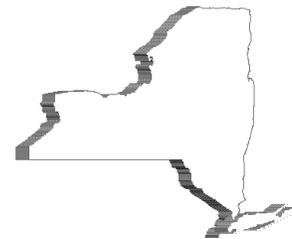




STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 1 TO PROJECT NO. 44766

**CONSTRUCTION WORK
REPLACE ROOFS, BUILDINGS 80, 81, 82 & 90
INDUSTRY SECURE CENTER
101 RYDER HILL ROAD
RUSH, NY 14543**

February 21, 2014

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual.
Acknowledge receipt of this Addendum in the space provided on the Bid Form.

BIDDING REQUIREMENTS

1. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: The last date for receipt of bids is changed from Wednesday, February 26, 2014, to Wednesday, March 5, 2014.
2. DOCUMENT 003126 EXISTING HAZARDOUS MATERIAL INFORMATION: Add the accompanying document (pages 003126 – 1 thru 003126 8–) to the Project Manual.

SPECIFICATIONS

3. Section 073113, Asphalt Shingle Roofing
 - a. Paragraph 2.02 F & N, Buildings 80, 81 & 82:
 1. Perimeter Edge Metal:
Delete the following sub paragraph entirely:
 - a. Remove all Metal Perimeter Flashing from specifications.
 2. Pipe flashing Boot: Delete the following paragraph entirely:
 - a. Remove the molded one piece elastomeric pipe boot from contract.
Existing pipe is to be flashed with the Zinc Coated Copper material.
 3. Section 076000, Flashing and Trim:
 - a. Paragraph 2.01 I: Delete the following sub paragraph entirely.
 4. Section 076000, Fabrication:
 - a. Paragraph 2.04 E: Delete the following sub paragraph entirely.
Paragraph 2.04 H: Delete the following sub paragraph entirely
Remove all Eave and Rake Flashing, Prefinished Galvanized steel and Continuous Edge Strips from contract. The existing horizontal cover will remain as the drip edge at the perimeter of roofs.

CONSTRUCTION WORK DRAWING

4. Drawing A-101 & A-502:
 - a. At building 90, the existing roof pitch is 3 on 12.
 - b. At Building 90, at detail 7 Ridge Skylight Plan, change dimension that read 7'-0" +/- to 8'-0" +/-.

5. Drawing A-501:
 - a. At Building 80, 81 & 82, at the roof drip edge, Details 2 & 3, delete all Metal Perimeter Flashing from this contract. The existing horizontal cover at the perimeter of each roof is to remain as the roofs drip edge.

APPENDIX

6. Limited Hazardous Materials Survey: Add the accompanying document (pages 1 thru 70) to the Project Manual.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

DOCUMENT 003126

EXISTING HAZARDOUS MATERIAL INFORMATION

1.01 ASBESTOS SURVEY REPORT

Samples listed in the report were collected at the Project Site and tested for Asbestos Containing Materials (ACM). The report was compiled for New York State Office of General Services, Design and Construction Group by an ELAP certified laboratory. In order to determine the Asbestos content, samples were analyzed by polarized light microscopy (PLM) and/or transmission electron microscopy (TEM). The report is intended for the State design and estimate purposes only, and is included to provide bidders with that same information available to the State. The Bulk Samples are representative of Homogeneous Area (HA) and is defined as a suspect material of similar age, appearance, function and texture. All field information was organized in accordance with 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). See the Limited Hazardous Materials Survey report included in the Appendix for type, condition, location and approximate quantity of ACM.

1.02 LEAD SURVEY REPORT

Samples listed in the report were collected at the Project Site and tested for Lead content. The report was compiled for New York State Office of General Services, Design and Construction Group by an ELAP certified laboratory. In order to determine the lead content the Atomic Absorption method or a XRF Analyzer was used. This report is intended for State design and estimate purposes only, and is included to provide bidders with the same information available to the State. The samples are representative of like materials in the Work area. All lead containing materials may not have been sampled. See the Limited Hazardous Materials Survey report included in the Appendix for details.

1.03 PCB SAMPLING REPORT

Samples listed in the report were collected at the Project Site and tested for PCBs. The report was compiled for New York State Office of General Services, Design and Construction Group by an ELAP certified laboratory. Bulk, wipe or air sampling was used in determining the PCB content. This report is intended for State design and estimate purposes only, and is included to provide bidders with the same information available to the State. All PCB containing materials may not have been sampled. See the r Limited Hazardous Materials Survey report included in the Appendix for details.

END OF DOCUMENT



ATLANTIC TESTING LABORATORIES

Rochester
3495 Winton Place
Building B — Suite 4A
Rochester, NY 14623
585-427-9020 (T)
585-427-9021 (F)

February 20, 2014

State of New York – Executive Department
Office of General Services
Mayor Erastus Corning 2nd Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, New York 12242

Attn: Mr. Hugh Stevens

Re: Limited Hazardous Materials Survey
Replace Roofs, Buildings 80, 81, 82, & 90
Industry Secure Center
Rush, New York
Comptroller's Contract No. DOSA095
NYSOGS Project No. 44766
NYSOGS Work Order No. 49
ATL Report No. RT5178CE-01-02-14

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 Work Order No. 49 to Contract No. DOSA095, and authorized by James F. Dirolf on December 27, 2014.

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

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

R. Daniel Faulkham
Assistant Operations Manager

RDF/JDG/rdf

Enclosures

cc: Robert Guiton, NYSOGS – EIC

LIMITED HAZARDOUS MATERIALS SURVEY

**INDUSTRY SECURE CENTER
BUILDING NOS. 80, 81, 82, AND 90
RUSH, NEW YORK
NYSOGS PROJECT NO. 44766**



PREPARED FOR:

**State Office of New York – Executive Department
Office of General Services
Mayor Erastus Corning 2nd Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, NY 12242**

PREPARED BY:

**Atlantic Testing Laboratories, Limited
3495 Winton Place
Building B, Suite 4A
Rochester, New York 14623**

ATL REPORT NO. RT5178CE-01-02-14

February 20, 2014

TABLE OF CONTENTS

1.0 INTRODUCTION	1
1.1 Purpose.....	1
1.2 Project Team and Certifications	1
2.0 SCOPE OF WORK	1
2.1 Project Description.....	1
2.2 Inaccessible Areas.....	1
2.3 Document Review.....	2
2.4 Limitations.....	2
3.0 ASBESTOS	2
3.1 Methodology	2
3.2 Regulatory Compliance.....	2
3.3 Summary of Findings	3
4.0 LEAD-BASED PAINT.....	4
4.1 Methodology	4
4.2 Regulatory Compliance.....	5
4.3 Summary of Findings	5
5.0 POLYCHLORINATED BIPHENYLS	5
5.1 Methodology	5
5.2 Regulatory Compliance.....	6
5.3 Summary of Findings	6
6.0 CONCLUSIONS AND RECOMMENDATIONS	7
6.1 General	7
6.2 Asbestos-Containing Materials	7
6.3 Lead-Based Paint	7
6.4 PCB-Containing Materials.....	8
 <u>APPENDICES</u>	
Licenses and Certifications	A
Site Location Map	B
Sample Location Plans	C
Laboratory Reports and Custody Documentation	D
Summary of XRF Results and Calibration Checks	E

1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained by NYSOGS, to perform a limited hazardous materials survey of designated areas of Building Nos. 80, 81, 82, and 90. The limited survey was performed on February 12, 2014. 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, Senior Project Manager; R. Daniel Faulkham, Assistant Operations Manager; and Brian Coon, Environmental 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 101 Ryder Hill Road, Rush, Monroe County, New York. A Site Location Map, depicting the general location of the project site, is included in Appendix B.

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 subject site and may be impacted during a proposed roof replacement project.

