Tropical Environmental, Inc.
10976 Fairbluff Ave.
Huntley, IL. 60142
(224) 569-3277 (224) 569-3278 fax
www.TropicalEnvironmental.com

December 7, 2011

Mr. Royal Eckstein
Captain James A. Lovell FHCC
3001 Green Bay Road
North Chicago, Illinois 60064

RE: U.S. Department of Veterans Affairs (VA)
Captain James A. Lovell Federal Health Care Center
Tramway

Dear Mr. Eckstein:

Tropical Environmental, Inc. (Tropical) performed a limited asbestos assessment of the above referenced location in general accordance with:

- The Commercial and Public Buildings Asbestos Abatement Act (225 ILCS 207) enforced by the Illinois Department of Public Health (IDPH)
- The Asbestos Hazard Emergency Response Act (40 CFR 763) enforced by the U.S. Environmental Protection Agency (USEPA), and
- The Asbestos Hazard Communication requirements (29 CFR 1910.1001(i) enforced by the U.S. Occupational Safety and Health Administration (OSHA).

Tropical performed the limited survey to identify and sample suspect asbestos-containing materials (ACM) in the facility. Samples of suspect asbestos-containing material (ACM) were submitted to a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory for analysis. Laboratory results indicate that some of the suspect material contains asbestos. Please refer to the attached report for details on the survey.

Please feel free to contact me at (224) 269-3277 or by email at info@tropicalenvironmental.com with any comments or questions regarding Tropical's investigation and this report.

Sincerely,
Tropical Environmental, Inc.

Mark Haines
President

Table of Contents Page

Executive Summary 1
1.1 Project Purpose and Background 3
2.0 Asbestos Survey 4
2.1 Asbestos Survey Methodology 4
2.2 Asbestos Results 5
2.3 Applicable Regulations 5
3.0 Findings and Recommendations 7
4.0 Limitations 8
5.0 References & Definitions 10

Appendices

Appendix A: Asbestos Survey Analytical Summary Table
Appendix B: Asbestos Laboratory Results, Laboratory Certifications and Chain-of-Custodies
Appendix C: Tropical Employee Certifications
Appendix D: Material/Sample Location Drawings
Appendix E: Photographs of ACM Positives

Executive Summary

Tropical Environmental, Inc. (Tropical) was retained by the VA to provide an Asbestos Survey of all buildings, as defined by VA representatives, located on the Captain James A. Lovell Federal Health Care Center Campus in North Chicago, IL. The field assessment and sampling was performed from July 19, 2011 to October 5, 2011.

The tramway system runs throughout the central building complex of the Captain James A. Lovell Federal Health Care Center. Suspect fire-doors were noted throughout and shall be presumed ACM.

Tropical performed a visual survey of building materials and collected representative samples of homogeneous suspect ACM, in accordance with EPA requirements, guidelines and standard industry practices. The samples were submitted to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for bulk analysis.

This report addresses the asbestos survey completed for the Tramway.

Based on the bulk sampling and laboratory analyses, suspect materials were reported to contain asbestos, including the following:

HSA Sample #	Material Description	Material Condition	Material Quantity	Material Location	Laboratory Results
GG2	Glue Globs – Brown	NONFRIABLE	5 SF	Tram between building 4 and building 7, Closet SR2	**4% - 7.9% CHRYSOTILE**
EWC	Exterior Window Caulking.	NONFRIABLE		Throughout	**1.3% CHRYSOTILE**
WG	Window Glazing	NONFRIABLE	10 SF	Tram between Building 6 and Building 126	**7.7%-18.40% CHRYSOTILE**

Based on the bulk sampling and laboratory analyses, suspect materials were reported to contain asbestos at less than 1%, including the following:

HSA Sample #	Material Description	Material Condition	Material Quantity	Material Location	Laboratory Results
DIA	Duct Insulation Adhesive	NONFRIABLE	50 SF	Tram between building 4 and Building 7, closet SR2	**0.2%-0.3% CHRYSOTILE**
IWC	Interior window caulk	NONFRIABLE		Throughout	**<0.25% CHRYSOTILE**

Photographs of the ACM are included in Appendix E.

Every attempt was made to thoroughly evaluate and assess the presence and condition of suspect ACM throughout the building. Any suspect ACM identified during renovation that is not specifically listed in this report should be assumed positive until it can be thoroughly evaluated, assessed, sampled, and analyzed prior to disturbance, in accordance with applicable regulatory standards.

1.0 Introduction

Tropical Environmental, Inc. (Tropical) was retained by the VA to provide an Asbestos Survey of all buildings, as defined by VA representatives, located on the Captain James A. Lovell Federal Health Care Center Campus in North Chicago, IL. The field assessment and sampling was performed from July 19, 2011 to October 5, 2011.

This report addresses the asbestos survey completed for the Tramway.

The asbestos survey was performed by Illinois Department of Public Health (IDPH) licensed asbestos inspectors Mr. Mark Haines, license #100-00919, and Ms. Terri Lewis, license #100-07366.

1.1 Project Purpose and Background

The asbestos survey was conducted to identify accessible asbestos containing materials in the building.

1.2 Scope of Work

Tropical performed an asbestos survey to determine and quantify ACM in accessible areas. The ACM survey included the following activities:

- Visual inspection of all accessible areas of the building, as identified by VA representatives to be included in the scope of this project.
- Collection of bulk samples of identified suspect ACM per homogeneous materials in accessible areas of the building.
- NVLAP accredited laboratory analysis of suspect ACM bulk samples by polarized light microscopy (PLM) to first positive result per homogeneous material.
- Preparation of a final report that includes sample locations of representative ACM and the laboratory's analytical report.

2.0 Asbestos Survey

2.1 Asbestos Survey Methodology

Only currently certified and licensed inspector(s) and (if appropriate) trainee(s) were utilized for this inspection.

The inspector(s) first reviewed supplied building documents, if applicable, which may have included the asbestos management plan, previous inspection reports, blue prints, and as built drawings, etc. A property/structure(s) walk-thru was then conducted to locate, identify, measure and separate previously identified asbestos containing materials and suspect asbestos containing materials into homogeneous areas. The material's current condition was also evaluated during the walk-thru. Material conditions were evaluated utilizing the following terminology, Good, Damaged & Significantly Damaged.

Samples were collected using EPA approved methods specifically designed for sample collection. Samples were taken utilizing the randomly distributive manner method while simultaneously applying amended water. Samples were immediately placed in a pre-labeled re-sealable plastic bag. To prevent accidental exposure, sample containers are made of a durable plastic designed to provide an airtight seal. The sampling instrument was subsequently wiped with a clean moist cloth to decontaminate the tool, prevent the potential release of asbestos fibers, and prevent cross contamination of subsequent samples. Following the collection of each sample, the sample location was patched as appropriate. Sample areas were touched to determine friability.

The following chart, as detailed by 40 CFR 763.86, is typically used (and in certain cases, required) for sampling surfacing building materials for asbestos content:

< 1000 s/f	3 samples
1000 – 5000 s/f	5 samples
>5000 s/f	7 samples

9 samples are recommended by the EPA for all samples

A group letter or combination of letter and number was assigned to each homogenous material. This combination serves as a prefix to identify materials of similar composition, texture, color, and date of installation. Each sample was then assigned a sample number such as 01, 02, 03, etc.

All samples were identified on a signed and dated Chain-of-Custody document, which accompanied the samples to the laboratory.

To ensure both quality and objectivity, an independent laboratory was used. Laboratories are selected based on their current accreditations. The laboratory chosen participates in the National Voluntary Laboratory Accreditation Program (NVLAP) for quality control procedures (NVLAP Lab Code: 101202-0). As specified in 40 CFR Chapter I (1-1-87 edition) Part 763, Subpart F, Appendix A.

Suspected asbestos samples were analyzed using polarized light microscopy (PLM) / dispersion staining techniques in accordance with the EPA Method documents "US EPA 600/M4-82-020, 1982" & "US EPA 600/R-93/118, 1993". Detection limits for this type of analysis are approximately one percent (by volume). All samples were analyzed by International Asbestos Testing Laboratories of Mt. Laurel, New Jersey (IATL), a National Voluntary Laboratory Accreditation Program (NVLAP) accredited asbestos laboratory. Laboratory accreditations are provided in Appendix B.

Some materials may not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tile routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard PLM method. Transmission Electron Microscopy (TEM) is required for a more definitive analysis of these materials. These types of flooring materials that are reported by laboratory analysis to be non-asbestos by PLM analysis are routinely submitted to an accredited laboratory for analysis under TEM for verification of asbestos content. Fifty-seven (57) samples were tested with TEM analysis for this building.

2.2 Asbestos Results

ASBESTOS CONTAINING MATERIALS

Suspect asbestos containing materials were identified and sampled in accordance with the above-referenced survey methodology. Laboratory results for suspect materials that were identified and sampled are included in Appendix A, entitled *"Table I, Asbestos Survey Analytical Summary."* Please reference the material location included on the drawings provided in Appendix D.

According to the AHERA Model Accreditation Plan, non-suspect material such as fiberglass, foam rubber and plastics do not warrant sampling.

2.3 Applicable Regulations

EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR 61,

Subpart M) categorizes asbestos-containing thermal system insulation (TSI) and sprayed-on or troweled-on asbestos as regulated ACM (RACM). Miscellaneous materials (floor tile and floor tile mastic) are classified as Category I Non-Friable Asbestos; and transite material is classified as Category II Non-Friable Asbestos, unless the material is made friable during demolition. Friable ACM is material that can be crumbled, pulverized, or reduced to a powder by hand. NESHAP requires at least ten working days' notification prior to any renovation or demolition activity that will disturb greater than 160 square feet or 260 linear feet of ACM materials. ACM removed during abatement must be disposed of at a landfill approved by the EPA to receive asbestos wastes. NESHAP states that regulated asbestos-containing material (RACM), including friable ACM and non-friable ACM that has become or has a high probability of becoming friable, present in quantities exceeding 260 lineal feet on pipes or 160 square feet on facility components must be removed prior to the commencement of any demolition activities. NESHAP also states that Category 1 non-friable ACM does not need to be removed prior to demolition if it is not in poor condition and has become friable. Friable materials (with the exception of roofing products) and transite are typically required to be removed prior to a demolition. Asbestos containing floor tile and mastic are typically required to be removed from concrete prior to recycling. **Agencies such as Cook County require all asbestos containing materials be removed prior to demolition.** If a facility is demolished by intentional burning, all regulated asbestos containing materials including Category I and Category II non-friable ACM must be removed before burning.

