12903	518/563-5878 (T) 518/562-1321 (F)
<u>Poughkeepsie</u>	251 Upper North Road Highland, NY 12528	845/691-6098 (T) 845/691-6099 (F)
<u>Rochester</u>	3445 Winton Road Rochester, NY 14623	585/427-9020 (T) 585/427-9021 (F)
<u>Syracuse</u>	6083 Court Street Road Syracuse, NY 13206	315/699-5281 (T) 315/699-3374 (F)
<u>Utica</u>	301 St. Anthony Street Utica, NY 13501	315/735-3309 (T) 315/735-0742 (F)
<u>Watertown</u>	26581 NYS Route 283 Watertown, NY 13601	315/786-7887 (T) 315/786-2022 (F)

Project No.		Client Name		QA/QC Code		Parameters		Report Distribution			
Project Name		Sample Location		Sample Type		No. of Containers		Field Notes			
PT5218	NYSIF Building 199 Church Street New York, NY	Dan Faulkham		New York, NY		1		2-Week TAT Faulkham@ out anticipations.com			
Page 1 of 1	Project Contact:		Project Location		Sample Type		No. of Containers		Fax Results:		
Project Name:		Sample Location		Sample Type		No. of Containers		Lab Results:		Lab Notes	
Date	Time	Sample Location		Sample Type		No. of Containers		Lab Results:		Lab Notes	
5/11/16	1143	Upper Roof, West Parapet Wall		G/C		1		AT11123		White Flashing Termination Caulk	
5/11/16	1148	Upper Roof, West Parapet		G/C		1		AT11124		Gray Parapet Metal Seam Caulk	
5/11/16	1200	Upper Roof, South Stairwell Door		G/C		1		AT11125		Tan Door Caulk	
5/11/16	1243	NE Office, 15th Floor		G/C		1		AT11126		Gray Window Sill and Penetration	
5/11/16	1253	West Exterior near Entrance		G/C		1		AT11127		Black Sealant Caulk	
5/11/16	1258	West Exterior near Main Entrance		G/C		1		AT11128		Gray Window Caulk	
Samplers Name:		Lynette Vayo		Date:		5/11/16		Received for Name:		Date:	
Samplers Signature:		Lynette Vayo		Time:		1300		Laboratory Signature:		Time:	
Samples Relinquished By:		Lynette Vayo		Date:		5/11/16		Samples Received By:		Date:	
Signature:		Lynette Vayo		Time:		1530		Signature:		Time:	
Name:		Lynette Vayo		Date:		5/11/16		Name:		Date:	
Signature:		Lynette Vayo		Time:		1530		Signature:		Time:	
Name:		Lynette Vayo		Date:		5/11/16		Name:		Date:	
Signature:		Lynette Vayo		Time:		1530		Signature:		Time:	

$$CK = Cavuk$$

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files
Pace Analytical Services, Inc.

16



Sample Condition Upon Receipt

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐
TRACKING # N/A
PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒
THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #122087967 ☐
BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☒ N/A ☒
CLIENT NAME: ATL
PROJECT: PT5278
INTACT: Yes ☐ No ☐ N/A ☒
ICE USED: Wet ☒ Blue ☐ None ☐
COOLER TEMPERATURE (°C): 2.4
Temp should be above freezing to 6°C

COMMENTS:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name / Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.
- Includes date/time/ID/Analysis		
All containers needing preservation have been checked:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
All containers needing preservation are in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
- Exceptions that are not checked: TOC, VOA, Subcontract Analyses		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pace Trip Blank Lot #:	<u>N/A</u>	

Initial when completed: N/A Lot # of added preservative: N/A
Line-Out (Includes Copying Shipping Documents and verifying sample pH): AR 5/12/16
Log In (Includes notifying PM of any discrepancies and documenting in LIMS): AR 5/12/16
Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): AR 5/12/16