The limited hazardous materials survey was conducted for the subject areas, as directed by Robert Guiton, representing NYSOGS. The subject areas were not 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. During the sampling event all the roofs were snow covered causing limited visibility of the entire roof field. 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 Work Order No. 49 to Contract No. DOSA095, 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 NYSOGS.

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 17 homogeneous areas of suspect ACM were identified during the visual examination, from which 34 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 C. A copy of laboratory reports and sample custody documentation are contained in Appendix D. Table I below provides a summary of the identified suspect ACM and associated analytical results.

Table I
Summary of Suspect ACM and Analytical Results

Material	General Location¹	Friable	% Asbestos²	Condition	Sample Numbers	Estimated Quantity^{3, 4}
White Interior Window Caulk	Building No. 82-Clerestory Windows	No	NAD	Fair	RT5178AI01A RT5178AI01B	NA
White Exterior Window Caulk	Building No. 82-Clerestory Windows	No	NAD	Fair	RT5178AI02A RT5178AI02B	NA
Black/Gray Asphalt Roof Shingles	Building No. 82- Roof	No	NAD	Fair	RT5178AI03A RT5178AI03B	NA
Black Vapor Barrier	Building No. 82- Roof	No	NAD	Fair	RT5178AI04A RT5178AI04B	NA
White Interior Window Caulk	Building No. 81-Clerestory Windows	No	NAD	Fair	RT5178AI05A RT5178AI05B	NA
Black/Gray Asphalt Roof Shingles	Building No. 81- Roof	No	NAD	Fair	RT5178AI06A RT5178AI06B	NA
Black Vapor Barrier	Building No. 81- Roof	No	NAD	Fair	RT5178AI07A RT5178AI07B	NA

Material	General Location ¹	Friable	% Asbestos ²	Condition	Sample Numbers	Estimated Quantity ^{3, 4}
White Exterior Window Caulk	Building No. 81-Clerestory Windows	No	NAD	Fair	RT5178AI08A RT5178AI08B	NA
Black/Gray Roof Penetration Caulk	Building No. 80- Roof	No	Trace	Fair	RT5178AI09A RT5178AI09B	NA
Black/Gray Asphalt Roof Shingles	Building No. 80- Roof	No	NAD	Fair	RT5178AI10A RT5178AI10B	NA
Black Vapor Barrier	Building No. 80- Roof	No	NAD	Fair	RT5178AI11A RT5178AI11B	NA
Black/Gray Roof Penetration Tar	Building No. 80, 81, and 82- Roof	No	10.6	Fair	RT5178AI12A RT5178AI12B	15 Square Feet
White Interior Window Caulk	Building No. 80-Clerestory Windows	No	NAD	Fair	RT5178AI13A RT5178AI13B	NA
Dark Gray Skylight Caulk	Building No. 90- Roof	No	NAD	Fair	RT5178AI14A RT5178AI14B	NA
Black Seam Sealant	Building No. 90- Roof	No	NAD	Fair	RT5178AI15A RT5178AI15B	NA
Black EPDM Roofing	Building No. 90- Roof	No	NAD	Fair	RT5178AI16A RT5178AI16B	NA
White Exterior Window Caulk	Building No. 80-Clerestory Windows	No	NAD	Fair	RT5178AI17A RT5178AI17B	NA

Notes:

¹ Sample Location Plans are enclosed in Appendix C.

² NAD = No Asbestos Detected

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

The EPA, NYSDOL, and other regulatory agencies define ACM as any material containing greater than 1% of asbestos. The material listed in bold font in Table I above was determined 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 above, 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 an Lead Risk Assessor 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 13 locations were tested using the XRF spectrometer. Approximate sample locations are depicted on the Sample Location Plan, contained in Appendix C. A summary of the XRF calibration checks are provided in Table E-III of Appendix E. The XRF results provided in Table E-I of Appendix E, represent painted surfaces that were determined to be LBP, per HUD criteria. Painted surfaces that did not contain lead at a concentration above the method detection limits are summarized in Table E-II 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/sealant. 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 Services, Inc., located in Schenectady, New York. The samples were laboratory analyzed for PCB, in accordance with EPA Method 8082. Pace Analytical Services, Inc. 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 8 homogeneous suspect PCB-containing caulk materials were identified during the visual examination, from which 8 bulk samples were collected, composited, and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix C. A copy of laboratory reports and associated sample custody documentation are contained in Appendix D. Table II below provides a summary of the identified suspect PCB-containing caulk and associated analytical results.

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

Material Description/ Color	General Location ¹	Sample Number	Total PCB² (ppm)
White Interior Window Caulk	Building No. 82-Clerestory Windows	RT5178PI01	ND
White Exterior Window Caulk	Building No. 82-Clerestory Windows	RT5178PI02	ND
White Interior Window Caulk	Building No. 81-Clerestory Windows	RT5178PI03	ND
White Exterior Window Caulk	Building No. 81-Clerestory Windows	RT5178PI04	ND
Black/Gray Roof Penetration Caulk	Building No. 80- Roof	RT5178PI05	ND
White Interior Window Caulk	Building No. 80-Clerestory Windows	RT5178PI06	ND
Dark Gray Skylight Caulk	Building No. 90- Roof	RT5178PI07	ND
White Exterior Window Caulk	Building No. 80-Clerestory Windows	RT5178PI08	ND
Notes:			
¹ Sample Location Plans are contained in Appendix C.			

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. None of the samples collected contained greater than 50 ppm total PCB.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are prepared from ATL’s understanding that the subject buildings may be subject to renovation projects. Should the management of the buildings 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 material listed in bold in Table I of Section 3.3 was determined to be ACM. The referenced table also shows a material that contains trace concentrations of asbestos and are 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. The materials listed in Table E-I of Appendix E were determined to be LBP per HUD criteria.
2. Identified LBP or paint with a detectable concentration of lead should be managed in accordance with applicable EPA and OSHA requirements prior to or during demolition, renovation, remodeling, or repair work.

3. 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. None of the caulk materials sampled contained PCB concentrations exceeding 50 ppm, and are therefore not considered hazardous materials/hazardous waste.

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 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: 10/30/2013

EXPIRATION DATE: 11/30/2014

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.

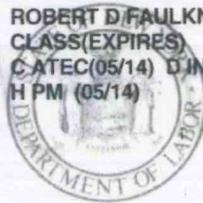


Eileen M. Franko, Acting Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ROBERT D. FAULKHAM
CLASS (EXPIRES)
C-ATEC(05/14) D-INSP(05/14)
H-PM (05/14)



CERT# 06-06127
DMV# 466160662

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. **660575**

I - To be completed by Trainee

Name of Trainee (print) <i>R Daniel Faulkham</i>	NYS Depart. of Motor Vehicles ID (DMV ID) ¹ <i>466 160 662</i>	
Signature of Trainee <i>R D Faulkham</i>	Telephone Number <i>315-408-2407</i>	Date of Birth ¹ <i>07/23/81</i>
Address <i>PO Box 423 Cape Vincent NY 13618</i>	(Street or PO Box)	(City) (State) (Zip Code)

II - To be completed by Training Sponsor

Provider's Name Cardno ATC	Telephone Number
Address 73 William Franks Drive West Springfield, MA 01089 (413) 781-0070	Course Location: Cardno ATC 10 Colvin Ave., Ste. 101 Albany, NY 12206 P. 518.438.0451
Zip Code	
Course Title: <i>Project Monitor</i> <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Refresher <input type="checkbox"/> NYS DOH use only DOH Equivalency ²	
Training Language: <input checked="" type="checkbox"/> English <input type="checkbox"/> Other: _____ Exam Grade/Date: <i>100% 3.6.13</i>	
Dates of Training: From: <i>03.06.13</i> To: _____ Expires: <i>03.06.14</i>	
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 ² : <i>David Johnson</i> (Print)	<i>[Signature]</i> (Signature)

