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December 14, 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
Building # 3

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 A. Haines

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.

Building 3 is a brick clad, two story structure with attic and crawlspace used as administration offices. The building was constructed in 1926. The building has approximately 18,000 square feet of floor space.

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 Building #3.

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
FG	FITTINGS ON FIBERGLASS RUNS	FRIABLE	~3000 FITTINGS	THROUGHOUT	**1.6%-10 % CHRYSOTILE 25% AMOSITE**
FT4 (MASTIC)	TAN MASTIC ASSOCIATED WITH 12”X12” LIGHT BROWN FLOOR TILE	NONFRIABLE	1500 SF	CORRIDOR 124	**2.8% CHRYSOTILE**
FT5 (MASTIC)	BLACK MASTIC ASSOCIATED WITH 12”X12” TAN FLOOR TILE	NONFRIABLE	186 SF	ROOMS 204, 205, 208	**10.6%-24.2% CHRYSOTILE**

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HSA Sample #	Material Description	Material Condition	Material Quantity	Material Location	Laboratory Results
GG3	GLUE GLOBS FOR CT7	NONFRIABLE	105 SF	ROOM 108	**1.1%-1.3% CHRYSOTILE**
WG	EXTERIOR WINDOW GLAZE	NONFRIABLE	600 LF	THROUGHOUT	**1.0%-1.8% 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
EM	EXPOSED YELLOW MASTIC	NONFRIABLE	108 SF	ROOM 102	**<0.25% CHRYSOTILE**
FT2 (MASTIC)	GREY/BLACK/OFF-WHITE MASTIC ASSOCIATED WITH 12”X12” WHITE W/BROWN STREAKS FLOOR TILE	NONFRIABLE	301 SF	ROOMS 3, 206	**<0.25%-0.3% 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 Building #3.

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 and 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. Seventy one (71) 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: 8/19/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: 3

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

EDI 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				
BM	MM	Black mastic walls of basement mechanical area	1	Basement Mechanical Area	X				X				X	5	NAD		
			2														
			3														
CA1	MM	Carpet adhesive yellow or grey w/ small black spots	1	Room 103	X					X	X			5	NAD		
			2	Room 113											Chrysotile - 0.4%	270 S.F.	
			3	Room 108											NAD		
			4	Room 105													
			5	Room 105D													
			6	Room 101													
			7	Room 123													
			8	QAQC													
CA2	MM	Carpet adhesive yellow light grey w/ small black spots	1	Room 109	X					X	X			5	NAD		
			2														
			3														
			4	In hallway outside Room 203													
			5														
			6	In hallway outside Room 208													
			7	In hallway outside Room 202													
CB	MM	Ceiling board brown	1	Room 9			X			X	X			6	NAD		
			2														
			3														

Last Modified By: cwesthoff On: 12/14/11

INSPECTORS: Terri Lewis and Mark Haines

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					1	2	3	4	N	F	1	2	3				
CT1	MM	Ceiling Tile 2x4 white fissured	1	Room 110	X					X	X			5	NAD		
			2	Room 105C													
			3	Room 105F													
			4	Room 4													
			5	Room COG1													
CT2	MM	Ceiling Tile 1x1 whole deep fissures	1	Room 104			X			X	X			6	NAD		
			2	Hallway in front of Room 109													
			3	Room 101													
		Ceiling 1x1 white deep fissured	4	Room 122													
			5	Room 101													
CT3	MM	Ceiling Tile 1x1 white large fissures	1	Room 105D			X			X	X			6	NAD		
			2	Room 105													
			3	Room 114													
		Ceiling 1x1 white w/ large block	4	Room 105C													
			5	Room 121													
		Tan Mastic															
CT4	MM	Ceiling Tile, 2x2 white fissured	1	Hallway in front of Room 105E	X					X	X			5	NAD		
			2	Hallway in front of Room 120													
			3	Hallway in front of Room 111													
			4	Room 101													
			5														
			6														
			7	Hallway in front of Room 107													
			8	QAQC													

Last Modified By: cwesthoff On: 12/14/11

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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				
CT5	MM	Ceiling Tile 1x1 white fissures	1	Room 106A				X		X	X			4	NAD		
			2	Room 103													
			3	Hallway in front of Room 108													
CT6	MM	Ceiling Tile 2x4 deep fissures w/ holes white	1	Room 115A				X		X	X			4	NAD		
			2														
			3														
			4	QAQC													
CT7	MM	Ceiling Tile 2x1 white small holes	1	Room 202			X			X	X			4	NAD		
			2														
			3														
EM	MM	Exposed mastic yellow (floor of room 102)	1	Room 102				X	X				X	6	Chrysotile- Trace	108 S.F.	Detected at < 0.25%
			2												NAD		
			3														
EWC	MM	Exterior window caulk	1	Room 123				X	X			X		6	NAD		
			2	Room 120													
			3	Room 123													
			4	Room 121													
			5	Room 122													
FG	TSI	Fittings on fiberglass	1	Room 104	X					X		X		5	Amosite - 25%	23 each	
															Chrysotile - 10%		
			2	Crawlspace											Chrysotile - PC 2.8%		
			3	Crawlspace											Chrysotile - PC 1.6%		
FS	MM	Firestopping red	1	Room 202	X				X				X	5	NAD		
			2														
			3														

Last Modified By: cwesthoff On: 12/14/11

INSPECTORS: Terri Lewis and Mark Haines

DATE: 8/19/2011

TABLE 1
ASBESTOS SURVEY ANALYTICAL SUMMARY

BUILDING: 3

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

EDI Environmental Design International inc.

AHERA Assessment Categories:

1 = Damaged or significantly damaged TSI ACM.

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3 = Significantly damaged friable surfacing ACM.