SAMPLE RECEIPT

4



SAMPLE RECEIPT REPORT

16050270

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: ATLANTIC TESTING LABORATORIES, LTD
PROJECT: NYSIF BUILDING - 199 CHURCH ST PT5278
LRF: 16050270
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: 2 WEEK

RECEIVED DATE: 05/12/2016 12:30
SHIPPED VIA: DROP OFF ¹SAMPLES PRESERVED PER METHOD GUIDANCE: YES
SHIPPING ID: B. BABCOCK/ATL ³ SAMPLES REC'D IN HOLDTIME: YES
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): ⁵2.4 (IR) °C
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:

CLIENT ID (LAB ID)	TAT-DUE Date ⁴	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
PT5278P001 (AT11123)	2 WEEK 05-26-16	05/11/2016 11:43	Caulk	EPA 8082A	PCB Analysis	
PT5278P002 (AT11124)	2 WEEK 05-26-16	05/11/2016 11:48	Caulk	EPA 8082A	PCB Analysis	
PT5278P003 (AT11125)	2 WEEK 05-26-16	05/11/2016 12:00	Caulk	EPA 8082A	PCB Analysis	
PT5278P004 (AT11126)	2 WEEK 05-26-16	05/11/2016 12:43	Caulk	EPA 8082A	PCB Analysis	
PT5278P005 (AT11127)	2 WEEK 05-26-16	05/11/2016 12:53	Caulk	EPA 8082A	PCB Analysis	
PT5278P006 (AT11128)	2 WEEK 05-26-16	05/11/2016 12:58	Caulk	EPA 8082A	PCB Analysis	

¹The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are performed as soon as possible after sample receipt and may not be included in this report.

²The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.

³Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.

⁴Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.

The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.

⁵All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice. Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.

⁶Samples requesting analysis for Orthophosphate (SM 4500-P E-99,-11) require the samples to be filtered in the field within 15 minutes of the sampling event. Samples that are received unfiltered will be noted as not method compliant on the Certificates of Analysis.

Reporting Parameters and Lists

EPA 8082A - PCB Analysis - (ug/g)

Aroclor 1016
Aroclor 1221
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
Total PCB Amount > RL

GC - PCB





Analytical Sample Results

Job Number: 16050270

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI01
Lab Sample ID: 16050270-01 (AT11123)

Collection Date: 05/11/2016 11:43
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-23	SW-846 8082A (PCB)	05/18/2016 15:04	MCA	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:00	JM	1.14 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1221	11104-28-2	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1232	11141-16-5	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1242	53469-21-9	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1248	12672-29-6	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1254	11097-69-1	0.577	0.439	1.00	AF	GC10F-1721-23
Aroclor 1260	11096-82-5	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1262	37324-23-5	ND	0.439	1.00	U	GC10F-1721-23
Aroclor 1268	11100-14-4	ND	0.439	1.00	U	GC10F-1721-23
Total PCB Amount > RL	1336-36-3	0.577		1.00		GC10F-1721-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	104	38.9-143		GC10F-1721-23
Decachlorobiphenyl	2051-24-3	111	30.0-155		GC10F-1721-23

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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Analytical Sample Results

Job Number: 16050270

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI02
Lab Sample ID: 16050270-02 (AT11124)

Collection Date: 05/11/2016 11:48
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-24	SW-846 8082A (PCB)	05/18/2016 15:16	MCA	NA	NA	Phenomenex, Zebros ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:02	JM	1.03 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1221	11104-28-2	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1232	11141-16-5	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1242	53469-21-9	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1248	12672-29-6	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1254	11097-69-1	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1260	11096-82-5	0.498	0.485	1.00	AG	GC10F-1721-24
Aroclor 1262	37324-23-5	ND	0.485	1.00	U	GC10F-1721-24
Aroclor 1268	11100-14-4	ND	0.485	1.00	U	GC10F-1721-24
Total PCB Amount > RL	1336-36-3	0.498		1.00		GC10F-1721-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	90.2	38.9-143		GC10F-1721-24
Decachlorobiphenyl	2051-24-3	98.6	30.0-155		GC10F-1721-24

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.