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. **660580**

I - To be completed by Trainee

Name of Trainee (print) <i>R Daniel Faulkham</i>	NYS Depart. of Motor Vehicles ID (DMV ID) ¹ <i>466 160 662</i>	
Signature of Trainee <i>R D Faulkham</i>	Telephone Number <i>315-408-2407</i>	Date of Birth ¹ <i>7/23/81</i>
Address <i>PO Box 423 Cape Vincent NY 13618</i>	(Street or PO Box)	(City) (State) (Zip Code)

II - To be completed by Training Sponsor

Provider's Name Cardno ATC	Telephone Number
Address 73 William Franks Drive West Springfield, MA 01089 (413) 781-0070	Course Location: Cardno ATC 10 Colvin Ave., Ste. 101 Albany, NY 12206 P. 518.438.0451
Zip Code	
Course Title: <i>Inspector</i> <input type="checkbox"/> Initial <input checked="" type="checkbox"/> Refresher <input type="checkbox"/> NYS DOH use only DOH Equivalency ²	
Training Language: <input checked="" type="checkbox"/> English <input type="checkbox"/> Other: _____ Exam Grade/Date: <i>92% 3.7.13</i>	
Dates of Training: From: <i>03.07.13</i> To: _____ Expires: <i>03.07.14</i>	
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 ² : <i>David Johnson</i> (Print)	<i>[Signature]</i> (Signature)

STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



BRIAN L COON
CLASS(EXPIRES)
C ATEC(11/14) D INSP(11/14)
H PM (11/14)

MUST BE CARRIED ON ASBESTOS PROJECTS

Certificate No. **678807**

I - To be completed by Trainee

Name of Trainee (print) BRIAN COON	NYS Depart. of Motor Vehicles ID (DMV ID) ¹ 116 123 760	
Signature of Trainee <i>[Signature]</i>	Telephone Number (585) 427-9020	Date of Birth ¹ 11/21/69
Address 35 CORRAL DR Penfield NY 14526	(Street or PO Box)	(City) (State) (Zip Code)

II - To be completed by Training Sponsor

Provider's Name Environmental Education Associates	Telephone Number 716 833 2929
Address 346 Austin Street Buffalo New York 14207	Course Location: 346 Austin Bf10, NY
Zip Code	

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

Training Language: English Other: _____ Exam Grade/Date: **80% 9/12/13**

Dates of Training: From: **9/12/13** To: **9/12/13** Expires: **9/12/14**

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: Andrew McLellan *[Signature]*
(Print) (Signature) DEPT. OF LABOR

United States Environmental Protection Agency

This is to certify that

Atlantic Testing Laboratories, Limited

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

New York

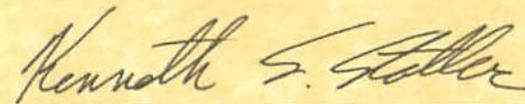
This certification is valid from the date of issuance and expires March 11, 2013

NY-8962-3

Certification #

DEC 17 2009

Issued On



Kenneth S. Stoller, P.E., QEP, DEE, Chief

Pesticides & Toxic Substances Branch



United States Environmental Protection Agency
This is to certify that

Robert Daniel Faulkham

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as a:

Risk Assessor

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires January 11, 2015

NY-R-72974-1

Certification #

DEC 28 2011

Issued On



John Gorman, Chief

Pesticides & Toxic Substances Branch



New York
RISK ASSESSOR



Certification No NY-R-72974-1	
Date of Birth 05/23/1981	Expiration Date 01/11/2015
Address 231 Wiley Blvd., PO Box 423 Cape Vincent, NY 13618	
Badge Holder's Name Robert Daniel Faulkham	
Badge Holder's Signature <i>R. Daniel Faulkham</i>	



If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD



Certified Lead-Based
Paint Professional



**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
 E-Mail: pmucha@amerisci.com
 URL: <http://www.amerisci.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200546-0

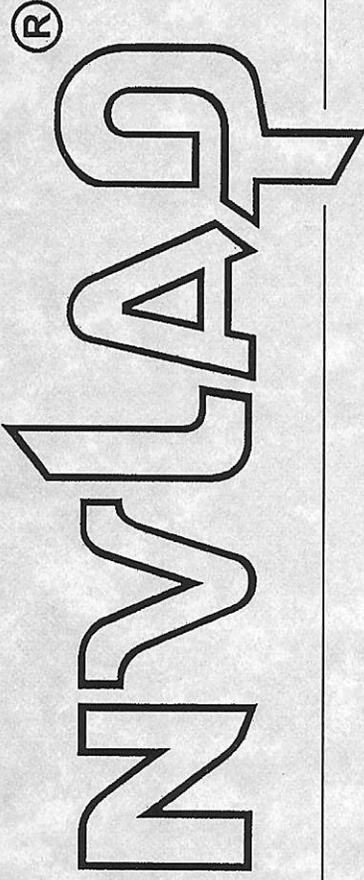
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2013-07-01 through 2014-06-30

Effective dates

For the National Institute of Standards and Technology

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:

BULK 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).*

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in black ink, appearing to read "Mark R. M. L. D.", written over a horizontal line.

For the National Institute of Standards and Technology

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. RAVI KRISHNAPPA
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	EPA 600/M4/82/020 Item 198.1 of Manual
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.: 48678

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.