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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				
FT	MM	Tan Floor Tile; 12x12	1	Room 6	X				X				X	5	NAD		
		Tan Mastic													Insufficient Material for Analysis		PLM stated NAD
		Tan Floor Tile; 12x12	2	Room 7											NAD		
		Tan Mastic													Insufficient Material for Analysis		PLM stated NAD
		Tan Floor Tile; 12x12	3	Room 4											NAD		
		Tan Mastic													Insufficient Material for Analysis		PLM stated NAD
FT2	MM	Floor Tile 12x12 off white w/ brown streaks	1	Room 3	X				X				X	5	NAD	301 S.F.	
		Grey mastic													Chrysotile - Trace		Detected @ <0.25%; Per TEM report
		Floor Tile 12x12 off white w/ brown streaks	2												NAD		
		Black/grey mastic													Chrysotile - Trace		Detected @ <0.25%; Per TEM report
		Floor Tile 12x12 off white w/ brown streaks	3	Room 206											NAD		
		Off-white mastic													Chrysotile - Trace		Detected @ <0.25%; Per TEM report
FT3	MM	Floor Tile 12x12 green splotchy	1	Room 109	X				X				X	5	NAD		
		Yellow mastic															
		Floor Tile 12x12 green splotchy	2														
		Yellow mastic															
		Floor Tile 12x12 green splotchy	3														
		Yellow mastic															
		Floor Tile 12x12 green splotchy	4	QAQC													
FT4	MM	Floor Tile 12x12 light brown	1	Hallway in front of Room 115A	X				X				X	5	NAD		
		Tan Mastic															
		Floor Tile 12x12 light brown	2	Hallway in front of Room 115													
		Tan Mastic															
		Floor Tile 12x12 light brown	3	Hallway in front of Room 118													
		Tan Mastic													Chrysotile - 2.80%	42 sf	
		Floor Tile 12x12 light brown	4	QAQC											NAD		

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					1	2	3	4	N	F	1	2	3				
FT5	MM	Floor Tile 12x12 tan splotchy	1	Room 205	X				X				X	5	NAD	186 S.F.	
		Black mastic													Chrysotile - 11.8%		Per TEM report
		Floor Tile 12x12 tan splotchy	2												NAD		
		Black mastic													Chrysotile - 24.2%		Per TEM report
		Floor Tile 12x12 tan splotchy	3	Room 204											NAD		
		Black mastic													Chrysotile - 10.6%		Per Tem report
GG	MM	Glue globs	1	Room 9			X		X		X			6	NAD		
			2														
			3														
GG2	MM	Glue Globs brown for CT2	1	Room 104			X		X		X			6	NAD		
			2														
			3														
GG3	MM	Glue Globs brown for CT5	1	Room 108			X		X		X			6	Chrysotile - PC 1.1%	105 S.F.	
			2												Chrysotile - PC 1.1%		
			3												Chrysotile - PC 1.3%		
GG4	MM	Glue globs for CT7 brown speckles	1	Room 202	X				X		X			5	NAD		
			2	Hallway in front of Room 203													
			3	Room 201													
			4	QAQC													
PL1	SM	Plaster Throughout	1	Room 105C	X					X			X	7	NAD		
			2	Room 115A													
			3	Room 123													
			4	Hallway outside Room 105A													
			5	Hallway outside Room 113													
			6	QAQC													

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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				
TB	MM	Tactum board white and blue	1	Room 116	X				X				X	5	NAD		
			2														
			3														
VB	MM	Vinyl Baseboard 4" grey	1	Room COG1	X				X				X	5	NAD		
			2														
			3	Room 8													
VB2	MM	Vinyl Baseboard 6" grey	1	Room 5	X				X				X	5	NAD		
		Vinyl Baseboard 6" grey	2	Hallway in front of Room 106													
		Tan Mastic															
		Vinyl Baseboard 6" grey	3	Room 114													
		Vinyl Baseboard 6" grey	4	Room 105D													
		Vinyl Baseboard 6" grey	5	Room 119													
VB3	MM	Brown Rubber Baseboard; 6"	1	Room 121	X				X				X	5	NAD		
			2	Room 120													
			3	Room 105E													
		Tan Mastic															
VB4	MM	Vinyl Baseboard dark grey 6"	1	Room 109	X				X				X	5	NAD		
		Tan Mastic															
		Vinyl Baseboard dark grey 6"	2	Hallway in front of Room 109													
		Tan Mastic															
		Vinyl Baseboard dark grey 6"	3	Hallway in front of Room 207													
		Tan Mastic															
		Vinyl Baseboard dark grey 6"	4	Room 208													
		Tan Mastic															
		Vinyl Baseboard dark grey 6"	5	Room 208													
		Tan Mastic															

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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				
VD	MM	Vibration Damper white	1	Room 208	X				X			X		5	NAD		
			2														
			3														
VD2	MM	Vibration Damper black	1	Attic	X				X			X		5	NAD		
			2														
			3														
VT	MM	Vinyl Threshold 1" grey	1	Hallway in front of Room 102	X				X				X	5	NAD		
			2	Hallway in front of Room 115A													
			3	Room 109													
WG	MM	Window glazing exterior of windows	1	Room 105C	X				X			X		5	Chrysotile -1.8%	600 L.F.	
			2	Room 102											Chrysotile - 1.5%		
			3	Room 122A											Chrysotile - 1.00%		
UE	MM	Unexcavated Earth	1	Crawlspace	X					X		X		7	NAD		
			2														
			3														
			4														
			5														
			6														
			7														

Last Modified By: cwesthoff On: 12/14/11

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: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408718 **Description / Location:** Dk.Tan Ceiling Tile; 2x1
Client No.: VA3 CT7-1

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

Lab No.: 4408719 **Description / Location:** Dk.Tan Ceiling Tile; 2x1
Client No.: VA3 CT7-2

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

Lab No.: 4408720 **Description / Location:** Dk.Tan Ceiling Tile; 2x1
Client No.: VA3 CT7-3