Analytical Sample Results

Job Number: 16050270

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Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI03
Lab Sample ID: 16050270-03 (AT11125)

Collection Date: 05/11/2016 12:00
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-25	SW-846 8082A (PCB)	05/18/2016 15:29	MCA	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:04	JM	1.09 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1221	11104-28-2	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1232	11141-16-5	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1242	53469-21-9	4.39	0.457	1.00	AD	GC10F-1721-25
Aroclor 1248	12672-29-6	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1254	11097-69-1	8.55	0.457	1.00	AF	GC10F-1721-25
Aroclor 1260	11096-82-5	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1262	37324-23-5	ND	0.457	1.00	U	GC10F-1721-25
Aroclor 1268	11100-14-4	ND	0.457	1.00	U	GC10F-1721-25
Total PCB Amount > RL	1336-36-3	12.94		1.00		GC10F-1721-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	92.1	38.9-143		GC10F-1721-25
Decachlorobiphenyl	2051-24-3	92.9	30.0-155		GC10F-1721-25

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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Analytical Sample Results

Job Number: 16050270

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Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI04
Lab Sample ID: 16050270-04 (AT11126)

Collection Date: 05/11/2016 12:43
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-26	SW-846 8082A (PCB)	05/18/2016 15:41	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:06	JM	1.06 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1221	11104-28-2	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1232	11141-16-5	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1242	53469-21-9	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1248	12672-29-6	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1254	11097-69-1	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1260	11096-82-5	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1262	37324-23-5	ND	0.472	1.00	U	GC10F-1721-26
Aroclor 1268	11100-14-4	ND	0.472	1.00	U	GC10F-1721-26
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC10F-1721-26

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	95.3	38.9-143		GC10F-1721-26
Decachlorobiphenyl	2051-24-3	95.5	30.0-155		GC10F-1721-26

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16050270

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Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI05
Lab Sample ID: 16050270-05 (AT11127)

Collection Date: 05/11/2016 12:53
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-27	SW-846 8082A (PCB)	05/18/2016 15:54	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:09	JM	1.09 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1221	11104-28-2	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1232	11141-16-5	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1242	53469-21-9	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1248	12672-29-6	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1254	11097-69-1	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1260	11096-82-5	5.36	0.458	1.00	AG	GC10F-1721-27
Aroclor 1262	37324-23-5	ND	0.458	1.00	U	GC10F-1721-27
Aroclor 1268	11100-14-4	ND	0.458	1.00	U	GC10F-1721-27
Total PCB Amount > RL	1336-36-3	5.36		1.00		GC10F-1721-27

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	94.4	38.9-143		GC10F-1721-27
Decachlorobiphenyl	2051-24-3	97.1	30.0-155		GC10F-1721-27

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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Analytical Sample Results

Job Number: 16050270

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Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: PT5278PI06
Lab Sample ID: 16050270-06 (AT11128)

Collection Date: 05/11/2016 12:58
Sample Matrix: CAULK
Received Date: 05/12/2016 12:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-28	SW-846 8082A (PCB)	05/18/2016 16:07	MCA	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 13:10	JM	1.03 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1221	11104-28-2	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1232	11141-16-5	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1242	53469-21-9	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1248	12672-29-6	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1254	11097-69-1	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1260	11096-82-5	73.1	4.87	10.0	AG	GC10F-1721-28
Aroclor 1262	37324-23-5	ND	4.87	10.0	U	GC10F-1721-28
Aroclor 1268	11100-14-4	ND	4.87	10.0	U	GC10F-1721-28
Total PCB Amount > RL	1336-36-3	73.1		10.0		GC10F-1721-28

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	93.4	38.9-143	D	GC10F-1721-28
Decachlorobiphenyl	2051-24-3	1.58	30.0-155	D	GC10F-1721-28