APPENDIX B
SITE LOCATION MAP



Site Location Map

Drawn by:
RDF

Scale:
Not to scale

Project No.:
RT5178

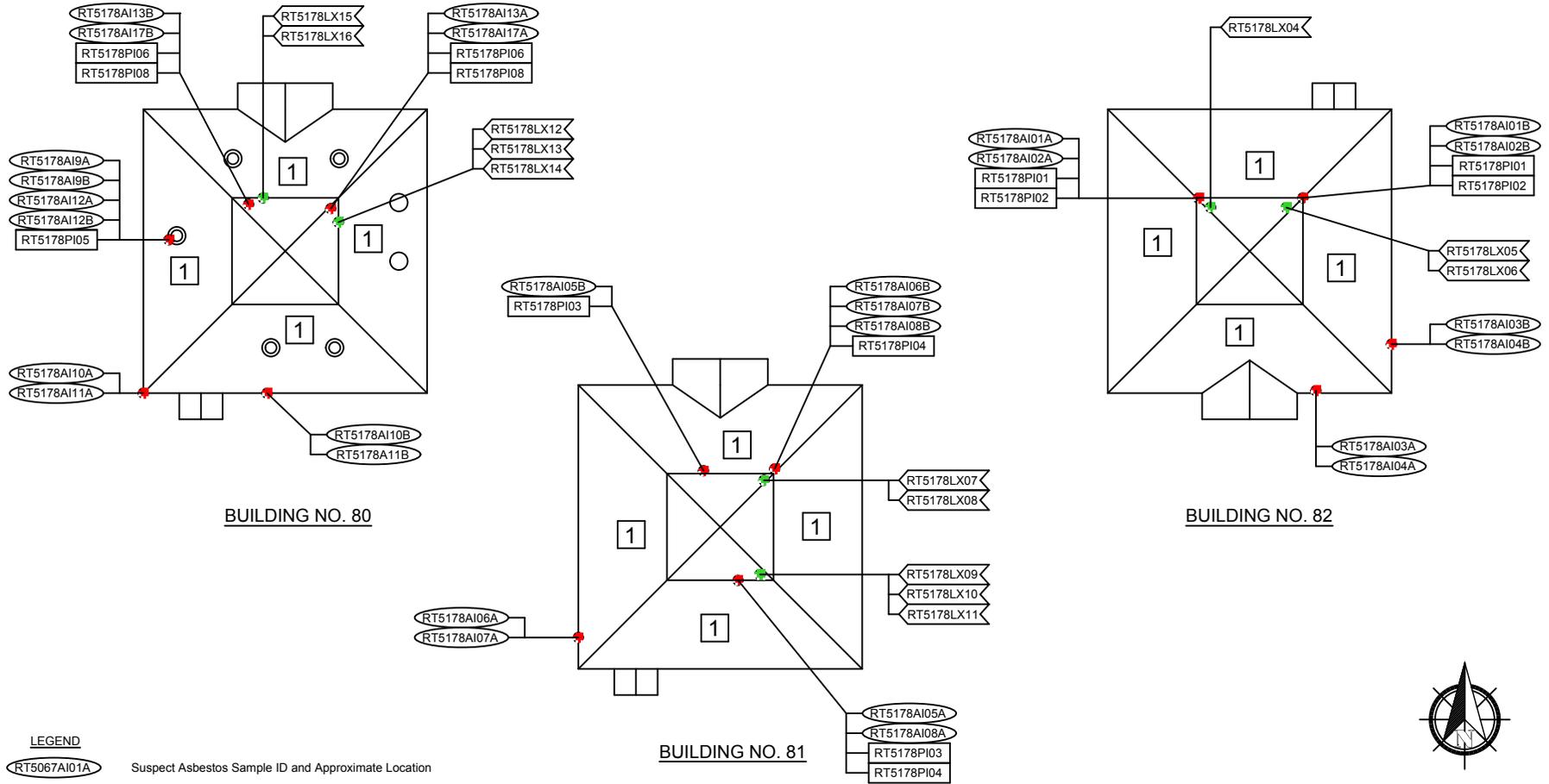
Date:
February, 2014

**Industry Secure Center
101 Ryder Hill Road
Rush, New York**

ATLANTIC TESTING LABORATORIES, Limited

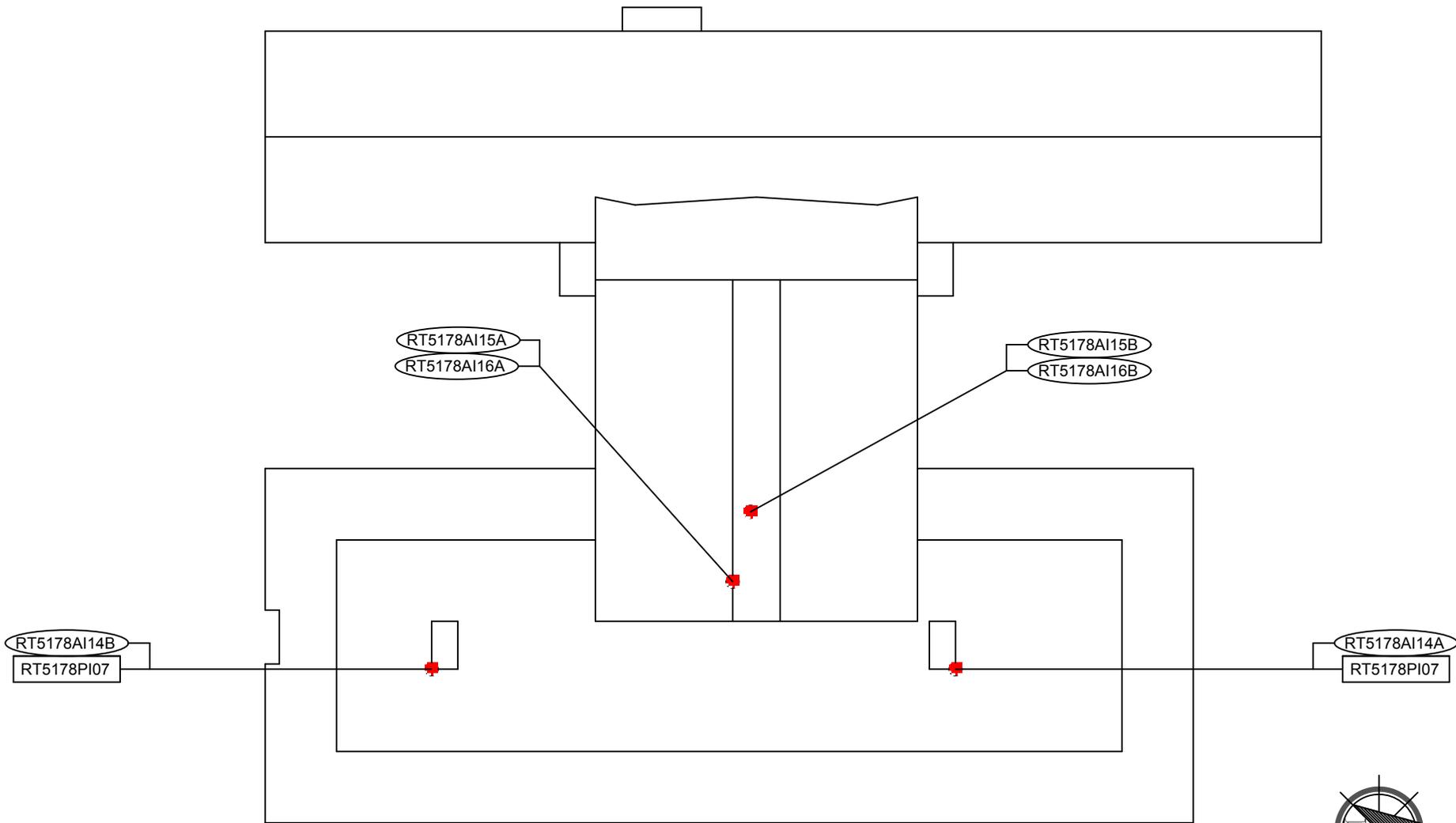
Albany, NY	Binghamton, NY	Canton, NY	Elmira, NY	Plattsburgh, NY
Poughkeepsie, NY	Syracuse, NY	Rochester, NY	Utica, NY	Watertown, NY

APPENDIX C
SAMPLE LOCATION PLANS



- LEGEND**
- RT5067AI01A Suspect Asbestos Sample ID and Approximate Location
 - RT5067PI01 Suspect PCB Sample ID and Approximate Location
 - RT5067LX01 Suspect XRF Lead Sample ID and Approximate Location
 - 1 Black/Gray, Penetration Tar

SAMPLE LOCATION PLAN	Drawn By: <i>JMS</i>	Scale: <i>None</i>	Project No.: <i>RT5178</i>	Date : <i>February 2014</i>
Roof Plan Industry Secure Center Rush, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY <small>www.AtlanticTesting.com</small>			



BUILDING NO. 90

- LEGEND**
- RT5067AI01A Suspect Asbestos Sample ID and Approximate Location
 - RT5067PI01 Suspect PCB Sample ID and Approximate Location

SAMPLE LOCATION PLAN	<i>Drawn By:</i>	JMS	<i>Scale:</i>	None	<i>Project No.:</i>	RT5178	<i>Date :</i>	February 2014
Roof Plan Industry Secure Center Rush, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY <small>www.AtlanticTesting.com</small>							

APPENDIX D

LABORATORY REPORTS AND CUSTODY DOCUMENTATION

Pace Analytical e-Report

Report prepared for:
ATLANTIC TESTING LABORATORIES, LTD
22 CORPORATE DR
CLIFTON PARK, NY 12065
CONTACT: DAN FAULKINHAM

Project ID: RT5178 NY SOGS INDUSTRY SC
Sampling Date(s): February 12, 2014
Lab Report ID: 14020267
Client Service Contact: Kelly Miller (518) 346-4592 ext. 3844

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.



Dan Pflzer
Laboratory Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

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

This page intentionally left blank.

Table of Contents

Section 1: CASE NARRATIVE	4
Section 2: QUALIFIERS	6
Section 3: SAMPLE CHAIN OF CUSTODY	8
Section 4: SAMPLE RECEIPT	10
Section 5: GC - PCB	12
Section 6: Quality Control Samples (Lab)	21

1

2

3

4

5

6

CASE NARRATIVE

February 19, 2014

CASE NARRATIVE

This data package (SDG ID: 14020267) consists of 8 caulk samples received on 02/14/2014. The samples are from Project Name: RT5178 NY SOGS INDUSTRY SC.