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

Lab No.: 4408721 **Description / Location:** Grey Non Fibrous
Client No.: VA3 EWC-1 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**

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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: E. Smith

Approved By:

Date: 9/1/2011

Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
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Report Date: 9/1/2011
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Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408722 **Description / Location:** Grey Non Fibrous
Client No.: VA3 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.: 4408723 **Description / Location:** Grey Non Fibrous
Client No.: VA3 EWC-3 Exterior Window

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

Lab No.: 4408724 **Description / Location:** Grey Non Fibrous
Client No.: VA3 EWC-4 Exterior Window

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

Lab No.: 4408725 **Description / Location:** Grey Non Fibrous
Client No.: VA3 EWC-5 Exterior Window

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

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Analysis Performed By: E. Smith

Date: 9/1/2011

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408726 **Description / Location:** Red Fibrous Firestopping
Client No.: VA3 FS-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 4408727 **Description / Location:** Red Fibrous Firestopping
Client No.: VA3 FS-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 4408728 **Description / Location:** Red Fibrous Firestopping
Client No.: VA3 FS-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 4408729 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT5-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

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

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Analytical Method: EPA 600/R-93/116

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408730 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT5-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 4408731 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT5-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 4408732 **Description / Location:** Brown Mastic; A/W Ceiling Tile
Client No.: VA3 GG4-1

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

Lab No.: 4408733 **Description / Location:** Brown Mastic; A/W Ceiling Tile
Client No.: VA3 GG4-2

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

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Analysis Performed By: E. Smith

Date: 9/1/2011

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CERTIFICATE OF ANALYSIS

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Huntley IL 60142-9046

Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408734 **Description / Location:** Brown Mastic; A/W Ceiling Tile
Client No.: VA3 GG4-3

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

Lab No.: 4408735 **Description / Location:** Brown Mastic; A/W Ceiling Tile
Client No.: VA3 GG4-4

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

Lab No.: 4408736 **Description / Location:** White/Tan Fibrous Tactum Board
Client No.: VA3 TB-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4408737 **Description / Location:** White/Tan Fibrous Tactum Board
Client No.: VA3 TB-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

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

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Analytical Method: EPA 600/R-93/116

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Analysis Performed By: V. Smith

Date: 9/1/2011

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Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408738 **Description / Location:** White/Tan Fibrous Tactum Board
Client No.: VA3 TB-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 4408739 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB4-1

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

Lab No.: 4408739 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB4-1

% 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**

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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: V. Smith

Date: 9/1/2011

9000 Commerce Parkway, Ste B
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CERTIFICATE OF ANALYSIS

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

Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408740 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB4-2

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

Lab No.: 4408740 **Description / Location:** Tan/White Mastic/Texture **Layer No.:** 2
Client No.: VA3 VB4-2

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

Lab No.: 4408741 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB4-3

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

Lab No.: 4408741 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB4-3

% 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**

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Analytical Method: EPA 600/R-93/116

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Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408742 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB4-4

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

Lab No.: 4408742 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB4-4

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

Lab No.: 4408743 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB4-5

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

Lab No.: 4408743 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB4-5

% 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**

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Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408744 **Description / Location:** Off-White Fibrous
Client No.: VA3 VD1-1 Vibration Damper

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

Lab No.: 4408745 **Description / Location:** Off-White Fibrous
Client No.: VA3 VD1-2 Vibration Damper

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

Lab No.: 4408746 **Description / Location:** Off-White Fibrous
Client No.: VA3 VD1-3 Vibration Damper

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

Lab No.: 4408747 **Description / Location:** Black Fibrous
Client No.: VA3 VD2-1 Vibration Damper

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

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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.

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Report Date: 9/1/2011
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Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408748 **Description / Location:** Black Fibrous Vibration Damper
Client No.: VA3 VD2-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 4408749 **Description / Location:** Black Fibrous Vibration Damper
Client No.: VA3 VD2-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 4408750 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB2-4

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

Lab No.: 4408751 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB2-5

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

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Analytical Method: EPA 600/R-93/116

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Analysis Performed By: V. Smith

Date: 9/1/2011

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CERTIFICATE OF ANALYSIS

Client: Tropical Environmental, Inc.
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Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408752 **Description / Location:** White/Tan Ceiling Tile; 2x4
Client No.: VA3 CT1-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	30
		40	Mineral Wool	

Lab No.: 4408753 **Description / Location:** White/Tan Ceiling Tile; 2x4
Client No.: VA3 CT1-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	30
		40	Mineral Wool	

Lab No.: 4408754 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	70	Mineral Wool	30

Lab No.: 4408755 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	70	Mineral Wool	30

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Analytical Method: EPA 600/R-93/116

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Report Date: 9/1/2011
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408756 **Description / Location:** White/Brown Ceiling Tile; 1x1
Client No.: VA3 CT3-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

Lab No.: 4408757 **Description / Location:** White/Grey Ceiling Tile; 1x1
Client No.: VA3 CT3-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	30
		30	Mineral Wool	

Lab No.: 4408757 **Description / Location:** White/Brown Ceiling Tile **Layer No.:** 2
Client No.: VA3 CT3-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Mineral Wool	10

Lab No.: 4408758 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-4

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

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Analytical Method: EPA 600/R-93/116

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Report Date: 9/1/2011
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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408759 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-5

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

Lab No.: 4408760 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-6

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

Lab No.: 4408761 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-7

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

Lab No.: 4408762 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-8

% 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**

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Analytical Method: EPA 600/R-93/116

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Report Date: 9/1/2011
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Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408763 **Description / Location:** Sample Not Received
Client No.: VA3 CT4-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Received		Sample Not Received		

Lab No.: 4408764 **Description / Location:** Sample Not Received
Client No.: VA3 CT4-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Received		Sample Not Received		

Lab No.: 4408765 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: VA3 CT4-6

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	30
		30	Mineral Wool	

Lab No.: 4408766 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-4

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

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Analytical Method: EPA 600/R-93/116