The Occupational Safety and Health Administration (OSHA) Construction Industry Standard (29 CFR 1926.1101) categorizes the removal of asbestos containing materials by "class" of material. Specific requirements for the removal of OSHA classified materials include, but are not limited to, regulated work areas, air monitoring, engineering controls, work practices, personal protective equipment, notification and training.

The U.S. Department of Transportation (DOT) requires special procedures for packaging, labeling and transportation of asbestos wastes to disposal facilities. Other regulations may apply depending upon the contractor's means and methods.

Tropical recommends the use of certified and licensed asbestos personnel for **all** planned disturbance of known and suspect asbestos containing products. In accordance with IDPH, IEPA, U.S.EPA and OSHA regulations asbestos containing materials must be removed by and disposed of by a certified/licensed asbestos abatement personnel/contractor.

3.0 Findings and Recommendations

Suspect materials identified, sampled and analyzed as part of this survey were reported to contain asbestos in regulated quantities.

Materials identified in this report as ACM must be handled in accordance with applicable regulations as provided herein, and must be abated if they will be impacted by any planned renovation activity.

The owner or operator of a demolition or renovation activity and prior to the commencement of the demolition or renovation shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II non-friable ACM.

It shall be at the owner's discretion that a copy of this report is provided to any contractor bidding on work in the area(s) covered by this assessment. The owner may also elect to provide a copy of the report to the contractor on site during any renovation and/or demolition activities.

Contractors should use caution and be advised and directed that during renovation or demolition of a structure that concealed materials may be discovered, therefore, should suspect materials not identified in this inspection become exposed or made aware, you should cease operations that may disturb, dislodge or disrupt the material until it is sampled and analyzed for its possible asbestos content.

Although the efforts and intentions of our inspector(s) are always to sample all suspect materials, due to the nature of sampling, (destructive sampling, limited sample locations, visual assumption, etc.) some materials (such as floor tile/linoleum mastic/adhesive) may be excluded from the sampling process. These materials shall be assumed positive for asbestos unless sampled and analyzed otherwise. The client assumes and retains all responsibility and authority to conduct further sampling and analysis at their expense.

If additional suspect asbestos containing materials are identified during the renovation, those materials should be assumed to be positive for asbestos until they can be assessed, sampled, and analyzed by a NVLAP accredited laboratory.

4.0 Limitations

The conclusions of this report are Tropical's professional opinions, based solely upon visual site observations and interpretations of laboratory analyses, as described in this report. The opinions presented herein apply to the site conditions existing at the time of Tropical's investigation and interpretation of current regulations pertaining to asbestos. Therefore, Tropical's opinions and recommendations may not apply to future conditions that may exist at the site, which we have not had the opportunity to evaluate. It should be noted that conditions change and that materials constantly degrade. All applicable federal, state and local regulations should always be verified prior to any work that will disturb or dislodge materials confirmed, assumed or presumed to contain asbestos,

Tropical's assessment was limited to observation, sampling and the analysis of suspect asbestos containing products in accessible portions of the area(s) covered by this survey. Materials in the building that are not considered building materials, are unusual or *de minimis*, or were inaccessible, due to common construction techniques, to the inspector were excluded from the inspection. As a result, additional asbestos containing building materials may be present in inaccessible areas (e.g. between walls, ceiling spaces enclosed by wallboard, interior of fire doors, etc.) of the structure that were not observed during the survey.

This inspection report is designed to assist the client in the understanding of the regulations regarding asbestos, however, it should not be used as a substitution for obtaining and familiarizing yourself with, including the compliance of, all asbestos related regulations including, but not limited to, 40 CFR, Chapter 61, Subpart M (National Emission Standard for Asbestos) prior to the start of any renovation or demolition activity that will disturb or dislodge asbestos containing materials or suspect/assumed asbestos containing materials.

This report has been prepared for the exclusive use of the intended client, for the specific application to the defined property as addressed in this report. Any additional user of this report shall determine the suitability of the material contained herein for their intended use, and any such user assumes all risks and liability in connection therewith. No claim is made that these findings will remain applicable to future site activities and conditions. Interpretations by any such user from information contained in this report or the drawing of conclusions by any such user from information contained in this report shall be undertaken solely at the risk of said party.

At all times during the performance of the inspection, safety was a priority. Due to the emphasis on safety, there were no injuries, there was no building contamination, and there were no asbestos exposures to either Tropical Environmental, Inc personnel or building occupants.

The asbestos survey was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the environmental profession under similar conditions. No other warranty or guarantee, express or implied, is included or intended in this Report or otherwise.

5.0 References & Definitions

Illinois Department of Public Health (IDPH)

Asbestos Abatement Act, 105 ILCS 105

Asbestos Abatement for Public and Private Schools and Commercial and Public Buildings in Illinois, 77 Illinois Administrative Code 855

Commercial and Public Building Asbestos Abatement Act, 225 ILCS 207

United States Environmental Protection Agency (USEPA)

Asbestos Hazard Emergency Response Act (AHERA), 40 CFR, Part 763

National Emission Standards for Hazardous Air Pollutants (NESHAP), Asbestos, 40 CFR, Part 61, November 20, 1990

Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA 560/5-85/024), June 1985

Illinois Environmental Protection Agency (IEPA)

Emission Standards and Limitations for Stationary sources, Asbestos 35 IAC, Part 228

United States Occupational Safety and Health Administration (OSHA)

Occupational Exposure to Asbestos, Final Rule, 29 CFR, Pars 1910 and 1926 (August 10, 1994)

Cook County Department of Environmental Control (CCDEC)

Cook County Environmental Control Act

Asbestos Containing Products means, according to the U.S. EPA Method 600/R-93/116, Regulated Asbestos Containing Materials (RACM) are those materials found to contain greater than 1% asbestos per volume of bulk material sampled, by PLM. The term is not intended to include *de minimis* or inaccessible materials that do not present a risk of harm to public health and that generally would not be the subject of enforcement actions if brought to the attentions of appropriated regulatory agencies.

Asbestos Types are Chrysotile (white asbestos making up approximately 95% of all asbestos used in the United States), Amosite (brown asbestos making up approximately 5% of all asbestos used in the United States), Crocidolite (blue asbestos making up approximately less than 5% of all asbestos used in the United States), and rarely found in buildings are Anthophyllite, Tremolite & Actinolite.

Category I Non-friable Asbestos-Containing Material (ACM) means asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy.

Category II Non-friable ACM means any material, excluding Category I nonfriable ACM containing more than 1 percent asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Damaged means less than 25% localized damage or less than10% distributed damage.

Demolition means the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning (i.e. practice burns) of any facility.

Facility means any institutional, commercial, public, industrial, or residential structure, installation, or building (including any structure, installation, or building containing condominiums or individual dwelling units operated as a residential cooperative, but excluding residential buildings having four or fewer dwelling units); any ship; and any active or inactive waste disposal site. For purposes of this definition, any building, structure, or installation that contains a loft used as a dwelling is not considered a residential structure, installation, or building. Any structure, installation, or building that was previously subject to the Asbestos NESHAP is not excluded, regardless of its current use or function.

Friable Asbestos Material means any material containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763 section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Homogeneous Area -- an area of surfacing materials, thermal surface insulation, or miscellaneous material that is uniform in color and texture and has the same installation date.

Miscellaneous Material means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Multi-layered Material means a material that has a presence of discrete individual layers. EPA does not

regard a sheet of "plasterboard," sheetrock," "wallboard," or "gypsum board" by itself a multi-layered material.

Polarized Light Microscopy means an optical microscopy technique for analyzing bulk samples for asbestos in which the sample is illuminated with polarized light (light which vibrates in only one plane) to distinguish between different types of asbestos fibers by their shape and unique optical properties.

Potential Significant Damage means circumstances in which:

1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.
2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.
3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

Regulated Asbestos-Containing Material (RACM), as defined in 40 CFR 61.141, means
(a) Friable asbestos material,
(b) Category I non-friable ACM that has become friable,
(c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or
(d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Renovation means altering a facility or one or more facility components in any way, including the stripping or removal of Regulated Asbestos Containing Materials (RACM) from a facility component. A renovation could be, but not limited to, any interior renovation or remodel not affecting load-supporting structural members or a roof replacement.

Significantly Damaged means 25% (or greater) localized damage or 10% (or greater) distributed damage.

Surfacing means any material that was sprayed-on or troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

Thermal Systems Insulation means material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Transmission Electron Microscopy means a method of microscopic analysis, which utilizes an electron beam that is focused onto a thin sample. As the beam penetrates (transmits) through the sample, the difference densities produces an image on a fluorescent screen from which samples can be identified and counted. Also used for analyzing air samples for asbestos.