This sample delivery group consists of the following samples:

<u>Lab Sample ID</u>	<u>Client ID</u>	<u>Collection Date</u>
AR03400	RT5178PI01	02/12/2014 10:30
AR03401	RT5178PI02	02/12/2014 10:45
AR03402	RT5178PI03	02/12/2014 11:10
AR03403	RT5178PI04	02/12/2014 11:40
AR03404	RT5178PI05	02/12/2014 11:55
AR03405	RT5178PI06	02/12/2014 12:15
AR03406	RT5178PI07	02/12/2014 12:30
AR03407	RT5178PI08	02/12/2014 12:05

Sample Delivery and Receipt Conditions

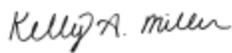
- (1.) All samples were delivered to the laboratory via FEDEX delivery service on 02/14/2014.
- (2.) All samples were received at the laboratory intact and within holding times.
- (3.) All samples were received at the laboratory properly preserved, if applicable.

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 percent recovery for one of the surrogates was not within acceptance limits for sample (LAB ID: AR03402). The alternate surrogate was within acceptance limits. Please see associated form for details.

Respectfully submitted,



Kelly A. Miller
Project Manager

QUALIFIERS

Qualifier Definitions

Organic Laboratory Qualifiers

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

D - Surrogate recovery not evaluated against control limits due to sample dilution.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed 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).

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 %.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

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

* - Value not within control limits.

Inorganic Laboratory Qualifiers

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

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed 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).

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY



ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record

6514

- 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
Corning, 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**
3445 Winton Road
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.		Client Name		QA/QC Code		Parameters						Report Distribution			
RT5178		NYS OGS		<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other		EPA 8082						Dates Required: 1-week TAT			
Page 1 of 1		Project Contact: Dan Faulkner		Project Location: Bush, NY								Send Report To: RFAULKNER@attentia.com			
Project Name: Industry Security Center		Sample Location: White Interior Window Calk		Sample Type: G								No. of Containers: 3		Fax Results: <input type="checkbox"/> YES <input type="checkbox"/> NO	
Date	Time	Sample Location Description		Sample Type	No. of Containers							Laboratory Identification No.		Field Notes	
2/12/14	10:30	White Interior Window Calk		G	3	AR03400		RT5178PJ01							
2/12/14	10:45	White Exterior Window Calk		G	3	AR03401		RT5178PJ02							
2/12/14	11:10	White Interior Window Calk		G	3	AR03402		RT5178PJ03							
2/12/14	11:40	White Exterior Window Calk		G	3	AR03403		RT5178PJ04							
2/12/14	11:55	Blackberry Penetration Calk		G	3	AR03404		RT5178PJ05							
2/12/14	12:15	White Interior Window Calk		G	3	AR03405		RT5178PJ06							
2/12/14	12:30	Dark Gray Sky Light Calk		G	3	AR03406		RT5178PJ07							
2/12/14	12:05	White Exterior Window Calk		G	3	AR03407		RT5178PJ08							
Samplers Name: Dan Faulkner		Date: 2/12/14		Received for Name:		Date:		Shipment Rec'd Intact?							
Samplers Signature: [Signature]		Time: 1700		Laboratory Signature:		Time:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO							
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:		Laboratory Remarks					
Name: Dan Faulkner	Date: 2/12/14	Name: VIA FED-EX →	Date:	Description: C Composite	Matrix: DW Drinking Water	Please XXX									
Signature: [Signature]	Time: 1700	Signature:	Time:	G Grab	GW Groundwater	Composite									
Name: VIA FED-EX →	Date:	Name: A. BITTIG	Date: 2/14/14	Q QA/QC	O Oil	Samples XXX									
Signature:	Time:	Signature: [Signature]	Time: 11:09	O Other	S Soil	Temp 1.6 (1R)									
				SL Sludge	WW Wastewater										

Think Quality

Distribution: White with Samples
Yellow to Laboratory

ENV-001B

SAMPLE RECEIPT



SAMPLE RECEIPT REPORT

14020267

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

CLIENT: ATLANTIC TESTING LABORATORIES, LTD
PROJECT: RT5178 NYSOGS INDUSTRY SC
LRF: 14020267
REPORT: ANALYTICAL REPORT
EDD: NO
LRF TAT: 1 WEEK

RECEIVED DATE: 02/14/2014 11:09
SHIPPED VIA: FEDEX
SHIPPING ID: 8030 2264 9334
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): 5.6 (IR) °C

SAMPLE SEALS INTACT: NA
¹**SAMPLES PRESERVED PER METHOD GUIDANCE:** YES
³**SAMPLES REC'D IN HOLDTIME:** YES
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
RT5178PI01 (AR03400)	1 WEEK 02-21-14	02/12/2014 10:30	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI02 (AR03401)	1 WEEK 02-21-14	02/12/2014 10:45	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI03 (AR03402)	1 WEEK 02-21-14	02/12/2014 11:10	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI04 (AR03403)	1 WEEK 02-21-14	02/12/2014 11:40	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI05 (AR03404)	1 WEEK 02-21-14	02/12/2014 11:55	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI06 (AR03405)	1 WEEK 02-21-14	02/12/2014 12:15	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI07 (AR03406)	1 WEEK 02-21-14	02/12/2014 12:30	Caulk	SW-846 8082A	PCB Analysis	
RT5178PI08 (AR03407)	1 WEEK 02-21-14	02/12/2014 12:05	Caulk	SW-846 8082A	PCB Analysis	

¹The pH preservation check of Oil and Grease (Method 1664) is 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.
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.

Reporting Parameters and Lists

SW-846 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: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI01
Lab Sample ID: 14020267-01 (AR03400)

Collection Date: 02/12/2014 10:30
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-72	SW-846 8082A (PCB)	02/19/2014 01:30	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.49 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1221	11104-28-2	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1232	11141-16-5	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1242	53469-21-9	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1248	12672-29-6	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1254	11097-69-1	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1260	11096-82-5	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1262	37324-23-5	ND	0.335	1.00	U	GC21F-2136-72
Aroclor 1268	11100-14-4	ND	0.335	1.00	U	GC21F-2136-72
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-72

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	101	60.0-140		GC21F-2136-72
Decachlorobiphenyl	2051-24-3	90.2	60.0-140		GC21F-2136-72

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

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

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

Note: There were several non-target peaks.



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI02
Lab Sample ID: 14020267-02 (AR03401)

Collection Date: 02/12/2014 10:45
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-74	SW-846 8082A (PCB)	02/19/2014 01:56	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.52 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1221	11104-28-2	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1232	11141-16-5	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1242	53469-21-9	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1248	12672-29-6	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1254	11097-69-1	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1260	11096-82-5	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1262	37324-23-5	ND	0.330	1.00	U	GC21F-2136-74
Aroclor 1268	11100-14-4	ND	0.330	1.00	U	GC21F-2136-74
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-74

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	102	60.0-140		GC21F-2136-74
Decachlorobiphenyl	2051-24-3	87.7	60.0-140		GC21F-2136-74

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

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

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

Note: There were several non-target peaks.



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI03
Lab Sample ID: 14020267-03 (AR03402)

Collection Date: 02/12/2014 11:10
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-78	SW-846 8082A (PCB)	02/19/2014 02:48	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.49 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1221	11104-28-2	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1232	11141-16-5	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1242	53469-21-9	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1248	12672-29-6	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1254	11097-69-1	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1260	11096-82-5	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1262	37324-23-5	ND	0.335	1.00	U	GC21F-2136-78
Aroclor 1268	11100-14-4	ND	0.335	1.00	U	GC21F-2136-78
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-78

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	100	60.0-140		GC21F-2136-78
Decachlorobiphenyl	2051-24-3	55.2	60.0-140	*	GC21F-2136-78

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

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

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

Note: There were several non-target peaks.