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Date: 9/1/2011

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CERTIFICATE OF ANALYSIS

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Huntley IL 60142-9046

Report Date: 9/1/2011
Report No: 250407
Project: CaptainJamesALovell FHCC; Bldg.#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4408767 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-5

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

Lab No.: 4408768 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-6

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

Lab No.: 4408769 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-7

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

Lab No.: 4408770 **Description / Location:** White/Tan Ceiling Tile
Client No.: VA3 CT4-7 Additional Sample Received

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	30
		30	Mineral Wool	

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

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Analysis Performed By: V. Smith

Date: 9/1/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407307 **Description / Location:** Black Mastic
Client No.: VA3 BM-1 A/W Walls Of Basement Mech. Area

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

Lab No.: 4407308 **Description / Location:** Black Mastic
Client No.: VA3 BM-2 A/W Walls Of Basement Mech. Area

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

Lab No.: 4407309 **Description / Location:** Black Mastic
Client No.: VA3 BM-3 A/W Walls Of Basement Mech. Area

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

Lab No.: 4407310 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-1

% 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**

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Analytical Method: EPA 600/R-93/116

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Analysis Performed By: S. Robb

Approved By:

Date: 8/29/2011

Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

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10976 Fairbluff Ave
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Report Date: 8/29/2011
Report No: 250312
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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407311 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Synthetic	99

Lab No.: 4407312 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA1-3

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

Lab No.: 4407313 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-1

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

Lab No.: 4407314 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-2

% 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**

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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: S. Robb

Date: 8/29/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407315 **Description / Location:** Tan Carpet Mastic
Client No.: VA3 CA2-3

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

Lab No.: 4407316 **Description / Location:** Brown Ceiling Cork
Client No.: VA3 CB-1

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

Lab No.: 4407317 **Description / Location:** Brown Ceiling Cork
Client No.: VA3 CB-2

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

Lab No.: 4407318 **Description / Location:** Brown Ceiling Cork
Client No.: VA3 CB-3

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

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Analytical Method: EPA 600/R-93/116

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407319 **Description / Location:** Tan Ceiling Tile; 2x4
Client No.: VA3 CT1-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407320 **Description / Location:** Tan Ceiling Tile; 2x4
Client No.: VA3 CT1-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407321 **Description / Location:** Tan Ceiling Tile; 2x4
Client No.: VA3 CT1-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407322 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407323 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

Lab No.: 4407324 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

Lab No.: 4407325 **Description / Location:** Grey Ceiling Tile; 1x1
Client No.: VA3 CT2-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

Lab No.: 4407326 **Description / Location:** Off-White/Tan Ceiling Tile; 1x1
Client No.: VA3 CT3-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	65	Fibrous Glass	35

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407327 **Description / Location:** Off-White/Tan Ceiling Tile; 1x1
Client No.: VA3 CT3-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	65	Fibrous Glass	35

Lab No.: 4407328 **Description / Location:** Off-White/Tan Ceiling Tile; 1x1
Client No.: VA3 CT3-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	65	Fibrous Glass	35

Lab No.: 4407329 **Description / Location:** Grey Ceiling Tile; 2x2
Client No.: VA3 CT4-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407330 **Description / Location:** Grey Ceiling Tile; 2x2
Client No.: VA3 CT4-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407331 **Description / Location:** Tan Ceiling Tile; 2x2
Client No.: VA3 CT4-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407332 **Description / Location:** Tan Ceiling Tile; 2x2
Client No.: VA3 CT4-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407333 **Description / Location:** Tan Ceiling Tile; 2x2
Client No.: VA3 CT4-5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	35
		25	Mineral Wool	

Lab No.: 4407334 **Description / Location:** White Ceiling Tile; 1x1
Client No.: VA3 CT5-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Mineral Wool	20

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407335 **Description / Location:** Tan Ceiling Tile; 1x1
Client No.: VA3 CT5-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Mineral Wool	20
		20	Cellulose	

Lab No.: 4407336 **Description / Location:** Tan Ceiling Tile; 1x1
Client No.: VA3 CT5-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Mineral Wool	20
		20	Cellulose	

Lab No.: 4407337 **Description / Location:** Grey Ceiling Tile; 2x4
Client No.: VA3 CT6-1

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

Lab No.: 4407338 **Description / Location:** Grey Ceiling Tile; 2x4
Client No.: VA3 CT6-2

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

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407339 **Description / Location:** Grey Ceiling Tile; 2x4
Client No.: VA3 CT6-3

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

Lab No.: 4407340 **Description / Location:** Grey Ceiling Tile; 2x4
Client No.: VA3 CT6-4

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

Lab No.: 4407341 **Description / Location:** Tan Mastic
Client No.: VA3 EM-1 Floor Of Room 102

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

Lab No.: 4407342 **Description / Location:** Tan Mastic
Client No.: VA3 EM-2 Floor Of Room 102

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

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407343 **Description / Location:** Tan Mastic
Client No.: VA3 EM-3 Floor Of Room 102

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

Lab No.: 4407344 **Description / Location:** White Insulation
Client No.: VA3 FG-1 Fitting On Fiberglass

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Amosite	None Detected	None Detected	65
10	Chrysotile			

Lab No.: 4407345 **Description / Location:** Grey Insulation
Client No.: VA3 FG-2 Fitting On Fiberglass

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.8	Chrysotile	45	Mineral Wool	PC 47.2
		5	Cellulose	

Lab No.: 4407346 **Description / Location:** Grey Insulation
Client No.: VA3 FG-3 Fitting On Fiberglass

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	45	Mineral Wool	PC 48.4
		5	Cellulose	

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407347 **Description / Location:** Tan Floor Tile; 12x12
Client No.: VA3 FT-1

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

Lab No.: 4407347 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 FT-1

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

Lab No.: 4407348 **Description / Location:** Tan Floor Tile; 12x12
Client No.: VA3 FT-2