Key to Common Asbestos Related Abbreviations

ACM ..... Asbestos-Containing Material

ACBM .....Asbestos-Containing Building Material

AHERA.....Asbestos Hazard Emergency Response Act

CFR .....Code of Federal Regulations

DOT .....Department of Transportation

EPA ..... Environmental Protection Agency

FR ..... Federal Register

HEPA ..... High Efficiency Particulate Air

HVAC ..... Heating, Ventilating and Air Conditioning Systems

IDPH ..... Illinois Department of Public Health

LEA .....Local Education Agency

MAP .....Model Accreditation Plan

NESHAP.....National Emission Standards for Hazardous Air Pollutants

NIOSH..... National Institute of Occupational Safety and Health

NIST .....National Institute for Standards and Technology

NVLAP .....National Voluntary Laboratory Accreditation Program

OSHA ..... Occupational Safety and Health Administration

PACM ..... Presumed Asbestos Containing Material

PCM ..... Phase Contrast Microscopy

PLM ..... Polarized Light Microscopy

RACM ..... Regulated Asbestos Containing Material

TEM ..... Transmission Electron Microscopy

TSI ..... Thermal Systems Insulation

TWA ..... Time Weighted Average

APPENDIX A

Asbestos Survey Analytical Summary

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/29/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: VA-Tramway

KEY:

MATERIAL TYPE: Thermal System Insulation (TSI), Surfacing Material (SM), Miscellaneous Material (MM)

CONDITION: 1-No damage 2-Slighly Damaged 3-Damaged 4-Significantly Damaged

ACCESSIBILITY: 1-Low 2-Medium 3-High

NAD - No Asbestos Detected

Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

2 = Damaged friable surfacing ACM.

3 = Significantly damaged friable surfacing ACM.

4 = Damaged or significantly damaged friable miscellaneous ACM.

5 = ACBM with potential for damage.

6 = ACBM with potential for significant damage.

7 = Any remaining friable ACBM or friable suspected ACBM.

HSA ID	MATERIAL TYPE	MATERIAL DESCRIPTION & DRAWING MAP INDICATOR SYMBOL	SAMPLE #	MATERIAL SAMPLE LOCATION	CONDITION				FRIABILITY		ACCESS			ASSESSMENT CATEGORY	ASBESTOS RESULTS	Quantity	Notes
					1	2	3	4	N	F	1	2	3				
CT1	MM	Ceiling tile, 2x2, fissured/holes	1	Tramway running between bldgs 135 and 133CA and entrance of bldg 6	X					X	X			5	NAD		
			2														
			3														
			4														
			5														
			6														
			7														
			8														
DIA	MM	Duct insulation adhesive	1	Closet #SR2	X				X			X		5	Chrysotile - 0.30%	50 sf	Per TEM report
			2												NAD		
			3												Chrysotile - 0.20%		Per TEM report
DW	MM	Drywall	1	Just outside bldg 66	X				X			X		5	NAD		
		Off-white texture plaster															
		Drywall	2														
		Off-white texture plaster															
		Drywall	3														
		Off-white texture plaster															
EWC	MM	Exterior window caulk	1	Throughout exterior of Tramway	X				X			X		5	NAD		
			2														
			3														
			4														
			5														
			6												Chrysotile - 1.30%		Per TEM report
			7												NAD		

Last Modified By: cwesthoff On: 12/13/11

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/29/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: VA-Tramway

KEY:

MATERIAL TYPE: Thermal System Insulation (TSI), Surfacing Material (SM), Miscellaneous Material (MM)

CONDITION: 1-No damage 2-Slighly Damaged 3-Damaged 4-Significantly Damaged

ACCESSIBILITY: 1-Low 2-Medium 3-High

NAD - No Asbestos Detected

Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

2 = Damaged friable surfacing ACM.

3 = Significantly damaged friable surfacing ACM.

4 = Damaged or significantly damaged friable miscellaneous ACM.

5 = ACBM with potential for damage.

6 = ACBM with potential for significant damage.

7 = Any remaining friable ACBM or friable suspected ACBM.

HSA ID	MATERIAL TYPE	MATERIAL DESCRIPTION & DRAWING MAP INDICATOR SYMBOL	SAMPLE #	MATERIAL SAMPLE LOCATION	CONDITION				FRIABILITY		ACCESS			ASSESSMENT CATEGORY	ASBESTOS RESULTS	Quantity	Notes
					1	2	3	4	N	F	1	2	3				
FT1	MM	Floor tile, 12x12, tan, square pattern Off-white mastic	1	Throughout Tramway		X			X				X	5	NAD		
		Floor tile, 12x12, tan, square pattern	2														
			3														
			4														
			5														
			6														
			7														
			8														
FS	MM	Fire stopping	1	Closets #'s SR9 and SR4	X				X			X		5	NAD		
			2														
			3														
GG1	MM	Glue globs, brown	1	Closet SR7	X				X			X		5	NAD		
			2														
			3														
GG2	MM	Glue globs, black	1	Closet SR2	X				X			X		5	Chrysotile - 7.90% Chrysotile - 4.00% Chrysotile - 6.20%	5 sf	Per TEM report
			2														
			3														
GG3	MM	Glue globs, grey	1	Closets #'s SR6 and SR3	X				X			X		5	NAD		
			2														
			3														

Last Modified By: cwesthoff On: 12/13/11

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/29/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: VA-Tramway

KEY:

MATERIAL TYPE: Thermal System Insulation (TSI), Surfacing Material (SM), Miscellaneous Material (MM)

CONDITION: 1-No damage 2-Slighly Damaged 3-Damaged 4-Significantly Damaged

ACCESSIBILITY: 1-Low 2-Medium 3-High

NAD - No Asbestos Detected

Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

2 = Damaged friable surfacing ACM.

3 = Significantly damaged friable surfacing ACM.

4 = Damaged or significantly damaged friable miscellaneous ACM.

5 = ACBM with potential for damage.

6 = ACBM with potential for significant damage.

7 = Any remaining friable ACBM or friable suspected ACBM.

HSA ID	MATERIAL TYPE	MATERIAL DESCRIPTION & DRAWING MAP INDICATOR SYMBOL	SAMPLE #	MATERIAL SAMPLE LOCATION	CONDITION				FRIABILITY		ACCESS			ASSESSMENT CATEGORY	ASBESTOS RESULTS	Quantity	Notes
					1	2	3	4	N	F	1	2	3				
IWC	MM	Interior window caulk	1	Throughout interior windows											NAD		
			2												Chrysotile - Trace		Detected @ <0.25%; Per TEM report
			3												NAD		
			4												Chrysotile - Trace		Detected @ <0.25%; Per TEM report
			5												NAD		
			6												Chrysotile - Trace		Detected @ <0.25%; Per TEM report
			7		X				X				X	5	NAD		
LC	MM	Leveling compound under FT1	1	Throughout Tramway	X				X			X		5	NAD		
		Off-white mastic															
		Leveling compound under FT1	2														
		Off-white mastic															
		Leveling compound under FT1	3														
		Off-white mastic															
		Leveling compound under FT1	4														
		Off-white mastic															
		Leveling compound under FT1	5														
		Off-white mastic															
		Leveling compound under FT1	6														
		Off-white mastic															
		Leveling compound under FT1	7														
		Off-white mastic															
		Leveling compound under FT1	8														
		Off-white mastic															
PC	TSI	Pipe caulk, grey	1	Closet SR3				X		X		X		1	NAD		
			2														
			3														

Last Modified By: cwesthoff On: 12/13/11

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/29/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: VA-Tramway

KEY:

MATERIAL TYPE: Thermal System Insulation (TSI), Surfacing Material (SM), Miscellaneous Material (MM)

CONDITION: 1-No damage 2-Slighly Damaged 3-Damaged 4-Significantly Damaged

ACCESSIBILITY: 1-Low 2-Medium 3-High

NAD - No Asbestos Detected

Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

2 = Damaged friable surfacing ACM.

3 = Significantly damaged friable surfacing ACM.

4 = Damaged or significantly damaged friable miscellaneous ACM.

5 = ACBM with potential for damage.

6 = ACBM with potential for significant damage.

7 = Any remaining friable ACBM or friable suspected ACBM.

HSA ID	MATERIAL TYPE	MATERIAL DESCRIPTION & DRAWING MAP INDICATOR SYMBOL	SAMPLE #	MATERIAL SAMPLE LOCATION	CONDITION				FRIABILITY		ACCESS			ASSESSMENT CATEGORY	ASBESTOS RESULTS	Quantity	Notes
					1	2	3	4	N	F	1	2	3				
PF	TSI	Pipe fittings on fiberglass	1	Above plaster ceilings in closets	X					X		X		5	NAD		
			2														
			3														
PL	MM	White texture plaster	1	Throughout	X				X				X		NAD		
		Tan plaster															
		White texture plaster	2														
		Tan plaster															
		White texture plaster	3														
		Tan plaster															
		White texture plaster	4														
		Tan plaster															
		White texture plaster	5														
		Tan plaster															
		White texture plaster	6														
		Tan plaster															
		White texture plaster	7														
		Tan plaster															
		White texture plaster	8														
		Tan plaster															

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/29/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: VA-Tramway

KEY:

MATERIAL TYPE: Thermal System Insulation (TSI), Surfacing Material (SM), Miscellaneous Material (MM)

CONDITION: 1-No damage 2-Slighly Damaged 3-Damaged 4-Significantly Damaged

ACCESSIBILITY: 1-Low 2-Medium 3-High

NAD - No Asbestos Detected

Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

2 = Damaged friable surfacing ACM.

3 = Significantly damaged friable surfacing ACM.

4 = Damaged or significantly damaged friable miscellaneous ACM.

5 = ACBM with potential for damage.

6 = ACBM with potential for significant damage.

7 = Any remaining friable ACBM or friable suspected ACBM.