¹Qualifier column where "D" denotes value outside the control limits or "D" denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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Quality Control Samples (Lab)



Quality Control Results
Method Blank
Job Number: 16050270

Pace Analytical Services, Inc.
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 Phone: 518.346.4592
 Fax: 518.381.6055

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: Method Blank (AT10583B)
Lab Sample ID: PBLK-06

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-3	SW-846 8082A (PCB)	05/18/2016 10:52	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 12:15	JM	10.2 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1262	37324-23-5	ND	0.0500	1.00	U	GC10F-1721-3
Aroclor 1268	11100-14-4	ND	0.0500	1.00	U	GC10F-1721-3
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC10F-1721-3

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	85.6	38.9-143		GC10F-1721-3
Decachlorobiphenyl	2051-24-3	96.8	30.0-155		GC10F-1721-3

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Quality Control Results
Lab Control Sample (LCS)
Job Number: 16050270

Pace Analytical Services, Inc.
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 Schenectady, NY 12308
 Phone: 518.346.4592
 Fax: 518.381.6055

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: NYSIF BUILDING - 199 CHURCH ST PT5278
Client Sample ID: Lab Control Sample (AT10583L)
Lab Sample ID: LCS-06

Collection Date: N/A
Sample Matrix: SOLID
Received Date: N/A
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC10F-1721-4	SW-846 8082A (PCB)	05/18/2016 11:05	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33910	EPA 3540C	05/16/2016 12:16	JM	10.1 g	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q ¹	Limits (%)
Aroclor 1254	11097-69-1	1.24	1.18	95.3		70.0-130

¹Qualifier column where 'Q' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	90.5	38.9-143		GC10F-1721-4
Decachlorobiphenyl	2051-24-3	95.6	30.0-155		GC10F-1721-4

¹Qualifier column where 'Q' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

APPENDIX D
SUMMARY TABLES

KEY FOR ACM AND PCB-CONTAINING CAULK SUMMARY TABLES

Acronyms for the Known or Assumed ACM:

CFT = Ceramic Floor Tile

CWT = Ceramic Wall Tile

EPDM = Ethylene Propylene Diene Monomer

HVAC = Heating, Ventilation, and Air Conditioning

TSI = Thermal System Insulation

Abbreviations for Friable/ACM Type:

Y = Yes

N = No

M = Miscellaneous

S = Surfacing

T = Thermal System Insulation

Descriptions for Conditions:

The listed conditions of Good, Fair, and Poor generally correspond with the AHERA descriptions of Good, Damaged, and Significantly Damaged for different types of materials. The following summarizes additional details relative to the listed conditions.

Surfacing (Surf.) and Miscellaneous (Misc.) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with characteristics of surface crumbling, blistered, water-stained, gouged, marred, or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
 - Surface crumbling or blistering is present over at least one tenth of the surface, if the damage is evenly distributed or one quarter if the damage is localized.
 - One tenth (or one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
 - Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.

Thermal System Insulation (TSI) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with one or more of the following characteristics:
 - A few water stains or less than one tenth of insulation with missing jackets.
 - Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed or up to one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
 - Missing jackets on at least one tenth of the piping or equipment.
 - Crushed or heavily gouged or punctured insulation on at least one tenth of the component (pipe runs/risers, boiler, tank, duct, etc.) if the damage is evenly distributed or one quarter if the damage is localized.

Notes:

¹ Sample Location Plan is enclosed in Appendix B.

^{2a} NAD = No Asbestos Detected/ ^{2b} ND = Not detected above the laboratory method detection limit.

³ Quantities and locations are approximate and must be verified by asbestos abatement contractors prior to providing actual cost quotations and/or initiating abatement activities.

⁴ NA = Not Applicable

⁵ Materials are assumed asbestos-containing materials (ACM) based on inaccessibility.