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

Lab No.: 4407348 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 FT-2

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

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407349 **Description / Location:** Tan Floor Tile; 12x12
Client No.: VA3 FT-3

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

Lab No.: 4407349 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 FT-3

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

Lab No.: 4407350 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT2-1

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

Lab No.: 4407351 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT2-2

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

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407352 **Description / Location:** Off-White Floor Tile; 12x12
Client No.: VA3 FT2-3

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

Lab No.: 4407353 **Description / Location:** Grey Floor Tile; 12x12
Client No.: VA3 FT3-1

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

Lab No.: 4407354 **Description / Location:** Grey Floor Tile; 12x12
Client No.: VA3 FT3-2

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

Lab No.: 4407355 **Description / Location:** Grey Floor Tile; 12x12
Client No.: VA3 FT3-3

% 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**

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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: S. Robb

Date: 8/29/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407356 **Description / Location:** Grey Floor Tile; 12x12
Client No.: VA3 FT3-4

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

Lab No.: 4407357 **Description / Location:** White/Tan Floor Tile; 12x12
Client No.: VA3 FT4-1

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

Lab No.: 4407357 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 FT4-1

% 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**

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Analytical Method: EPA 600/R-93/116

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Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407358 **Description / Location:** White/Tan Floor Tile; 12x12
Client No.: VA3 FT4-2

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

Lab No.: 4407358 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 FT4-2

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

Lab No.: 4407359 **Description / Location:** White/Tan Floor Tile; 12x12
Client No.: VA3 FT4-3

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

Lab No.: 4407359 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: VA3 FT4-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.1	Chrysotile	None Detected	None Detected	PC 95.9

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

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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.

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Report No: 250312
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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407360 **Description / Location:** White/Tan Floor Tile; 12x12
Client No.: VA3 FT4-4

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

Lab No.: 4407361 **Description / Location:** Brown Mastic
Client No.: VA3 GG1-1

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

Lab No.: 4407362 **Description / Location:** Brown Mastic
Client No.: VA3 GG1-2

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

Lab No.: 4407363 **Description / Location:** Brown Mastic
Client No.: VA3 GG1-3

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

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

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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.

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407364 **Description / Location:** Brown Mastic
Client No.: VA3 GG2-1 A/W Ceiling Tile 2

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

Lab No.: 4407365 **Description / Location:** Brown Mastic
Client No.: VA3 GG2-2 A/W Ceiling Tile 2

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

Lab No.: 4407366 **Description / Location:** Brown Mastic
Client No.: VA3 GG2-3 A/W Ceiling Tile 2

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

Lab No.: 4407367 **Description / Location:** Dk.Brown Mastic
Client No.: VA3 GG3-1 A/W Ceiling Tile 5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

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

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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.

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407368 **Description / Location:** Dk.Brown Mastic
Client No.: VA3 GG3-2 A/W Ceiling Tile 5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Lab No.: 4407369 **Description / Location:** Dk.Brown Mastic
Client No.: VA3 GG3-3 A/W Ceiling Tile 5

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 4407370 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-1 Throughout

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

Lab No.: 4407371 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-2 Throughout

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

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Analytical Method: EPA 600/R-93/116

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Report Date: 8/29/2011
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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407372 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-3 Throughout

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

Lab No.: 4407373 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-4 Throughout

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

Lab No.: 4407374 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-5 Throughout

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

Lab No.: 4407375 **Description / Location:** Grey Plaster
Client No.: VA3 PL1-6 Throughout

% 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**

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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.

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CERTIFICATE OF ANALYSIS

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

Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407376 **Description / Location:** Grey Rubber Baseboard; 4"
Client No.: VA3 VB-1

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

Lab No.: 4407377 **Description / Location:** Grey Rubber Baseboard; 4"
Client No.: VA3 VB-2

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

Lab No.: 4407378 **Description / Location:** Grey Rubber Baseboard; 4"
Client No.: VA3 VB-3

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

Lab No.: 4407379 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB2-1

% 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**

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Analytical Method: EPA 600/R-93/116

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Huntley IL 60142-9046

Report Date: 8/29/2011
Report No: 250312
Project: CaptainJamesALovell FHCC; Bldg.3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407380 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB2-2

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

Lab No.: 4407380 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB2-2

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

Lab No.: 4407381 **Description / Location:** Grey Rubber Baseboard; 6"
Client No.: VA3 VB2-3

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

Lab No.: 4407382 **Description / Location:** Black Rubber Threshold 1"
Client No.: VA3 VT-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**

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Analytical Method: EPA 600/R-93/116

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Report Date: 8/29/2011
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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407383 **Description / Location:** Black Rubber Threshold 1"
Client No.: VA3 VT-2

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

Lab No.: 4407384 **Description / Location:** Black Rubber Threshold 1"
Client No.: VA3 VT-3

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

Lab No.: 4407385 **Description / Location:** Brown Rubber Baseboard; 6"
Client No.: VA3 VB3-1

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

Lab No.: 4407386 **Description / Location:** Brown Rubber Baseboard; 6"
Client No.: VA3 VB3-2

% 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**

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Analytical Method: EPA 600/R-93/116

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Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407387 **Description / Location:** Brown Rubber Baseboard; 6"
Client No.: VA3 VB3-3

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

Lab No.: 4407387 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: VA3 VB3-3

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

Lab No.: 4407388 **Description / Location:** Grey Window Glazing
Client No.: VA3 WG-1

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

Lab No.: 4407389 **Description / Location:** Grey Window Glazing
Client No.: VA3 WG-2

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

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

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Analytical Method: EPA 600/R-93/116

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4407390
Client No.: VA3 WG-3
Description / Location: Grey Window Glazing

% 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**

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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: S. Robb

Date: 8/29/2011

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: 11/7/2011
Report No.: 254214
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4471092 **Description / Location:** Grey Mastic
Client No.: VA3-FT2-1