HSA ID	MATERIAL TYPE	MATERIAL DESCRIPTION & DRAWING MAP INDICATOR SYMBOL	SAMPLE #	MATERIAL SAMPLE LOCATION	CONDITION				FRIABILITY		ACCESS			ASSESSMENT CATEGORY	ASBESTOS RESULTS	Quantity	Notes
					1	2	3	4	N	F	1	2	3				
TC	MM	Textured wall coating over cinder block	1	Tramway south of bldg 6 entrance		X				X			X	6	NAD		
			2														
			3														
			4														
			5														
			6														
			7														
			8														
VB1	MM	Vinyl baseboard, 6", tan	1	Just outside of entrance to bldg 6 and mens restroom	X				X				X	5	NAD		
		Tan plaster															
		Vinyl baseboard, 6", tan	2														
		Tan plaster															
		Vinyl baseboard, 6", tan	3														
		Tan plaster															
VD	MM	Vibration damper	1	Closet #'s SR4, SR6, SR7, and SR9	X				X				X	5	NAD		
			2														
			3														
WG	MM	Window glazing	1	Tramway south of bldg 6 entrance	X				X				X	5	NAD	10 sf	
			2												Chrysotile - 7.70%		Per TEM report
			3												Chrysotile - 18.40%		
			4												NAD		
			5														
			6														

Last Modified By: cwesthoff On: 12/13/11

APPENDIX B

Asbestos Laboratory Results, Laboratory Certification and Chain-of-Custody

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416797 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416797 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram FT1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416798 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416799 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416800 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416801 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416802 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416803 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416804 **Description / Location:** Lt Tan Floor Tile; 12x12
Client No.: VAtram FT1-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416805 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416805 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416806 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416806 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416807 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416807 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416808 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416808 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416809 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416809 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416810 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416810 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416811 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416811 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416812 **Description / Location:** Lt Grey Leveling Compound Under FT1
Client No.: VAtram LC-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416812 **Description / Location:** Off-White Mastic **Layer No.:** 2
Client No.: VAtram LC-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416813 **Description / Location:** Black Fibrous
Client No.: VAtram VD-1 Vibration Damper

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 4416814 **Description / Location:** Black Fibrous
Client No.: VAtram VD-2 Vibration Damper

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416815 **Description / Location:** Black Fibrous
Client No.: VAtram VD-3 Vibration Damper

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 4416816 **Description / Location:** Red Caulk; Fire Stopping
Client No.: VAtram FS-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 4416817 **Description / Location:** Red Caulk; Fire Stopping
Client No.: VAtram FS-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 4416818 **Description / Location:** Red Caulk; Fire Stopping
Client No.: VAtram FS-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416819 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416820 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416821 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416822 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416823 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416824 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416825 **Description / Location:** Black Window Caulk
Client No.: VAtram IWC-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416826 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416826 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416827 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416827 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416828 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416828 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416829 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416829 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416830 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416830 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416831 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416831 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416832 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416832 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416833 **Description / Location:** White Texture Plaster
Client No.: VAtram PL-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416833 **Description / Location:** Tan Plaster **Layer No.:** 2
Client No.: VAtram PL-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416834 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416835 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416836 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416837 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416838 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416839 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416840 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 4416841 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VAtram CT1-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416842 **Description / Location:** LT Tan Baseboard; 6"
Client No.: VAtram VB1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416842 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VAtram VB1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416843 **Description / Location:** LT Tan Baseboard; 6"
Client No.: VAtram VB1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416843 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VAtram VB1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416844 **Description / Location:** LT Tan Baseboard; 6"
Client No.: VAtram VB1-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416844 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VAtram VB1-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416845 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-1 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416846 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-2 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416847 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-3 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416848 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-4 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416849 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-5 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416850 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-6 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416851 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-7 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416852 **Description / Location:** Tan Wall Texture
Client No.: VAtram TC-8 Over Cinder Block

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416853 **Description / Location:** Brown Mastic
Client No.: VAtram GG-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416854 **Description / Location:** Brown Mastic
Client No.: VAtram GG-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416855 **Description / Location:** Brown Mastic
Client No.: VAtram GG-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416856 **Description / Location:** White/Grey Insulation
Client No.: VAtram PF-1 Pipe Caulk

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	75
		20	Mineral Wool	

Lab No.: 4416857 **Description / Location:** Grey Insulation
Client No.: VAtram PF-2 Pipe Caulk

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	75
		20	Mineral Wool	

Lab No.: 4416858 **Description / Location:** Grey Insulation
Client No.: VAtram PF-3 Pipe Caulk

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	45
		50	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416859 **Description / Location:** Dk Brown Mastic
Client No.: VAtram GG2-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416860 **Description / Location:** Dk Brown Mastic
Client No.: VAtram GG2-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416861 **Description / Location:** Dk Brown Mastic
Client No.: VAtram GG2-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416862 **Description / Location:** Dk Brown Mastic
Client No.: VAtram DIA-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Fibrous Glass	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416863 **Description / Location:** Dk Brown Mastic
Client No.: VAtram DIA-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Fibrous Glass	100

Lab No.: 4416864 **Description / Location:** Dk Brown Mastic
Client No.: VAtram DIA-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Fibrous Glass	100

Lab No.: 4416865 **Description / Location:** Dk Grey Cementitious
Client No.: VAtram GG3-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Note: Different material than indicated on Sample Log / Description.

Lab No.: 4416866 **Description / Location:** Dk Grey Cementitious
Client No.: VAtram GG3-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Note: Different material than indicated on Sample Log / Description.

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416867 **Description / Location:** Dk Grey Cementitious
Client No.: VAtram GG3-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Note: Different material than indicated on Sample Log / Description.

Lab No.: 4416868 **Description / Location:** Lt Grey Caulk
Client No.: VAtram PC-1 Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416869 **Description / Location:** Lt Grey Caulk
Client No.: VAtram PC-2 Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416870 **Description / Location:** Lt Grey Caulk
Client No.: VAtram PC-3 Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416871 **Description / Location:** Tan/Off-White Sheetrock
Client No.: VAtram DW-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	78
		2	Fibrous Glass	

Lab No.: 4416871 **Description / Location:** Off-White Texture Plaster **Layer No.:** 2
Client No.: VAtram DW-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416872 **Description / Location:** Tan/Off-White Sheetrock
Client No.: VAtram DW-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	88
		2	Fibrous Glass	

Lab No.: 4416872 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: VAtram DW-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416873 **Description / Location:** Tan/Off-White Sheetrock
Client No.: VAtram DW-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	88
		2	Fibrous Glass	

Lab No.: 4416873 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: VAtram DW-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416874 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416875 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

ATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416876 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416877 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416878 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416879 **Description / Location:** Lt Grey Window Glazing
Client No.: VAtram WG-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416880 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-1 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416881 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-2 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416882 **Description / Location:** Black Caulk
Client No.: VAtram EWC-3 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Synthetic	98

Lab No.: 4416883 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-4 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Synthetic	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 9/3/2011
Report No: 251188
Project: CptJamesALovellFHCC;Tramway
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4416884 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-5 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416885 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-6 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 4416886 **Description / Location:** Dk Brown Caulk
Client No.: VAtram EWC-7 Exterior Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC–Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date: 9/3/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416797A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-1

Organic Fraction:	70.1 %	
Gravimetrically Reduced Subsample:	29.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	29.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Approved By:

Date: 10/15/2011

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416797B **Description / Location:** Off-White Mastic

Client No.: VAtram FT1-1

Organic Fraction:	63.4 %	
Gravimetrically Reduced Subsample:	36.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	36.6 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416798A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-2

Organic Fraction:	97.2 %	
Gravimetrically Reduced Subsample:	2.80 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	2.80 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416799A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-3

Organic Fraction:	87.1 %	
Gravimetrically Reduced Subsample:	12.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	12.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416800A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-4

Organic Fraction:	93.8 %	
Gravimetrically Reduced Subsample:	6.20 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	6.20 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416801A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-5

Organic Fraction:	89.8 %	
Gravimetrically Reduced Subsample:	10.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.2 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416802A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-6

Organic Fraction:	96.7 %	
Gravimetrically Reduced Subsample:	3.30 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	3.30 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL **International Asbestos Testing Laboratories**

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416803A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-7

Organic Fraction:	81.0 %	
Gravimetrically Reduced Subsample:	19.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	19.0 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416804A **Description / Location:** Lt.Tan Floor Tile;12x12

Client No.: VAtram FT1-8

Organic Fraction:	96.7 %	
Gravimetrically Reduced Subsample:	3.30 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	3.30 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416805B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-1

Organic Fraction:	75.4 %	
Gravimetrically Reduced Subsample:	24.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	Trace	Other
Percent Non-Fibrous Material:	24.6 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416806B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-2

Organic Fraction:	81.2 %	
Gravimetrically Reduced Subsample:	18.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	Trace	Other
Percent Non-Fibrous Material:	18.8 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416807B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-3

Organic Fraction:	80.3 %	
Gravimetrically Reduced Subsample:	19.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	19.7 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416808B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-4

Organic Fraction:	80.0 %	
Gravimetrically Reduced Subsample:	20.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	20.0 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416809B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-5

Organic Fraction:	80.9 %	
Gravimetrically Reduced Subsample:	19.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	0.400 %	Other
Percent Non-Fibrous Material:	18.7 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416810B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-6

Organic Fraction:	86.1 %	
Gravimetrically Reduced Subsample:	13.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	0.400 %	Other
Percent Non-Fibrous Material:	13.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416811B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-7

Organic Fraction:	79.4 %	
Gravimetrically Reduced Subsample:	20.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	0.400 %	Other
Percent Non-Fibrous Material:	20.2 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416812B **Description / Location:** Off-White Mastic

Client No.: VAtram LC-8

Organic Fraction:	79.8 %	
Gravimetrically Reduced Subsample:	20.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	20.2 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416816A
Client No.: VAtram FS-1

Description / Location: Red Caulk
Fire Stopping

Organic Fraction:	80.7 %	
Gravimetrically Reduced Subsample:	19.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	19.3 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416817A
Client No.: VAtram FS-2

Description / Location: Red Caulk
Fire Stopping

Organic Fraction:	80.7 %	
Gravimetrically Reduced Subsample:	19.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	19.3 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416818A
Client No.: VAtram FS-3

Description / Location: Red Caulk
Fire Stopping

Organic Fraction:	79.2 %	
Gravimetrically Reduced Subsample:	20.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	20.8 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416819A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-1

Organic Fraction:	97.6 %	
Gravimetrically Reduced Subsample:	2.40 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	2.40 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416820A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-2

Organic Fraction:	89.4 %	
Gravimetrically Reduced Subsample:	10.6 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.6 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416821A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-3