Table I
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White Flashing Termination Caulk	Upper Roof (Parapet Wall)	N/M	NAD	Fair	PT5278AI01A PT5278AI01B	NA
Black Metal Transition Patch Sealant	Upper Roof (Parapet Wall)	N/M	2.5	Fair	PT5278AI02A PT5278AI02B	8 Square Feet
Gray Seam Caulk Associated with Metal Covers	Upper Roof (Parapet Wall)	N/M	NAD	Fair	PT5278AI03A PT5278AI03B	NA
Black Coating Associated with Concrete Column and Parapet Wall	Upper Roof	N/M	7.5	Fair	PT5278AI04A PT5278AI04B	120 Square Feet
Black Edge Adhesive Associated With Concrete Column and Parapet Wall	Upper Roof	N/M	9.2	Fair	PT5278AI05A PT5278AI05B	120 Square Feet
Tan Caulk	Northwest and Southwest Exterior Doors on Penthouse Level	N/M	2.6	Poor	PT5278AI06A PT5278AI06B	5 Square Feet
Black Sealant Associated with EPDM Roof	Lower Roof	N/M	Trace	Fair	PT5278AI07A PT5278AI07B	NA

Table I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable/ ACM Type	% Asbestos^{2A}	Condition	Sample Numbers	Estimated Quantity^{3, 4}
Gray Window Sill/ Perimeter Caulk	2 nd Through 15 th Floors (Windows)	N/M	NAD	Fair	PT5278AI08A PT5278AI08B	NA
Black Seam Caulk Associated with Granite Panels and Soffit	1 st Floor Exterior Walls of Building	N/M	NAD	Fair	PT5278AI09A PT5278AI09B	NA
Gray Window Caulk Associated with Metal Window Frames	1 st Floor Store Front Window Wall on Exterior of Building	N/M	NAD	Fair	PT5278AI10A PT5278AI10B	NA
Gray Caulk	Perimeter of Air Intake Between 2 nd and 3 rd Floors on East Wall of Building	N/M	Assumed ⁵	Fair	PT5278AI11	5 Square Feet
Black Flashing Caulk/Tar	Overhang Roof Flashing	N/M	Assumed ⁵	Fair	PT5278AI12	30 Square Feet

Table II
Summary of Suspect PCB-Containing Caulk and Analytical Results

Material Description/ Color	General Location ¹	Sample Number	Total PCB ^{2B} (ppm)
White Flashing Termination Caulk	Upper Roof (Parapet Wall)	PT5278PI01	0.577
Gray Seam Caulk Associated with Metal Covers	Upper Roof (Parapet Wall)	PT5278PI02	0.498
Tan Caulk	Northwest and Southwest Exterior Doors on Penthouse Level	PT5278PI03	12.94
Gray Window Sill/ Perimeter Caulk	2 nd Through 15 th Floors (Windows)	PT5278PI04	ND
Black Seam Caulk Associated with Granite Panels and Soffit	1 st Floor Exterior Walls of Building	PT5278PI05	5.36
Gray Window Caulk Associated with Metal Window Frames	1st Floor Store Front Window Wall	PT5278PI06	73.1

APPENDIX E

SUMMARY OF XRF RESULTS AND CALIBRATION CHECKS

Table E-I
Summary of XRF Test Results - No Lead Detected

Reading No	Time	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Result (mg/cm ²)
PT5278LX03	5/11/2016 11:52	Column	Metal	A	Cracked	Black	PT5278	Exterior	Super St	< LOD
PT5278LX04	5/11/2016 11:54	I-Beam	Metal	Center	Cracked	Black	PT5278	Exterior	Super St	< LOD
PT5278LX05	5/11/2016 11:55	10 in Pipe	Metal	Center	Cracked	Gray	PT5278	Exterior	Super St	< LOD
PT5278LX06	5/11/2016 11:58	Parapet Cap	Metal	A	Cracked	Black	PT5278	Exterior	Super St	< LOD
PT5278LX07	5/11/2016 12:00	Cooling Tower Frame	Metal	Center	Cracked	Black	PT5278	Exterior	Super St	< LOD