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

Lab No.: 4471093 **Description / Location:** Black/Grey Mastic
Client No.: VA3-FT2-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 4471094 **Description / Location:** Off-White Mastic
Client No.: VA3-FT2-3

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

Lab No.: 4471095 **Description / Location:** Yellow Mastic
Client No.: VA3-FT3-1

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

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

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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: R. Caran

Approved By:

Date: 11/7/2011

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: 11/7/2011
Report No.: 254214
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4471096 **Description / Location:** Yellow Mastic
Client No.: VA3-FT3-2

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

Lab No.: 4471097 **Description / Location:** Yellow Mastic
Client No.: VA3-FT3-3

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

Lab No.: 4471098 **Description / Location:** Black Mastic
Client No.: VA3-FT5-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5.3	Chrysotile	None Detected	None Detected	PC 94.7

Lab No.: 4471099 **Description / Location:** Black Mastic
Client No.: VA3-FT5-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.9	Chrysotile	None Detected	None Detected	PC 95.1

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

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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: R. Caran

Date: 11/7/2011

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CERTIFICATE OF ANALYSIS

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Huntley IL 60142-9046

Report Date: 11/7/2011
Report No.: 254214
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4471100 **Description / Location:** Black Mastic
Client No.: VA3-FT5-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5.1	Chrysotile	None Detected	None Detected	PC 94.9

Lab No.: 4471101 **Description / Location:** Brown Soil
Client No.: VA3-UE-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Note: Not building material. 1% threshold may not apply.

Lab No.: 4471102 **Description / Location:** Brown Soil
Client No.: VA3-UE-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Synthetic	99

Note: Not building material. 1% threshold may not apply.

Lab No.: 4471103 **Description / Location:** Brown Soil
Client No.: VA3-UE-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Note: Not building material. 1% threshold may not apply.

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

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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: R. Caran

Date: 11/7/2011

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Report Date: 11/7/2011
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Project: Capt.JamesALovellFHCCBldg#3
Project No.:

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4471104 **Description / Location:** Brown Soil
Client No.: VA3-UE-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Note: Not building material. 1% threshold may not apply.

Lab No.: 4471105 **Description / Location:** Brown Soil
Client No.: VA3-UE-5

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

Note: Not building material. 1% threshold may not apply.

Lab No.: 4471106 **Description / Location:** Brown Soil
Client No.: VA3-UE-6

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

Note: Not building material. 1% threshold may not apply.

Lab No.: 4471107 **Description / Location:** Brown Soil
Client No.: VA3-UE-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Note: Not building material. 1% threshold may not apply.

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

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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: R. Caran

Date: 11/7/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407307A
Client No.: VA3 BM-1
Description / Location: Black Mastic A/W Walls Of Bmnt Mech.Area

Organic Fraction:	97.7 %	
Gravimetrically Reduced Subsample:	2.30 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	2.30 %	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.

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

Analysis Performed By: J. Silcox

Approved By:

Date: 10/10/2011

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407308A
Client No.: VA3 BM-2

Description / Location: Black Mastic A/W Walls Of Bmnt Mech.Area

Organic Fraction:	98.2 %	
Gravimetrically Reduced Subsample:	1.80 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	1.80 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

IATL International Asbestos Testing Laboratories

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407309A
Client No.: VA3 BM-3

Description / Location: Black Mastic A/W Walls Of Bmnt Mech.Area

Organic Fraction:	99.2 %	
Gravimetrically Reduced Subsample:	0.800 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.800 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407310A
Client No.: VA3 CA1-1
Description / Location: Tan Carpet Mastic

Organic Fraction:	57.3 %	
Gravimetrically Reduced Subsample:	42.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.7 %	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."

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

Analysis Performed By: J. Silcox

Date: 10/10/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407311A
Client No.: VA3 CA1-2
Description / Location: Tan Carpet Mastic

Organic Fraction:	58.6 %	
Gravimetrically Reduced Subsample:	41.4 %	
Percent Asbestos Detected:	0.400 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	41.0 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407312A
Description / Location: Tan Carpet Mastic
Client No.: VA3 CA1-3

Organic Fraction:	57.1 %	
Gravimetrically Reduced Subsample:	42.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.9 %	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.
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Date: 10/10/2011

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Report No.: 251006
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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407313A
Description / Location: Tan Carpet Mastic
Client No.: VA3 CA2-1

Organic Fraction:	55.8 %	
Gravimetrically Reduced Subsample:	44.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	44.2 %	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.
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407314A
Client No.: VA3 CA2-2
Description / Location: Tan Carpet Mastic

Organic Fraction:	59.3 %	
Gravimetrically Reduced Subsample:	40.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	40.7 %	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.
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407315A
Client No.: VA3 CA2-3
Description / Location: Tan Carpet Mastic

Organic Fraction:	55.5 %	
Gravimetrically Reduced Subsample:	44.5 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	44.5 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

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: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407341A
Client No.: VA3 EM-1

Description / Location: Tan Mastic
Floor Of Room 102

Organic Fraction:	59.3 %	
Gravimetrically Reduced Subsample:	40.7 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	40.7 %	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.
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407342A
Client No.: VA3 EM-2

Description / Location: Tan Mastic
Floor Of Room 102

Organic Fraction:	57.1 %	
Gravimetrically Reduced Subsample:	42.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.9 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407343A
Client No.: VA3 EM-3

Description / Location: Tan Mastic
Floor Of Room 102

Organic Fraction:	58.0 %	
Gravimetrically Reduced Subsample:	42.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.0 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407347A
Description / Location: Tan Floor Tile;12x12
Client No.: VA3 FT-1

Organic Fraction:	54.0 %	
Gravimetrically Reduced Subsample:	46.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	46.0 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407347B
Description / Location: Tan Mastic
Client No.: VA3 FT-1

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material: Insufficient Material For Analysis

Percent Non-Fibrous Material:

Comments: Note: Insufficient material provided for analysis.