Organic Fraction:	95.8 %	
Gravimetrically Reduced Subsample:	4.20 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	4.20 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416822A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-4

Organic Fraction:	94.5 %	
Gravimetrically Reduced Subsample:	5.50 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	5.50 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416823A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-5

Organic Fraction:	94.4 %	
Gravimetrically Reduced Subsample:	5.60 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	5.60 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416824A **Description / Location:** Black Window Caulk

Client No.: VAtram IWC-6

Organic Fraction:	92.8 %	
Gravimetrically Reduced Subsample:	7.20 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	7.20 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416842A **Description / Location:** Lt.Tan Baseboard;6"

Client No.: VAtram VB1-1

Organic Fraction:	98.8 %	
Gravimetrically Reduced Subsample:	1.20 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	1.20 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416842B **Description / Location:** Tan Mastic

Client No.: VAtram VB1-1

Organic Fraction:	73.9 %	
Gravimetrically Reduced Subsample:	26.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	26.1 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416843A **Description / Location:** Lt.Tan Baseboard;6"

Client No.: VAtram VB1-2

Organic Fraction:	80.9 %	
Gravimetrically Reduced Subsample:	19.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	19.1 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416843B **Description / Location:** Tan Mastic

Client No.: VAtram VB1-2

Organic Fraction:	73.1 %	
Gravimetrically Reduced Subsample:	26.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	26.9 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416844A **Description / Location:** Lt.Tan Baseboard;6"

Client No.: VAtram VB1-3

Organic Fraction:	85.4 %	
Gravimetrically Reduced Subsample:	14.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	14.6 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416844B **Description / Location:** Tan Mastic

Client No.: VAtram VB1-3

Organic Fraction:	66.8 %	
Gravimetrically Reduced Subsample:	33.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	33.2 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416853A **Description / Location:** Brown Mastic

Client No.: VAtram GG-1

Organic Fraction:	73.5 %	
Gravimetrically Reduced Subsample:	26.5 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	26.5 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416854A **Description / Location:** Brown Mastic

Client No.: VAtram GG-2

Organic Fraction:	74.5 %	
Gravimetrically Reduced Subsample:	25.5 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	25.5 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416855A **Description / Location:** Brown Mastic

Client No.: VAtram GG-3

Organic Fraction:	72.8 %	
Gravimetrically Reduced Subsample:	27.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	27.2 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416859A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram GG2-1

Organic Fraction:	60.7 %	
Gravimetrically Reduced Subsample:	39.3 %	
Percent Asbestos Detected:	7.90 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	31.4 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416860A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram GG2-2

Organic Fraction:	60.2 %	
Gravimetrically Reduced Subsample:	39.8 %	
Percent Asbestos Detected:	4.00 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	35.8 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416861A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram GG2-3

Organic Fraction:	59.0 %	
Gravimetrically Reduced Subsample:	41.0 %	
Percent Asbestos Detected:	6.20 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	34.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416862A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram DIA-1

Organic Fraction:	90.4 %	
Gravimetrically Reduced Subsample:	9.60 %	
Percent Asbestos Detected:	0.300 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	9.30 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416863A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram DIA-2

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material: Re-Prep Required Results Pending

Percent Non-Fibrous Material:

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416864A **Description / Location:** Dk.Brown Mastic

Client No.: VAtram DIA-3

Organic Fraction:	95.9 %	
Gravimetrically Reduced Subsample:	4.10 %	
Percent Asbestos Detected:	0.200 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	3.90 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416868A
Client No.: VAtram PC-1

Description / Location: Lt.Grey Caulk
Pipe

Organic Fraction:	89.2 %	
Gravimetrically Reduced Subsample:	10.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.8 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416869A
Client No.: VAtram PC-2

Description / Location: Lt.Grey Caulk
Pipe

Organic Fraction:	91.8 %	
Gravimetrically Reduced Subsample:	8.20 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	8.20 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416870A
Client No.: VAtram PC-3

Description / Location: Lt.Grey Caulk
Pipe

Organic Fraction:	89.7 %	
Gravimetrically Reduced Subsample:	10.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.3 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416874A
Client No.: VAtram WG-1

Description / Location: Lt.Grey Window Glazing

Organic Fraction:	41.2 %	
Gravimetrically Reduced Subsample:	58.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	5.90 %	Other
Percent Non-Fibrous Material:	52.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416875A
Client No.: VAtram WG-2

Description / Location: Lt.Grey Window
Glazing

Organic Fraction:	70.0 %	
Gravimetrically Reduced Subsample:	30.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	1.50 %	Other
Percent Non-Fibrous Material:	28.5 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416876A
Client No.: VAtram WG-3

Description / Location: Lt.Grey Window
Glazing

Organic Fraction:	61.5 %	
Gravimetrically Reduced Subsample:	38.5 %	
Percent Asbestos Detected:	7.70 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	1.90 %	Other
Percent Non-Fibrous Material:	28.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416877A
Client No.: VAtram WG-4

Description / Location: Lt.Grey Window
Glazing

Organic Fraction:	8.20 %	
Gravimetrically Reduced Subsample:	91.8 %	
Percent Asbestos Detected:	18.4 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	4.60 %	Other
Percent Non-Fibrous Material:	68.9 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416878A
Client No.: VAtram WG-5

Description / Location: Lt.Grey Window Glazing

Organic Fraction:	66.2 %	
Gravimetrically Reduced Subsample:	33.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	3.40 %	Other
Percent Non-Fibrous Material:	30.4 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416879A
Client No.: VAtram WG-6

Description / Location: Lt.Grey Window
Glazing

Organic Fraction:	66.7 %	
Gravimetrically Reduced Subsample:	33.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	1.70 %	Other
Percent Non-Fibrous Material:	31.6 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416880A
Client No.: VAtram EWC-1

Description / Location: Dk.Brown Caulk Exterior Window

Organic Fraction:	92.6 %	
Gravimetrically Reduced Subsample:	7.40 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	7.40 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416881A
Client No.: VAtram EWC-2

Description / Location: Dk.Brown Caulk Exterior Window

Organic Fraction:	94.2 %	
Gravimetrically Reduced Subsample:	5.80 %	
Percent Asbestos Detected:	0.100 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	5.70 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416882A
Client No.: VAtram EWC-3

Description / Location: Black Caulk
Exterior Window

Organic Fraction:	89.8 %	
Gravimetrically Reduced Subsample:	10.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.2 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416883A
Client No.: VAtram EWC-4

Description / Location: Dk.Brown Caulk Exterior Window

Organic Fraction:	96.0 %	
Gravimetrically Reduced Subsample:	4.00 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	4.00 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416884A
Client No.: VAtram EWC-5

Description / Location: Dk.Brown Caulk Exterior Window

Organic Fraction:	95.2 %	
Gravimetrically Reduced Subsample:	4.80 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	4.80 %	Other

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416885A
Client No.: VAtram EWC-6

Description / Location: Dk.Brown Caulk Exterior Window

Organic Fraction:	93.6 %	
Gravimetrically Reduced Subsample:	6.40 %	
Percent Asbestos Detected:	1.30 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	5.10 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/15/2011
Report No.: 251510
Project: CptJamesALovellFHCC;Tramway
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114416886A
Client No.: VAtram EWC-7

Description / Location: Dk.Brown Caulk
Exterior Window

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material: Re-Prep Required Results Pending

Percent Non-Fibrous Material:

Comments: Note: Insufficient material (<100mg) to verify results.

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: R. Shumate

Date: 10/15/2011

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

June 14, 2010

Mr. Frank E. Ehrenfeld, III
International Asbestos Testing Labs
9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054

NVLAP Lab Code: 101165-0

Dear Mr. Ehrenfeld:

I am pleased to inform you that continuing accreditation for specific test methods in Bulk Asbestos Fiber Analysis (PLM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2011, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP symbol and/or term in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Hazel M. Richmond, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

Sally S. Bruce

Sally S. Bruce, Chief
Laboratory Accreditation Program

Enclosure(s)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

International Asbestos Testing Laboratories

Mt. Laurel, NJ

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 Communique dated January 2009).

2010-07-01 through 2011-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

International Asbestos Testing Laboratories
9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Mr. Frank E. Ehrenfeld, III
Phone: 856-231-9449 Fax: 856-231-9818
E-Mail: frankehrenfeld@iatl.com
URL: http://www.iatl.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 101165-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2010-07-01 through 2011-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

June 30, 2011

Mr. Frank E. Ehrenfeld, III
International Asbestos Testing Labs
9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054

NVLAP Lab Code: 101165-0

Dear Mr. Ehrenfeld:

I am pleased to inform you that continuing accreditation for specific test methods in Bulk Asbestos Fiber Analysis (PLM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2012, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP symbol and/or term in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Hazel M. Richmond, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

Sally S. Bruce

Sally S. Bruce, Chief
Laboratory Accreditation Program

Enclosure(s)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

International Asbestos Testing Laboratories

Mt. Laurel, NJ

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 Communique dated January 2009).