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI04
Lab Sample ID: 14020267-04 (AR03403)

Collection Date: 02/12/2014 11:40
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-80	SW-846 8082A (PCB)	02/19/2014 03:14	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.53 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1221	11104-28-2	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1232	11141-16-5	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1242	53469-21-9	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1248	12672-29-6	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1254	11097-69-1	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1260	11096-82-5	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1262	37324-23-5	ND	0.326	1.00	U	GC21F-2136-80
Aroclor 1268	11100-14-4	ND	0.326	1.00	U	GC21F-2136-80
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-80

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	101	60.0-140		GC21F-2136-80
Decachlorobiphenyl	2051-24-3	85.8	60.0-140		GC21F-2136-80

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

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

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

Note: There were several non-target peaks.



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI05
Lab Sample ID: 14020267-05 (AR03404)

Collection Date: 02/12/2014 11:55
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-82	SW-846 8082A (PCB)	02/19/2014 03:40	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.49 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1221	11104-28-2	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1232	11141-16-5	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1242	53469-21-9	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1248	12672-29-6	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1254	11097-69-1	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1260	11096-82-5	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1262	37324-23-5	ND	0.337	1.00	U	GC21F-2136-82
Aroclor 1268	11100-14-4	ND	0.337	1.00	U	GC21F-2136-82
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-82

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	111	60.0-140		GC21F-2136-82
Decachlorobiphenyl	2051-24-3	93.9	60.0-140		GC21F-2136-82

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

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

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



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI06
Lab Sample ID: 14020267-06 (AR03405)

Collection Date: 02/12/2014 12:15
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-84	SW-846 8082A (PCB)	02/19/2014 04:06	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.47 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1221	11104-28-2	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1232	11141-16-5	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1242	53469-21-9	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1248	12672-29-6	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1254	11097-69-1	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1260	11096-82-5	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1262	37324-23-5	ND	0.339	1.00	U	GC21F-2136-84
Aroclor 1268	11100-14-4	ND	0.339	1.00	U	GC21F-2136-84
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-84

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	101	60.0-140		GC21F-2136-84
Decachlorobiphenyl	2051-24-3	85.3	60.0-140		GC21F-2136-84

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

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

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

Note: There were several non-target peaks.



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI07
Lab Sample ID: 14020267-07 (AR03406)

Collection Date: 02/12/2014 12:30
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-88	SW-846 8082A (PCB)	02/19/2014 04:59	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.54 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1221	11104-28-2	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1232	11141-16-5	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1242	53469-21-9	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1248	12672-29-6	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1254	11097-69-1	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1260	11096-82-5	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1262	37324-23-5	ND	0.324	1.00	U	GC21F-2136-88
Aroclor 1268	11100-14-4	ND	0.324	1.00	U	GC21F-2136-88
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-88

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	112	60.0-140		GC21F-2136-88
Decachlorobiphenyl	2051-24-3	102	60.0-140		GC21F-2136-88

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

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

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



Analytical Sample Results

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: RT5178PI08
Lab Sample ID: 14020267-08 (AR03407)

Collection Date: 02/12/2014 12:05
Sample Matrix: CAULK
Received Date: 02/14/2014 11:09
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-89	SW-846 8082A (PCB)	02/19/2014 05:12	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:10	MH	1.52 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1221	11104-28-2	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1232	11141-16-5	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1242	53469-21-9	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1248	12672-29-6	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1254	11097-69-1	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1260	11096-82-5	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1262	37324-23-5	ND	0.330	1.00	U	GC21F-2136-89
Aroclor 1268	11100-14-4	ND	0.330	1.00	U	GC21F-2136-89
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-89

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	101	60.0-140		GC21F-2136-89
Decachlorobiphenyl	2051-24-3	85.6	60.0-140		GC21F-2136-89

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

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

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

Quality Control Samples (Lab)



**Quality Control Results
Method Blank**

Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: Method Blank (AR03390B)
Lab Sample ID: PBLK-30

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-58	SW-846 8082A (PCB)	02/18/2014 22:27	TEH	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:40	MH	10.5 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	GC21F-2136-58
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1262	37324-23-5	ND	0.0500	1.00	U	GC21F-2136-58
Aroclor 1268	11100-14-4	ND	0.0500	1.00	U	GC21F-2136-58
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC21F-2136-58

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	106	60.0-140		GC21F-2136-58
Decachlorobiphenyl	2051-24-3	98.0	60.0-140		GC21F-2136-58

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

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

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



**Quality Control Results
Lab Control Sample (LCS)**
Job Number: 14020267

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

Client: ATLANTIC TESTING LABORATORIES, LTD
Project: RT5178 NYSOGS INDUSTRY SC
Client Sample ID: Lab Control Sample (AR03390L)
Lab Sample ID: LCS-30

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC21F-2136-59	SW-846 8082A (PCB)	02/18/2014 22:40	TEH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	25749	EPA 3540C	02/17/2014 16:40	MH	10.4 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	1.20	1.19	98.9		70.0-130

¹Qualifier column where '*' 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	110	60.0-140		GC21F-2136-59
Decachlorobiphenyl	2051-24-3	101	60.0-140		GC21F-2136-59

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

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

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



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: Andy Amell
P.O. Box 29
Canton, NY 13617

Date Received 02/14/14 **AmeriSci Job #** 214022592
Date Examined 02/17/14 **P.O. #**
ELAP # 11480 **Page** 1 of 7
RE: RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI01A 01 Location: Bldg. 82 - White Interior Window Caulk	214022592-01	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 14.5 %			
RT5178AI01B 01 Location: Bldg. 82 - White Interior Window Caulk	214022592-02	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.4 %			
RT5178AI02A 02 Location: Bldg. 82 - White Exterior Window Caulk	214022592-03	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 24.1 %			
RT5178AI02B 02 Location: Bldg. 82 - White Exterior Window Caulk	214022592-04	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 10.2 %			
RT5178AI03A 03 Location: Bldg. 82 - Black/Gray Asphalt Shingle	214022592-05	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.6 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI03B 03	214022592-06 Location: Bldg. 82 - Black/Gray Asphalt Shingle	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 30.6 %			
RT5178AI04A 04	214022592-07 Location: Bldg. 82 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 35.5 %			
RT5178AI04B 04	214022592-08 Location: Bldg. 82 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 31 %			
RT5178AI05A 05	214022592-09 Location: Bldg. 81 - White Interior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 13.1 %			
RT5178AI05B 05	214022592-10 Location: Bldg. 81 - White Interior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 14.2 %			
RT5178AI06A 06	214022592-11 Location: Bldg. 81 - Black/Gray Asphalt Shingle	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 32.7 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI06B 06	214022592-12 Location: Bldg. 81 - Black/Gray Asphalt Shingle	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.9 %			
RT5178AI07A 07	214022592-13 Location: Bldg. 81 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.2 %			
RT5178AI07B 07	214022592-14 Location: Bldg. 81 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.6 %			
RT5178AI08A 08	214022592-15 Location: Bldg. 81 - White Exterior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 15.4 %			
RT5178AI08B 08	214022592-16 Location: Bldg. 81 - White Exterior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17.9 %			
RT5178AI09A 09	214022592-17 Location: Bldg. 80 - Black/Gray Penetration Caulk	Yes	Trace (<0.25 % pc) ¹ (EPA 400 PC) by Karol H. Lu on 02/17/14
Analyst Description: Black/Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 24 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI09B 09	214022592-18 Location: Bldg. 80 - Black/Gray Penetration Caulk	Yes	Trace (<0.25 % pc) ¹ (EPA 400 PC) by Karol H. Lu on 02/17/14
Analyst Description: Black/Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <0.25 % pc Other Material: Non-fibrous 27 %			
RT5178AI10A 10	214022592-19 Location: Bldg. 80 - Black/Gray Asphalt Shingle	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 30.2 %			
RT5178AI10B 10	214022592-20 Location: Bldg. 80 - Black/Gray Asphalt Shingle	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.9 %			
RT5178AI11A 11	214022592-21 Location: Bldg. 80 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 13.1 %			
RT5178AI11B 11	214022592-22 Location: Bldg. 80 - Black Vapor Barrier	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11.5 %			
RT5178AI12A 12	214022592-23 Location: Bldg. 80 - Black Penetration Tar	Yes	10.6 % (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 10.6 % Other Material: Non-fibrous 16 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI12B 12	214022592-24 Location: Bldg. 80 - Black Penetration Tar		N/A/PS
<p>Analyst Description: Bulk Material Asbestos Types: Other Material:</p>			
RT5178AI13A 13	214022592-25 Location: Bldg. 80 - White Interior Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
<p>Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17.9 %</p>			
RT5178AI13B 13	214022592-26 Location: Bldg. 80 - White Interior Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
<p>Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17.1 %</p>			
RT5178AI14A 14	214022592-27 Location: Bldg. 90 - Dark Gray Skylight Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
<p>Analyst Description: Dark Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 28.9 %</p>			
RT5178AI14B 14	214022592-28 Location: Bldg. 90 - Dark Gray Skylight Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
<p>Analyst Description: Dark Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29 %</p>			
RT5178AI15A 15	214022592-29 Location: Bldg. 90 - Black Seam Sealant	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
<p>Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 19.2 %</p>			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
RT5178AI15B 15	214022592-30 Location: Bldg. 90 - Black Seam Sealant	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25.4 %			
RT5178AI16A 16	214022592-31 Location: Bldg. 90 - Black EPDM Roofing	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 33 %			
RT5178AI16B 16	214022592-32 Location: Bldg. 90 - Black EPDM Roofing	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 27.6 %			
RT5178AI17A 17	214022592-33 Location: Bldg. 80 - White Exterior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11.2 %			
RT5178AI17B 17	214022592-34 Location: Bldg. 80 - White Exterior Window Caulk	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 02/17/14
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17.9 %			