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407348A
Description / Location: Tan Floor Tile;12x12
Client No.: VA3 FT-2

Organic Fraction:	53.1 %	
Gravimetrically Reduced Subsample:	46.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	46.9 %	Other

Comments:

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

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407348B
Description / Location: Tan Mastic
Client No.: VA3 FT-2

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material: Insufficient Material For Analysis

Percent Non-Fibrous Material:

Comments: Note: Insufficient material provided for analysis.

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407349A
Description / Location: Tan Floor Tile;12x12
Client No.: VA3 FT-3

Organic Fraction:	46.3 %	
Gravimetrically Reduced Subsample:	53.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	53.7 %	Other

Comments:

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

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407349B
Description / Location: Tan Mastic
Client No.: VA3 FT-3

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material: Insufficient Material For Analysis

Percent Non-Fibrous Material:

Comments: Note: Insufficient material provided for analysis.

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407350A
Client No.: VA3 FT2-1

Description / Location: Off-White
Floor Tile;12x12

Organic Fraction:	47.4 %	
Gravimetrically Reduced Subsample:	52.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	52.6 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407351A
Client No.: VA3 FT2-2

Description / Location: Off-White Floor Tile;12x12

Organic Fraction:	45.1 %	
Gravimetrically Reduced Subsample:	54.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	54.9 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407352A
Client No.: VA3 FT2-3

Description / Location: Off-White
Floor Tile;12x12

Organic Fraction:	41.7 %	
Gravimetrically Reduced Subsample:	58.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	58.3 %	Other

Comments:

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

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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407353A
Description / Location: Grey Floor Tile;12x12
Client No.: VA3 FT3-1

Organic Fraction:	46.3 %	
Gravimetrically Reduced Subsample:	53.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	53.7 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407354A
Description / Location: Grey Floor Tile;12x12
Client No.: VA3 FT3-2

Organic Fraction:	51.2 %	
Gravimetrically Reduced Subsample:	48.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	48.8 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407355A
Description / Location: Grey Floor Tile;12x12
Client No.: VA3 FT3-3

Organic Fraction:	56.0 %	
Gravimetrically Reduced Subsample:	44.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	44.0 %	Other

Comments:

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

Analysis Performed By: J. Silcox

Date: 10/10/2011

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: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407356A
Description / Location: Grey Floor Tile;12x12
Client No.: VA3 FT3-4

Organic Fraction:	45.7 %	
Gravimetrically Reduced Subsample:	54.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	54.3 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407357A
Client No.: VA3 FT4-1

Description / Location: White/Tan
Floor Tile;12x12

Organic Fraction:	46.7 %	
Gravimetrically Reduced Subsample:	53.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	53.3 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407357B
Description / Location: Tan Mastic
Client No.: VA3 FT4-1

Organic Fraction:	91.4 %	
Gravimetrically Reduced Subsample:	8.60 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	8.60 %	Other

Comments: 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.
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Analysis Performed By: J. Silcox

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407358A
Client No.: VA3 FT4-2

Description / Location: White/Tan
Floor Tile;12x12

Organic Fraction:	51.9 %	
Gravimetrically Reduced Subsample:	48.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	48.1 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407358B
Description / Location: Tan Mastic
Client No.: VA3 FT4-2

Organic Fraction:	99.7 %	
Gravimetrically Reduced Subsample:	0.300 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.300 %	Other

Comments: 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 :
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407359A
Client No.: VA3 FT4-3

Description / Location: White/Tan
Floor Tile;12x12

Organic Fraction:	48.7 %	
Gravimetrically Reduced Subsample:	51.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	51.3 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407359B **Description / Location:** Black Mastic

Client No.: VA3 FT4-3

Organic Fraction:	88.9 %	
Gravimetrically Reduced Subsample:	11.1 %	
Percent Asbestos Detected:	2.80 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	8.30 %	Other

Comments: 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.
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Analysis Performed By: J. Silcox

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407360A
Client No.: VA3 FT4-4

Description / Location: White/Tan
Floor Tile;12x12

Organic Fraction:	49.4 %	
Gravimetrically Reduced Subsample:	50.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	50.6 %	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.
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407361A **Description / Location:** Brown Mastic

Client No.: VA3 GG1-1

Organic Fraction:	57.2 %	
Gravimetrically Reduced Subsample:	42.8 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.8 %	Other

Comments: 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.
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407362A **Description / Location:** Brown Mastic

Client No.: VA3 GG1-2

Organic Fraction:	54.7 %	
Gravimetrically Reduced Subsample:	45.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	45.3 %	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.
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407363A **Description / Location:** Brown Mastic

Client No.: VA3 GG1-3

Organic Fraction:	54.5 %	
Gravimetrically Reduced Subsample:	45.5 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	45.5 %	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.
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407364A
Client No.: VA3 GG2-1

Description / Location: Brown Mastic
A/W Ceiling Tile 2

Organic Fraction:	54.3 %	
Gravimetrically Reduced Subsample:	45.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	45.7 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Huntley IL 60142-9046

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407365A
Client No.: VA3 GG2-2

Description / Location: Brown Mastic
A/W Ceiling Tile 2

Organic Fraction:	49.7 %	
Gravimetrically Reduced Subsample:	50.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	50.3 %	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.
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Analysis Performed By: J. Silcox

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Report Date: 10/10/2011
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407366A
Client No.: VA3 GG2-3

Description / Location: Brown Mastic
A/W Ceiling Tile 2

Organic Fraction:	52.8 %	
Gravimetrically Reduced Subsample:	47.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	47.2 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407376A
Description / Location: Grey Rubber Baseboard;4"
Client No.: VA3 VB-1

Organic Fraction:	68.4 %	
Gravimetrically Reduced Subsample:	31.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
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."