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

NVLAP® **National Voluntary Laboratory Accreditation Program**

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

International Asbestos Testing Laboratories
9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Mr. Frank E. Ehrenfeld, III
Phone: 856-231-9449 Fax: 856-231-9818
E-Mail: frankehrenfeld@iatl.com
URL: http://www.iatl.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 101165-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2011-07-01 through 2012-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Tramway

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company:	Tropical Environmental, Inc.	**Project Name/#:**	Captain James A Lovell FHCC
Office Phone:	(224) 569-3277	**Primary Contact:**	Mark S Haines
Cell Phone:	(224) 623-2720	**Facility Location:**	North Chicago, IL
Email Address:	info@tropicalenvironmental.com	**Fax Number:**	(224) 569-3278

PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 / R 93-116
- ☒ PLM: Point Counting
  - ☒ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points *
  - ☐ PC: 1600 Points *
- ☐ PLM: Analyze Until Positive (Positive Stop)
- ☐ AUP: by Homogenous Area as Noted
- ☐ AUP: by Material Type as Noted
- ☐ PLM: Non-Building Material*, ** (Dust, Wipe, Tape, Soil)
  - ☐ Soil or Vermiculite Analysis*, **
- ☒ PLM: Gravimetric Reduction
  - ☐ PLM: NOB via 198.1
  - ☐ PLM: Friable via EPA 600 2.3
  - ☒ If <1% by PLM, to TEM via 198.4 *
  - ☐ If <1% by PLM, Hold for Instructions
- ☒ PLM: Instructions for Multi-Layered Samples
  - ☒ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer

Turn Around Time: One Week

** Additional charge and turnaround may be required* *** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory*

Sampling Date: 8/29/11

Atram

Client Sample #	iATL #	Location/Description	Notes
FT1(1-8)		Floor tile, 12x12, tan, square pattern	
LC(1-8)		Leveling compound under FT1	
VD(1-3)		Vibration damper, green	
FS(1-3)		Fire stopping	
WC(1-7)		Window caulk	
PL(1-8)		Plaster	

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Tramway

Chain of Custody

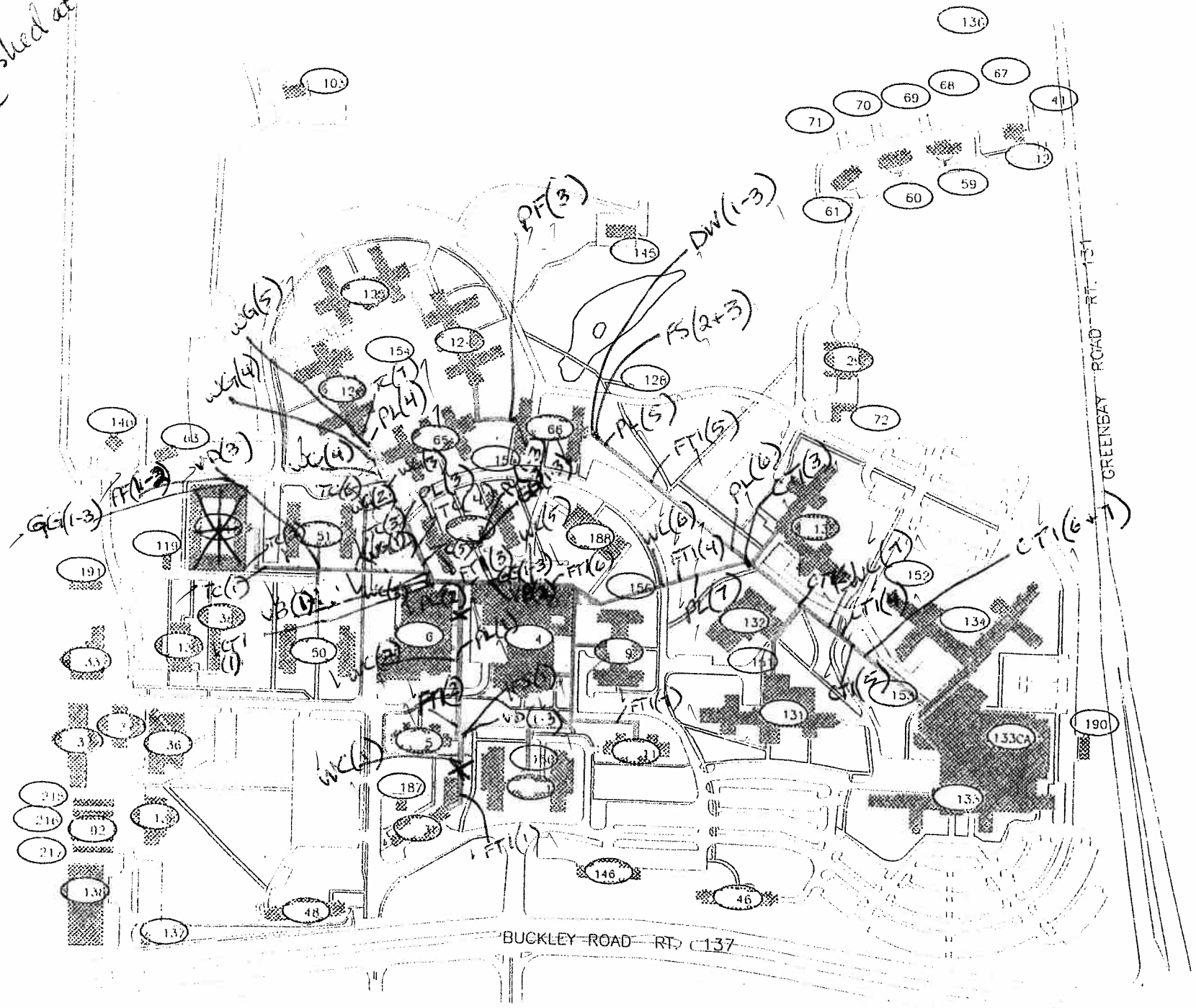
–Bulk Asbestos Sample Log –

Client: Tropical Environmental, Inc Project: James A Lovell FHCC

VA tram

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
CTI(1-8)		Ceiling tile, 2x2, fissured/holes	
VBI(1-3)		Vinyl baseboard, 6", tan	
TC(1-8)		Textured wall coating, over cinder block	
GG1(1-3)		Glue globs, brown	
PF(1-3)		Pipe fittings on fiberglass	
GG2(1-3)		Glue globs, black	
DIA(1-3)		Duct insulation adhesive	
GG3(1-3)		Glue globs, gray	
PC(1-3)		Pipe caulk, gray	
DW(1-3)		Drywall	
WG(1-6)		Window glazing	
EWC(1-7)		Exterior Window caulk	

Bldg 64 demolished at time of inspection



LOCATION PLAN

Firedoors throughout

Tramway

- x (~~IIII~~ III) FT1 - Floor tile, 12x12, tan square pattern
- x (~~IIII~~ III) LC - Leveling compound
- x (III) VD - Vibration damper, green (two in each) - in rm SR9 by bldg 5, (also SR2, closet @ bldgs 50+51, maint. hall @ green circle #6 SR6, SR4, SR7,
- x III FS - Fire stopping - in rm SR9 by bldg 5 + SR4,
- x (~~IIII~~ II) WC - Window caulk - throughout tramway
- x (~~IIII~~ III) PL - Plaster
- x III (~~IIII~~) CT1 - Ceiling tile, 2x2, fiss / holes @ entrance of bldg 6
- x (III) VB1 - Vinyl baseboard, 6", tan @ exit outside of bldg 6 + mens rm @ same
- x (~~IIII~~ III) TC - Textured wall coating - over cinder block between 119 + 4 / 23 - bldgs
- x (III) GG - Glue globs brown - in closet by bldgs 50 + 51 (+SR7 @ bldg 9) - on air handling uni
- x (III) PF - Pipe fittings on fiberglass - in closet by bldgs 50 + 51
- x (III) GG2 - Glue globs black - in closet SR2
- ~~CC - Canvas & cloth~~
- x (III) DIA - Duct insulation adhesive - in closet SR2
- x (III) GG3 - Glue globs, gray - in maint. hall @ green circle #6 (SR-3) + SR6
- x (III) PC - Pipe caulk, gray sig. damaged - " " " "
- x (III) DW - Drywall - just outside bldg 66
- x (~~IIII~~) WG - Window glazing - tram between Bldgs 6 + 126
- (~~IIII~~ II) EWC - Exterior window caulk

APPENDIX C

Tropical Employee Certification

Occupational Training & Supply, Inc.

7233 Adams Street • Willowbrook, IL 60527 • (630) 655-3900

Mark S. Haines

has successfully completed the 4 hour Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health and the Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Asbestos Building Inspector Refresher

Course Date: 1/7/2011
Expiration Date: 1/7/2012

Exam Date: 1/7/2011
Certificate: BIR1101070052

Kathy DeSalvo

Kathy DeSalvo, Director

2011

Illinois Department of PUBLIC HEALTH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - [redacted]	1/11/2011	05/15/2012

[redacted] S HAINES
10976 FAIRBLUFF AVE
HUNTLEY, IL 60142

Environmental Health

ENDORSEMENTS	TC EXPIRES
SUPERVISOR/WORKER	9/10/2011
INSPECTOR	1/7/2012
PROJECT MANAGER	9/10/2011
AIR SAMPLING PROFESSIONAL	

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

Tropical Environmental, Inc.
10976 Fairbluff Ave.
Huntley, IL 60142
(224) 569-3277 (224) 569-3278 fax

Respirator Qualitative Fit Test Form

Name: MARK S. HAINES SSN: 336-50-5093

On this date: 9/24/10

(Circle one) Passed Failed Was not tested

(Explain reason for failure or why not tested)

Respirator Type: Circle one)

Half mask Full Face PAPR

Brand: 3M

Model: 6300

(Circle one) Small Medium Large

Agent used for Fit Test: (Circle one)

Irritant Smoke Bitrex Saccharin Banana Oil

Signatures:

Person fit tested: [signature]

Person conducting fit test: [signature]

Illinois Department of
PUBLIC HEALTH

ASBESTOS
PROFESSIONAL
LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 07366	2/17/2011	05/15/2013

TERRI L LEWIS
800 E ROMEO ROAD
LOCKPORT, IL 60441

Environmental Health

ENDORSEMENTS	TC EXPIRES
INSPECTOR	1/6/2012
PROJECT MANAGER AIR SAMPLING PROFESSIONAL	6/9/2011

Alteration of this license shall result in legal action

This license issued under authority of the State of Illinois Department of Public Health

This license is valid only when accompanied by a valid training course certificate.

Environmental Design International inc.

Terri Lewis

350-60-3441

Has successfully completed the 24 hour course and has passed the exam with a score of at least 70%. This 24 hour course is accredited by the Illinois Department of Public Health for purposes of accreditation in accordance with 32 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II. Training provided by Environmental Design International inc., Hillside, IL (708) 449-0800.