Client Name: Atlantic Testing Laboratories, Limited

PLM Bulk Asbestos Report

RT5178; Industry Secure Center; Rush, NY

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Karol H. Lu 
*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 Lab Code 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 ID11480); 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 Lab # 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
 RT5178; Industry Secure Center; Rush, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	RT5178AI01A	01	0.200	65.0	20.5	14.5	NAD	NAD
Location: Bldg. 82 - White Interior Window Caulk								
02	RT5178AI01B	01	0.154	59.7	31.8	8.4	NAD	NAD
Location: Bldg. 82 - White Interior Window Caulk								
03	RT5178AI02A	02	0.112	73.2	2.7	24.1	NAD	NAD
Location: Bldg. 82 - White Exterior Window Caulk								
04	RT5178AI02B	02	0.333	45.0	44.7	10.2	NAD	NAD
Location: Bldg. 82 - White Exterior Window Caulk								
05	RT5178AI03A	03	0.779	29.5	42.9	27.6	NAD	NAD
Location: Bldg. 82 - Black/Gray Asphalt Shingle								
06	RT5178AI03B	03	0.559	26.3	43.1	30.6	NAD	NAD
Location: Bldg. 82 - Black/Gray Asphalt Shingle								
07	RT5178AI04A	04	0.361	62.3	2.2	35.5	NAD	NAD
Location: Bldg. 82 - Black Vapor Barrier								
08	RT5178AI04B	04	0.174	63.2	5.7	31.0	NAD	NAD
Location: Bldg. 82 - Black Vapor Barrier								
09	RT5178AI05A	05	0.222	66.7	20.3	13.1	NAD	NAD
Location: Bldg. 81 - White Interior Window Caulk								
10	RT5178AI05B	05	0.240	65.4	20.4	14.2	NAD	NAD
Location: Bldg. 81 - White Interior Window Caulk								
11	RT5178AI06A	06	0.520	22.3	45.0	32.7	NAD	NAD
Location: Bldg. 81 - Black/Gray Asphalt Shingle								
12	RT5178AI06B	06	0.417	23.5	39.6	36.9	NAD	NAD
Location: Bldg. 81 - Black/Gray Asphalt Shingle								
13	RT5178AI07A	07	0.235	91.1	1.7	7.2	NAD	NAD
Location: Bldg. 81 - Black Vapor Barrier								
14	RT5178AI07B	07	0.306	94.4	1.0	4.6	NAD	NAD
Location: Bldg. 81 - Black Vapor Barrier								
15	RT5178AI08A	08	0.221	63.3	21.3	15.4	NAD	NAD
Location: Bldg. 81 - White Exterior Window Caulk								
16	RT5178AI08B	08	0.251	63.7	18.3	17.9	NAD	NAD
Location: Bldg. 81 - White Exterior Window Caulk								

Table I
Summary of Bulk Asbestos Analysis Results
 RT5178; Industry Secure Center; Rush, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	RT5178A109A	09	0.392	26.8	49.2	23.9	Chrysotile <0.25	Chrysotile Trace
	Location: Bldg. 80 - Black/Gray Penetration Caulk							
18	RT5178A109B	09	0.407	25.1	47.9	26.9	Chrysotile <0.25	Chrysotile Trace
	Location: Bldg. 80 - Black/Gray Penetration Caulk							
19	RT5178A110A	10	0.494	25.1	44.7	30.2	NAD	NAD
	Location: Bldg. 80 - Black/Gray Asphalt Shingle							
20	RT5178A110B	10	0.499	25.1	47.1	27.9	NAD	NAD
	Location: Bldg. 80 - Black/Gray Asphalt Shingle							
21	RT5178A111A	11	0.168	78.0	8.9	13.1	NAD	NAD
	Location: Bldg. 80 - Black Vapor Barrier							
22	RT5178A111B	11	0.157	86.0	2.5	11.5	NAD	NAD
	Location: Bldg. 80 - Black Vapor Barrier							
23	RT5178A112A	12	0.384	69.3	4.2	16.0	Chrysotile 10.6	NA
	Location: Bldg. 80 - Black Penetration Tar							
24	RT5178A112B	12	0.356	73.9	1.1	25.0	NA/PS	NA
	Location: Bldg. 80 - Black Penetration Tar							
25	RT5178A113A	13	0.263	61.6	20.5	17.9	NAD	NAD
	Location: Bldg. 80 - White Interior Caulk							
26	RT5178A113B	13	0.222	61.7	21.2	17.1	NAD	NAD
	Location: Bldg. 80 - White Interior Caulk							
27	RT5178A114A	14	0.249	37.3	33.7	28.9	NAD	NAD
	Location: Bldg. 90 - Dark Gray Skylight Caulk							
28	RT5178A114B	14	0.255	38.4	32.5	29.0	NAD	NAD
	Location: Bldg. 90 - Dark Gray Skylight Caulk							
29	RT5178A115A	15	0.177	55.9	24.9	19.2	NAD	NAD
	Location: Bldg. 90 - Black Seam Sealant							
30	RT5178A115B	15	0.118	53.4	21.2	25.4	NAD	NAD
	Location: Bldg. 90 - Black Seam Sealant							
31	RT5178A116A	16	0.209	65.6	1.4	33.0	NAD	NAD
	Location: Bldg. 90 - Black EPDM Roofing							
32	RT5178A116B	16	0.210	70.5	1.9	27.6	NAD	NAD
	Location: Bldg. 90 - Black EPDM Roofing							

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results
 RT5178; Industry Secure Center; Rush, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	RT5178A117A	17	0.205	62.9	25.9	11.2	NAD	NAD
Location: Bldg. 80 - White Exterior Window Caulk								
34	RT5178A117B	17	0.218	61.0	21.1	17.9	NAD	NAD
Location: Bldg. 80 - White Exterior Window Caulk								



Analyzed by: Marik Peysakhov; Date Analyzed 2/17/2014
 **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); AIHA Lab # 102843, NVLAP Lab Code 200546-0, NYSDOH ELAP Lab ID#11480.