Table E-II
Summary of XRF Calibration Results

Reading No	Time	Component	Substrate	Side	Condition	Color	Inspector	Site	Floor	Room	Result (mg/cm ²)
PT5278LX01	5/11/2016 11:50			Calibrate				PT5278			1
PT5278LX02	5/11/2016 11:51			Calibrate				PT5278			1
PT5278LX08	5/11/2016 13:15			Calibrate				PT5278			1.1
PT5278LX09	5/11/2016 13:16			Calibrate				PT5278			1



SCHEDULE OF SUBMITTALS	
PROJECT NO.: 45143	
FACILITY: STATE INSURANCE FUND HEADQUARTERS	
CONTRACTOR:	
PROJECT MANAGER:	
DESIGN CONSULTANT: MURRAY ENGINEERING, PC	
ENGINEER-IN-CHARGE:	
<p align="center">LEGEND</p> <p>PACK: SUBMITTAL PACKAGE</p> <p>SD: SHOP DRAWINGS</p> <p>PD: PRODUCT DATA</p> <p>SAM: SAMPLES</p> <p>QCS: QUALITY CONTROL SUBMITTALS</p> <p>LEED: LEED SUBMITTALS</p> <p>CCS: CONTRACT CLOSEOUT SUBMITTALS</p> <p><u>SUBMITTAL REVIEW RESPONSIBILITY:</u> F: OGS FIELD OFFICE F/O: OGS FIELD OFFICE / OFFICE (ALBANY) D: CONSULTANT / DESIGNER S: OGS SCHEDULING DEPARTMENT</p>	<p align="center"><u>INSTRUCTIONS TO THE CONTRACTOR</u></p> <p>1. Refer to Section 013300 Submittals of the Project Manual for general requirements regarding submittals and to Section 017716 - CONTRACT CLOSEOUT for project closeout submittals.</p> <p>2. Refer to Sections of the specifications indicated herein for details of the requirements for each submittal listed.</p> <p>3. Indicate in the rows (spaces) following each item:</p> <p style="padding-left: 20px;">a. Critical submittals and long lead items (mark with an 'X'). Some critical submittals may already be identified by the design team. Confirm that these are critical submittals.</p> <p style="padding-left: 20px;">b. The date the item will be submitted, and date approval is required (allow at least 3 weeks), and the date delivery of the material or equipment is necessary for completion of the work in accordance with the Progress Schedule. The date entered for the submittal is the last date a substitution will be considered. Proposed substitutions must be made prior to the date entered if more than one substitution is to be submitted for approval. Spaces which contain N/A do not require dates.</p> <p>4. An example of a Submittal Transmittal (BDC-42) can be located at: http://www.ogs.ny.gov/BU/DC/forms/ContractorConstForms.asp</p> <p>5. Submit Contract Closeout Submittals (CCS) prior to final inspection.</p> <p align="center"><u>INSTRUCTIONS TO THE CONSULTANT / DESIGNER</u></p> <p>1. Cut and paste required information from each Division (Div.X) tab and place in the S.O.S. tab.</p> <p>2. Delete Division (Div.X) tabs after the S.O.S. tab has been in-filled.</p> <p>3. Indicate F, F/O or D in column E. Items in Div.1 have defaults that can be modified as necessary.</p> <p>4. Indicate items that are critical submittals in column F.</p> <p><u>Note:</u> The following list of submittals is furnished for your convenience in scheduling submittals. The list is not warranted to be complete and does not take precedence over the contract documents. Enter additional submittals, as required and modify this schedule to the specific project. This S.O.S. will be used to populate the submittals website log.</p>



SCHEDULE OF SUBMITTALS

PROJECT NO.:

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
011000			Contractor's List of Subcontractors-Suppliers	F/O				
011000			Preliminary Project Schedule	F/O, S				
011100		QCS	Site Specific Safety Plan	F/O				
011100		QCS	Employee Safety Orientation Training and Certificates	F/O				
011100		QCS	Emergency Action and Evacuation Plan	F/O				
013113		QCS	CMU-01 Agreement Form	S	X			
013300		PD	Schedule of Submittals (This form completed and edited)	F	X			
013300		QCS	Proof of Payment	F	X			
013300		QCS	Submittal Coordinator Qualifications	F/O	X			
013300		PD	Schedule of Submittals Acknowledgement	F	X			
028213		PD	Disposal Bags	F, D	X			
028213		PD	Fireproofing	F, D	X			
028213		PD	Glove Bags	F, D	X			
028213		PD	Negative Air Pressure Units	F, D	X			
028213		PD	HEPA Filters (Negative Air Pressure Units)	F, D	X			
028213		PD	HEPA Filters (Respirators)	F, D	X			
028213		PD	HEPA Filters (Vacuum Cleaners)	F, D	X			
028213		PD	Respirators	F, D	X			
028213		PD	Plastic Sheets	F, D	X			
028213		PD	Vacuum Cleaners	F, D	X			

SCHEDULE OF SUBMITTALS

PROJECT NO.:

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
028213		QCS	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms	F, D	X			
028213		QCS	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.	F, D	X			
028213		QCS	Notification Compliance Data	F, D	X			
028213		QCS	Work Plan	F, D	X			
028213		QCS	Abatement Contractor's Qualifications Data	F, D	X			
028213		QCS	Abatement Worker's Qualifications Data	F, D	X			
028213		QCS	Waste Transporter Permit	F, D	X			
028213		QCS	Landfill Permit	F, D	X			
028213		QCS	Waste Shipment Records and Disposal Site Receipts	F, D				
028213		QCS	Daily Log	F, D				
028213		QCS	Air Monitoring Data	F, D				
028433		PD	Disposal Drums	F, D				
028433		PD	Respirators	F, D				
028433		PD	Vacuum Cleaners	F, D				
028433		PD	Plastic Sheets	F, D				
028433		QCS	Work Plan	F, D				
028433		QCS	Waste Transporter Permit	F, D				
028433		CCS	Disposal Site Receipts	F				
032100		SAM	Fabric Reinforcement	F, D				
033000		PD	Mix Design	F, D				
033000		PD	Portland Cement	F, D				
033000		PD	Fly Ash	F, D				

SCHEDULE OF SUBMITTALS

PROJECT NO.:

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
033000		PD	High Range Water-reducing Admixture (Superplasticizer)	F, D				
033000		PD	Corrosion Inhibitor Admixture	F, D				
033000		PD	Aggregates	F, D				
033000		PD	Chemical Curing and Anti-Spalling Compound	F, D				
033000		PD	Bonding Agent (Adhesive)	F, D				
033000		PD	Integral Water-Repellent Admixture	F, D				
033000		QCS	Batching Plant Records	F, D				
033000		QCS	Concrete Pumping Equipment Data	F, D				
040121		SAM	Masonry Units	F, D	X			
040513		PD	Portland Cement	F, D				
040513		PD	Masonry Cement	F, D				
040513		PD	Lime	F, D				
040513		PD	Sand(s)	F, D				
040513		PD	Color Pigments	F, D				
040513		PD	Custom Mortar Supplier Brand and Manufacturer's Name	F, D				
040513		SAM	Mortar for Exposed Joints and Cracks	F, D	X			
051200		SD	Initial Submission: Drawings of proposed job standards for shop and field connections, including standard and special connections, complying with the requirements	F, D				
051200		SD	Initial Submission: Erection drawings indicating sizes, weights, and locations of all structural members.	F, D				
051200		SD	Subsequent Submission: Index sheets and revised erection drawings to which erection marks have been added	F, D				
051200		SD	Subsequent Submission: Detail drawings of all structural members	F, D				