Asbestos Inspector Initial

Course Date	Exam Date	Expiration Date	Unique Certificate #
November 24-26, 1997	November 26, 1997	November 26, 1998	EDI-01-000-08

Victor Crivello
Trainer

Environmental Design International inc.
4415 West Harrison Street, Suite 530
Hillside, IL 60162
(708) 449-0800

AMERISAFE INC.

Asbestos Building Inspector Refresher

THIS CERTIFIES THAT

Terri Lewis

Has successfully completed the IL & IN Approved Asbestos Training Course and passed the Examination for purposes of accreditation under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by the Amerisafe Training Services, 3990 Enterprise Court, Aurora IL 60504. (630) 862-2650

CLASS DATES: 1/6/2011

LOCATION: Amerisafe

EXAMINATION: 1/6/2011

EXPIRATION: 1/6/2012

CERTIFICATE NUMBER: 105743X02S000593

RECORD OF RESPIRATOR FIT TEST

Employee's Name: Terri Lewis DATE: 1/6/11

☐ Initial Fit Test ☐ Semi-Annual Fit Test Recheck

I understand that the fit test will involve:

1. Donning a respirator which may make my breathing more difficult.
2. Being exposed to irritant smoke if the respirator does not fit properly or is faulty.
3. Jogging in place, increasing my physical stress.

To my knowledge I have no cardiovascular conditions that would put me in danger. I am not aware of any pulmonary conditions or allergies to irritant smoke (stannic oxychloride).

The following have been discussed with me:

1. The nature of the respiratory hazard.
2. Why engineering controls cannot be used in place of respiratory equipment.
3. The reasons why I must wear the respirator, and the disciplinary actions that will be taken for intentional incorrect wear.
4. What type of respirator is chosen for particular hazards.
5. The limitations and capabilities of each respirator.
6. Purpose of the medical evaluation to determine authorization for respirator use.
7. The conditions that prevent a good face seal.
8. The necessity of wearing the respirator as instructed, without modification.
9. Recognizing and handling emergency situations when wearing a respirator.

I have been instructed in the following:

1. How to wear a respirator.
2. How to adjust the respirator.
3. How to determine a proper fit (pressure fit-test), to fit-check the respirator each time I put it on, and to have it refitted every 6 months or more often as necessary.
4. How to inspect the respirator.
5. How to clean the respirator.
6. How to store the respirator.

I have received training in and understand the above items concerning respirator use, care and inspection. I consent to submit to this fit test at my own risk and acknowledge fit testing of the respirator(s) listed. The respirator assigned to me is designated by an * in the Pass/Fail column.

RESPIRATOR BRAND	MODEL	FIT TEST DATE	SIZE	PASS/FAIL
North	½ face	1/6/11	S (M) L	(P) F
			S M L	P F
			S M L	P F

Terri Lewis
Employee Signature

1/6/11
Date

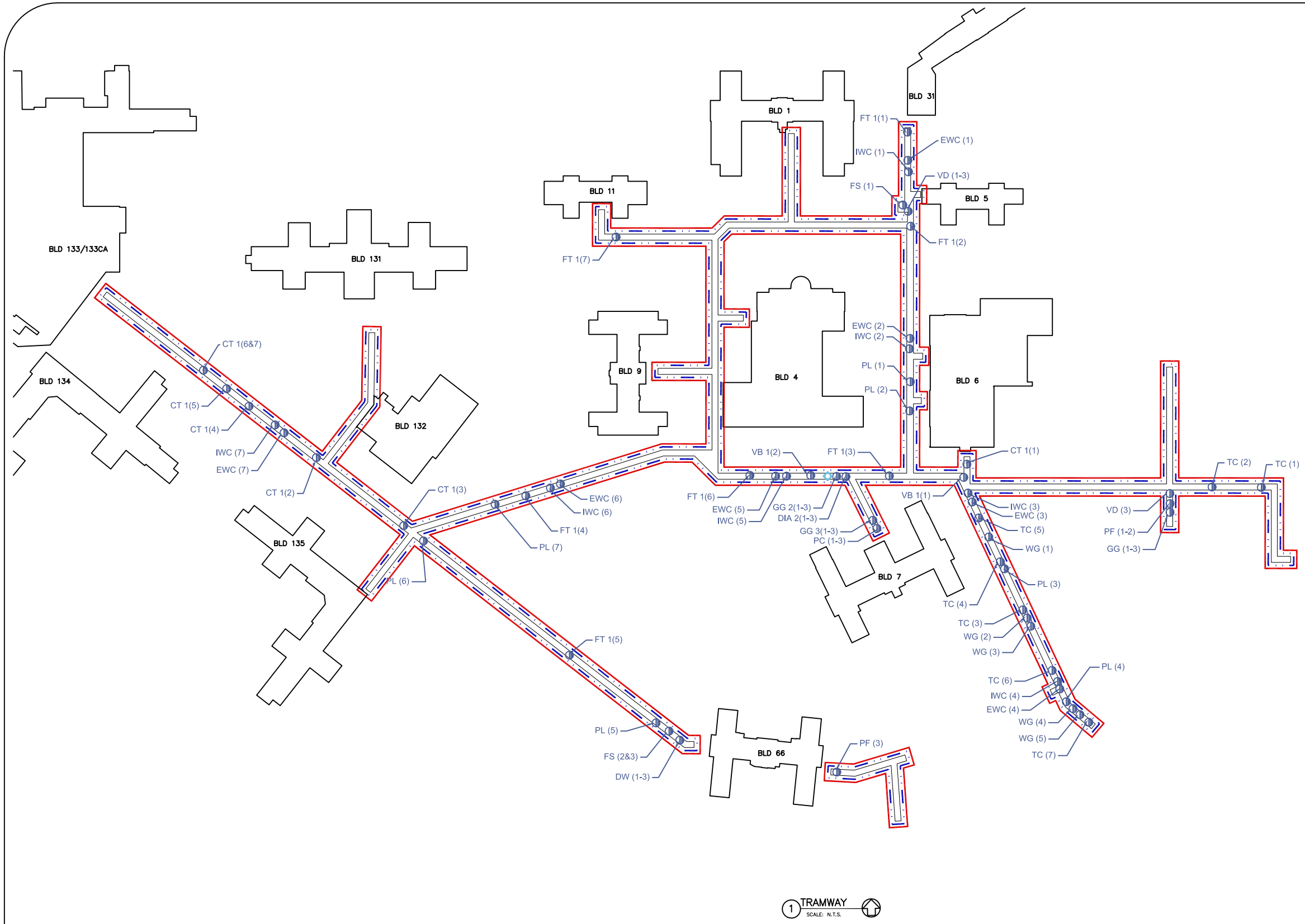
Fitter

1.6.11
Date

APPENDIX D

Material/Sample Location

L:\1686 Tropical Environmental\004 N Chicago VA\CADD\Tramway\1686.004-Tramway.dwg 12/7/2011 2:48 PM
PLOT DATE: 12/16/2011 7:35 AM PLOTTED BY: MISTY THOMPSON



LEGEND

SYMBOL	DESCRIPTION
◑	SAMPLE LOCATION
ASBESTOS CONTAINING MATERIAL (ACM)	
═══	WINDOW CAULK,EXTERIOR
═ ═ ═	WINDOW GLAZING, INTERIOR
◇	GLUE GLOBS, BROWN

1 TRAMWAY
SCALE: N.T.S.

TRAMWAY

Environmental Design International inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312)345-0529
www.envdesigni.com
Excellence, Dedication, Innovation

CLIENT: TROPICAL ENVIRONMENTAL, INC.