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: _____

Atlantic Testing Laboratories

214022592

Asbestos Bulk Sample Chain-Of-Custody Record

- Albany**
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166(F)
- Binghamton**
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)
- Canton**
6431 U.S. Highway 11
Canton, NY 14903
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 Arctona 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**
3445 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		Send Reports To (ATL Office): ATL Contact:	Report Distribution		Laboratory Sample ID No.
			Turn-Around-Time:	Special Instructions:		PLM	PLM-NOB	
RT5178	Industry Secure Center	2/12/2014 Page 1 of 3	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input checked="" type="checkbox"/> 72hr	<input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB analyze by TEM-NOB <input type="checkbox"/> Other:	AAMELL@atlantictesting.com	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Rochester Office + Syracuse Office	
Project Contact:	Andrew Amell				Send Copy To:			
Project Location:	Rush, NY				Fax Results:			
Field Sample No.	Sample Location	Sample Description	Analysis Requested	PLM	PLM-NOB	TEMP-NOB	MICRO-VAC	Laboratory Sample ID No.
RT5178A1 01A	Bldg 82	White Interior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 01B	Bldg 82	White Interior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 02A	Bldg 82	White Exterior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 02B	Bldg 82	White Exterior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 03A	Bldg 82	Black/Gray Asphalt Shingle	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 03B	Bldg 82	Black/Gray Asphalt Shingle	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 04A	Bldg 82	Black Vapor Barrier	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 04B	Bldg 82	Black Vapor Barrier	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 05A	Bldg 81	White Interior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 05B	Bldg 81	White Interior window caulk	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 06A	Bldg 81	Black/Gray Asphalt Shingle	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 06B	Bldg 81	Black/Gray Asphalt Shingle	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 07A	Bldg 81	Black Vapor Barrier	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
RT5178A1 07B	Bldg 81	Black Vapor Barrier	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Sampler's Name:	Don Ferguson	Received at Laboratory (Name):	2/12/14	Date:		Date:		Ship. Rec'd Intact <input type="checkbox"/> YES <input type="checkbox"/> NO
Sampler's Signature:	[Signature]	Laboratory Signature:	1700	Time:		Time:		
Samples Relinquished By:			Samples Received By:			Field and Laboratory Remarks		
Name:	Don Ferguson	Name:	[Signature]	Date:	2/13/14	Date:	2/14/14	
Signature:	[Signature]	Signature:	[Signature]	Time:	1700	Time:	1409	
Name:		Name:		Date:		Date:		
Signature:		Signature:		Time:		Time:		

Atlantic Testing Laboratories

214022592

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

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

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

Rochester
3445 Winton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/693-6098 (T)
845/693-6099 (F)

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

Elmira
2530 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Canton
6431 U.S. Highway 11
Canton, NY 14903
315/386-4578 (T)
315/386-1012 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

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

Asbestos Bulk Sample Chain-Of-Custody Record

Project No.	Project Name	Date Collected	Laboratory Instructions	Report Distribution
RT5178	Industry Secure Center	2/12/2014	<input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input checked="" type="checkbox"/> 48hr <input checked="" type="checkbox"/> 72hr <input type="checkbox"/> 5day <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Positive Stop Analysis <input checked="" type="checkbox"/> If negative by PLM-NOB analyze by TEM-NOB <input type="checkbox"/> Other _____	Rochester Office Send Repts To (ATL Office): ATL Contact: AAMELL@atlantictesting.com Send Copy To: Fax Results: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Field Sample No.	Sample Location	Sample Description	Analysis Requested	Laboratory Sample ID No.
RT5178A1 15A	Bldg 90	Black Seam Sealant	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1 15B	1st Bldg 90	Black Seam Sealant	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1 16A	Bldg 90	Black EPDM Roofing	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1 16B	Bldg 90	Black EPDM Roofing	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1 17A	Bldg 80	White Exterior Window Calk	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1 17B	Bldg 80	White Exterior Window Calk	PLM-NOB <input checked="" type="checkbox"/> TEM-NOB <input checked="" type="checkbox"/> MICRO-VAC	
RT5178A1		RF		
RT5178A1		Red Gell		
RT5178A1				
Sampler's Name:	Don Barbakian	Received at Laboratory (Name):		
Sampler's Signature:	<i>Don Barbakian</i>	Laboratory Signature:		
Date:	2/13/14	Date:	2/14/14	
Time:	17:00	Time:	14:09	
Samples Relinquished By:				
Name:	Don Barbakian	Name:		
Signature:	<i>Don Barbakian</i>	Signature:		
Date:		Date:		
Time:		Time:		
Field and Laboratory Remarks				

APPENDIX E

SUMMARY OF XRF RESULTS AND CALIBRATION CHECKS

Table E-I
Summary of XRF Test Results - Lead Detected at Greater than or Equal to 1 mg/cm²

Reading No	Time	Component	Substrate	Side	Condition	Color	Site	Building	Room	Result (mg/cm²)
RT5178LX05	2/12/2014 12:05	Window Flashing	Metal	A	Intact	Gray	RT5178	82	Exterior	29.9
RT5178LX10	2/12/2014 13:01	Window Flashing	Metal	A	Intact	Gray	RT5178	81	Exterior	25.3
RT5178LX14	2/12/2014 13:10	Window Flashing	Metal	A	Intact	Gray	RT5178	80	Exterior	20.8

**Table E-II
Summary of XRF Test Results - No Lead Detected**

Reading No	Time	Component	Substrate	Side	Condition	Color	Site	Building	Room	Result (mg/cm ²)
RT5178LX04	2/12/2014 11:38	Window Casing	Metal	A	Intact	Off-White	RT5178	82	Interior	< LOD
RT5178LX06	2/12/2014 12:06	Window Column	Metal	A	Intact	Beige	RT5178	82	Exterior	< LOD
RT5178LX07	2/12/2014 12:48	Window Casing	Metal	A	Intact	Off-White	RT5178	81	Interior	< LOD
RT5178LX08	2/12/2014 12:49	Window Casing	Metal	A	Intact	Off-White	RT5178	81	Interior	< LOD
RT5178LX09	2/12/2014 13:00	Window Casing	Metal	A	Intact	Beige	RT5178	81	Exterior	< LOD
RT5178LX11	2/12/2014 13:01	Window Column	Metal	A	Intact	Beige	RT5178	81	Exterior	< LOD
RT5178LX12	2/12/2014 13:09	Window Column	Metal	A	Intact	Beige	RT5178	80	Exterior	< LOD
RT5178LX13	2/12/2014 13:10	Window Casing	Metal	A	Intact	Beige	RT5178	80	Exterior	< LOD
RT5178LX15	2/12/2014 13:28	Window Trim	Metal	A	Intact	Off-White	RT5178	80	Interior	< LOD
RT5178LX16	2/12/2014 13:28	Window Casing	Metal	A	Intact	Off-White	RT5178	80	Interior	< LOD

Table E-III
Summary of XRF Calibration Results

Reading No	Time	Component	Substrate	Side	Condition	Color	Inspector	Site	Building	Room	Result (mg/cm²)
RT5178LX01	2/12/2014 11:05			Calibrate				RT5178			1.1
RT5178LX02	2/12/2014 11:07			Calibrate				RT5178			1.1
RT5178LX03	2/12/2014 11:08			Calibrate				RT5178			1.0
RT5178LX17	2/12/2014 14:25			Calibrate				RT5178			1.0
RT5178LX18	2/12/2014 14:17			Calibrate				RT5178			1.1
RT5178LX19	2/12/2014 14:19			Calibrate				RT5178			1.0