SCHEDULE OF SUBMITTALS

PROJECT NO.:

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
051200		PD	Shop paint	F, D				
051200		QCS	Test Reports: Steel manufacturer's mill test reports	F, D				
051200		QCS	Certificates: Submit evidence, in triplicate, of steel material compliance with this Specification.	F, D				
051200		QCS	Fabricator's and Erector's Qualifications Data	F, D				
051200		QCS	Welder's Certification	F, D				
055000		SD	Application to Project: Locate anchor bolts required for installation in other Work	F, D				
055000		SD	Application to Project: Indicate shop and field welds by standard AWS welding symbols in accordance with AWS A2.4.	F, D				
055000		QCS	Certificates: Submit evidence of steel material compliance with this specification.	F, D				
071400		PD	Cold Fluid Applied Waterproofing Liquid	F, D				
071400		PD	Cast Stone Joint Repair and Patching Material	F, D				
071400		PD	Bonding Primer	F, D				
071400		PD	Membrane Reinforcing	F, D				
071400		QCS	Certification Letter material meets requirements listed in specifications	F, D				
071400		QCS	Certification - Installers Qualifications Data	F, D				
079200		PD	Type 1 Sealant	F, D				
079200		PD	Sealant Colors	F, D				
079200		SAM	Sealant	F, D				
079200		SAM	Joint Fillers	F, D				
079200		SAM	Backer Rods	F, D				
079200		SAM	Bond Breaker Tape	F, D				
079200		QCS	Installer's Qualifications Data	F, D				

SCHEDULE OF SUBMITTALS

PROJECT NO.:

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
079200		QCS	Company Field Advisor Data	F, D				
099101		PD	Painting Schedule - Exterior Substrates	F, D				
099101		PD	Painting Schedule - Interior Substrates	F, D				
099101		PD	Product Data Sheets: Manufacturer's published product data sheets	F, D				
099101		SAM	Finish Paint Samples: Two finish paint samples applied over recommended primers for each substrate to be painted.	F, D				
099101		QCS	Test Reports	F, D				
099101		QCS	Certificates of Quality Assurance Article	F, D				
099101		PD	Existing Exterior Paint Film Stripping and Removal Submittals	F, D				

PROJECT LABOR AGREEMENT LIST OF SUBCONTRACTORS

Contract No.: _____

NOTE: This form is required for "Single-Contract" projects with a Project Labor Agreement (PLA). Failure to submit this form correctly will result in disqualification of the bid.

Contractor's Name and Address:	Project Description (<i>Project Title, Facility Name and Address</i>):	Bid Date:	Total Contract Amt.:
Federal ID No.			

Indicate ANY work to be **self-performed** by the contractor in the following categories (check all that apply):

☐ Plumbing and Gas Fitting
☐ Steam Heating, Hot Water Heating, Ventilating and AC Apparatus
☐ Electric Wiring and Standard Illuminating Fixtures

If ALL contract work is to be self-performed, i.e., **no subcontractors** will be used, please check this box ☐, skip to the bottom of this form, and sign it as required.

Subcontractor's Name, Address and Federal ID No.	Check (✓) only one.			General Description of Work	Subcontractor's Contract Amt.
	Plumbing and Gas Fitting	Steam Heating, Hot Water Heating, Ventilating and AC Apparatus	Electric Wiring and Standard Illuminating Fixture		
Federal ID No.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Federal ID No.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Federal ID No.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

This form must be filled out completely and legibly, signed by a company authorized representative and included in **a separate, sealed envelope** within the bid envelope. Use Page 2 if needed.
Failure to complete this form accurately and in its entirety, in accordance with Document 002221, will result in disqualification of the bid.

Company Authorized Signature: _____ Title: _____ Date: _____

PROJECT LABOR AGREEMENT LIST OF SUBCONTRACTORS

Contract No.: _____

[illegible]