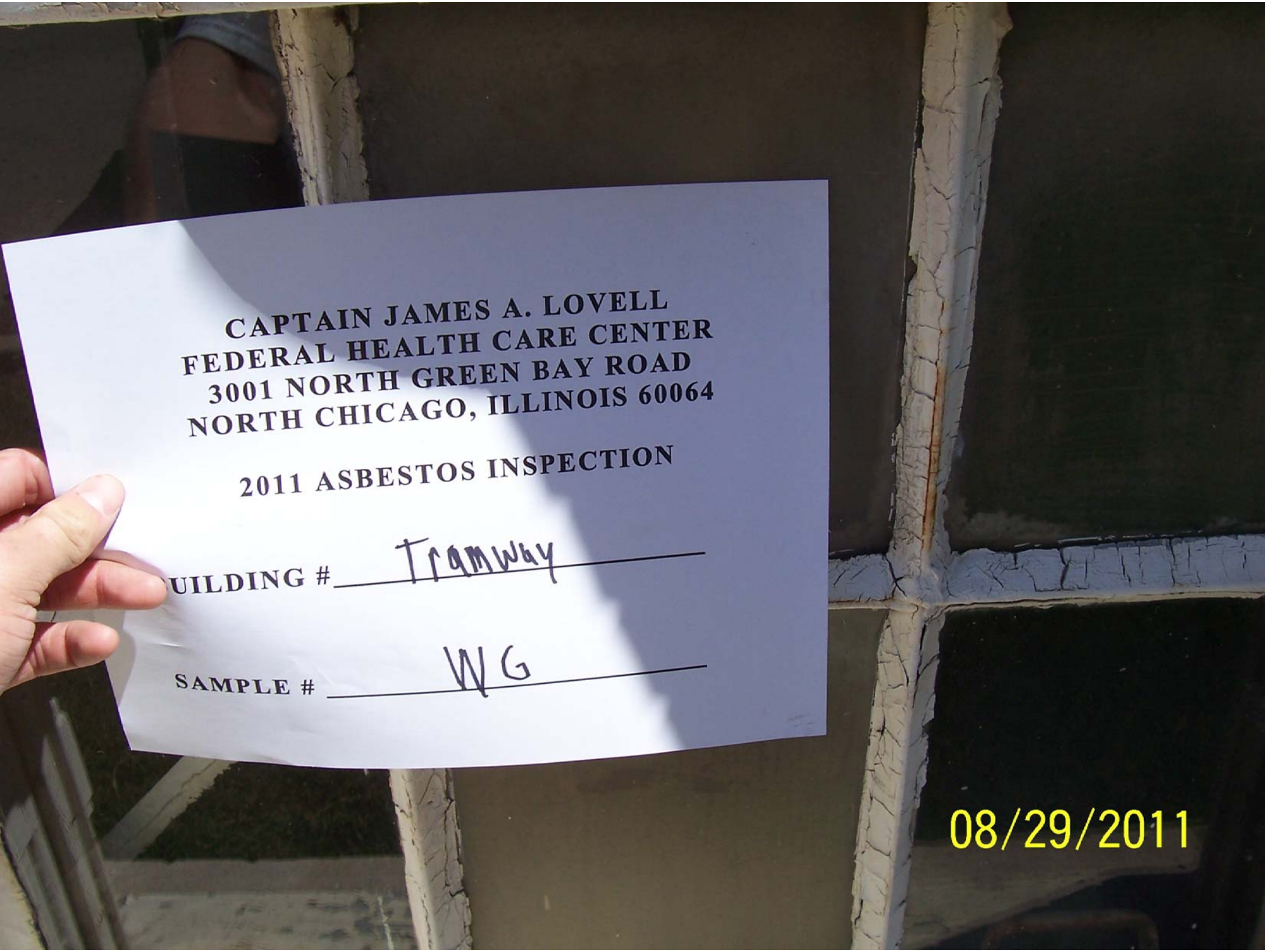
PROJECT: DEPARTMENT OF VETERANS AFFAIRS/ACM INVENTORY - JAMES A. LOVELL FHCC

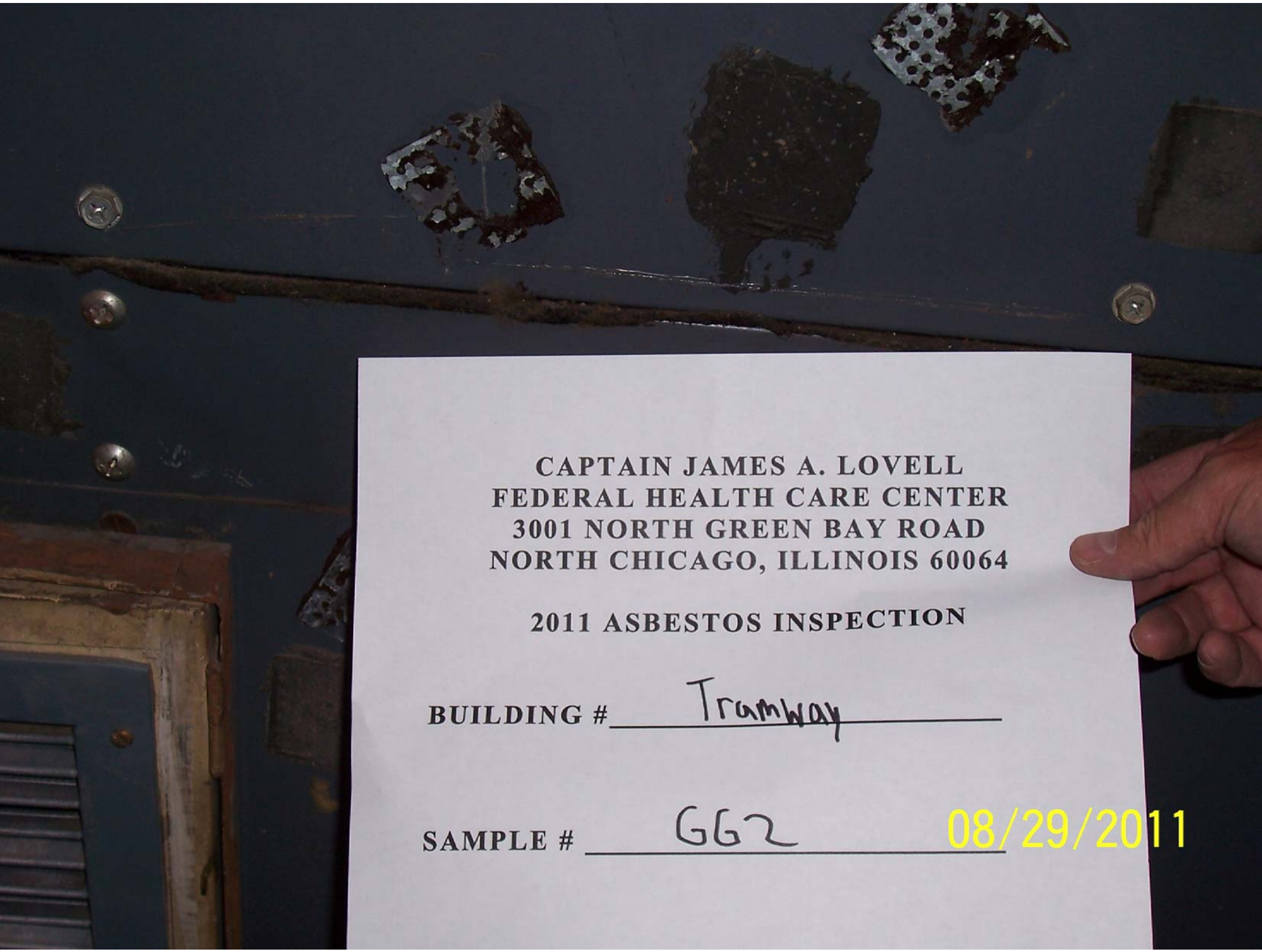
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001224

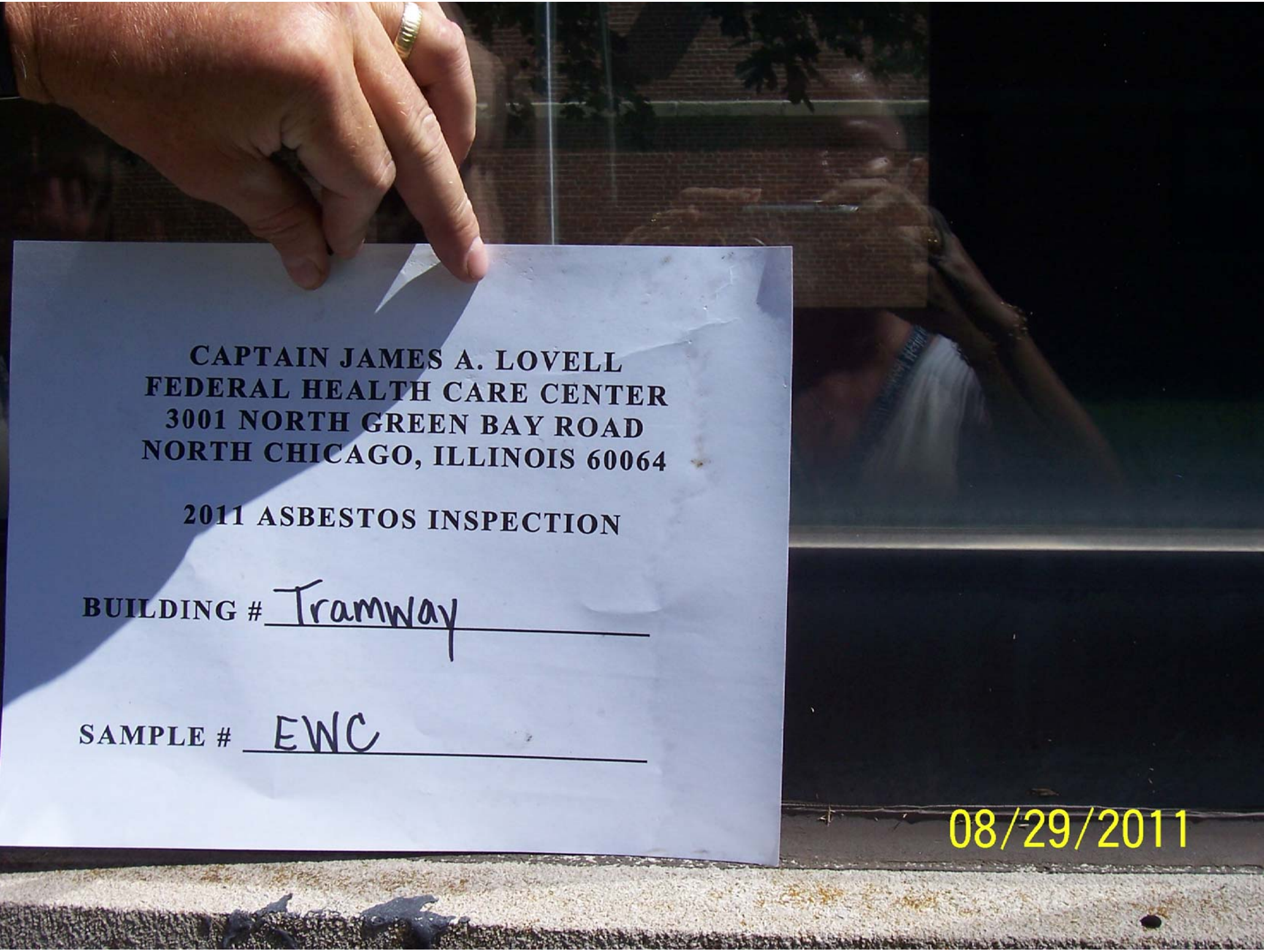
PROJ. No: 1686.004
DATE: 12/16/2011
DRAWN BY: MDT/TBW
APPROVED BY: SGF

APPENDIX E

Photographs ACM Positives


CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064
2011 ASBESTOS INSPECTION
UILDING # Tramway
SAMPLE # WG
08/29/2011


CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064
2011 ASBESTOS INSPECTION
BUILDING # Tramway
SAMPLE # GG2
08/29/2011


CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064
2011 ASBESTOS INSPECTION
BUILDING # Tramway
SAMPLE # EWC
08/29/2011