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

Analysis Performed By: J. Silcox

Date: 10/10/2011

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: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407377A
Description / Location: Grey Rubber Baseboard;4"
Client No.: VA3 VB-2

Organic Fraction:	71.9 %	
Gravimetrically Reduced Subsample:	28.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	28.1 %	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."

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Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407378A
Description / Location: Grey Rubber Baseboard;4"
Client No.: VA3 VB-3

Organic Fraction:	59.8 %	
Gravimetrically Reduced Subsample:	40.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	40.2 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407379A
Client No.: VA3 VB2-1
Description / Location: Grey Rubber Baseboard;6"

Organic Fraction:	83.4 %	
Gravimetrically Reduced Subsample:	16.6 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	16.6 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407380A
Description / Location: Grey Rubber Baseboard;6"
Client No.: VA3 VB2-2

Organic Fraction:	86.8 %	
Gravimetrically Reduced Subsample:	13.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	13.2 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407380B
Description / Location: Tan Mastic
Client No.: VA3 VB2-2

Organic Fraction:

Gravimetrically Reduced Subsample:

Percent Asbestos Detected:

Percent Non-Asbestos Fibrous Material:

Percent Non-Fibrous Material:

Comments: Note: Insufficient material provided for analysis.

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407381A
Client No.: VA3 VB2-3
Description / Location: Grey Rubber Baseboard;6"

Organic Fraction:	88.3 %	
Gravimetrically Reduced Subsample:	11.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	11.7 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Analysis Performed By: J. Silcox

Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407382A
Description / Location: Black Rubber Threshold 1"
Client No.: VA3 VT-1

Organic Fraction:	99.9 %	
Gravimetrically Reduced Subsample:	0.100 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.100 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Date: 10/10/2011

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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407383A
Description / Location: Black Rubber Threshold 1"
Client No.: VA3 VT-2

Organic Fraction:	99.9 %	
Gravimetrically Reduced Subsample:	0.100 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.100 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407384A
Description / Location: Black Rubber Threshold 1"
Client No.: VA3 VT-3

Organic Fraction:	99.9 %	
Gravimetrically Reduced Subsample:	0.100 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.100 %	Other

Comments:

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

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407385A
Client No.: VA3 VB3-1
Description / Location: Brown Rubber Baseboard;6"

Organic Fraction:	89.0 %	
Gravimetrically Reduced Subsample:	11.0 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	11.0 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407386A
Client No.: VA3 VB3-2
Description / Location: Brown Rubber Baseboard;6"

Organic Fraction:	90.6 %	
Gravimetrically Reduced Subsample:	9.40 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	9.40 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407387A
Client No.: VA3 VB3-3
Description / Location: Brown Rubber Baseboard;6"

Organic Fraction:	96.9 %	
Gravimetrically Reduced Subsample:	3.10 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	3.10 %	Other

Comments:

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Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407387B **Description / Location:** Tan Mastic

Client No.: VA3 VB3-3

Organic Fraction:	79.9 %	
Gravimetrically Reduced Subsample:	20.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	20.1 %	Other

Comments: 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 :
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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407388A
Description / Location: Grey Window Glazing
Client No.: VA3 WG-1

Organic Fraction:	63.5 %	
Gravimetrically Reduced Subsample:	36.5 %	
Percent Asbestos Detected:	1.80 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	34.7 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Date: 10/10/2011

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Report Date: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407389A
Description / Location: Grey Window Glazing
Client No.: VA3 WG-2

Organic Fraction:	69.6 %	
Gravimetrically Reduced Subsample:	30.4 %	
Percent Asbestos Detected:	1.50 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	28.9 %	Other

Comments:

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

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

Analysis Performed By: J. Silcox

Date: 10/10/2011

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: 10/10/2011
Report No.: 251006
Project: Capt.JamesALovellFHCCBldg.#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114407390A
Description / Location: Grey Window Glazing
Client No.: VA3 WG-3

Organic Fraction:	65.5 %	
Gravimetrically Reduced Subsample:	34.5 %	
Percent Asbestos Detected:	1.00 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	33.5 %	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."

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Analysis Performed By: J. Silcox

Date: 10/10/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471092A
Description / Location: Grey Mastic
Client No.: VA3-FT2-1

Organic Fraction:	90.9 %	
Gravimetrically Reduced Subsample:	9.10 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	9.10 %	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."

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Analysis Performed By: J. Silcox

Approved By:

Date: 12/1/2011

Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

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

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471093A
Description / Location: Black/Grey Mastic
Client No.: VA3-FT2-2

Organic Fraction:	99.9 %	
Gravimetrically Reduced Subsample:	0.100 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	0.100 %	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.
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Date: 12/1/2011

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10976 Fairbluff Ave
Huntley IL 60142-9046

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471094A
Description / Location: Off-White Mastic
Client No.: VA3-FT2-3

Organic Fraction:	71.7 %	
Gravimetrically Reduced Subsample:	28.3 %	
Percent Asbestos Detected:	0.300 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	28.0 %	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."

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Analysis Performed By: J. Silcox

Date: 12/1/2011

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Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471095A
Description / Location: Yellow Mastic
Client No.: VA3-FT3-1

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: 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 :
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Date: 12/1/2011

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Huntley IL 60142-9046

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471096A
Description / Location: Yellow Mastic
Client No.: VA3-FT3-2

Organic Fraction:	85.3 %	
Gravimetrically Reduced Subsample:	14.7 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	14.7 %	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.
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Date: 12/1/2011

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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471097A
Description / Location: Yellow Mastic
Client No.: VA3-FT3-3

Organic Fraction:	85.7 %	
Gravimetrically Reduced Subsample:	14.3 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	14.3 %	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 :
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Report Date: 12/1/2011
Report No.: 256597
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Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471098A
Description / Location: Black Mastic
Client No.: VA3-FT5-1

Organic Fraction:	84.3 %	
Gravimetrically Reduced Subsample:	15.7 %	
Percent Asbestos Detected:	11.8 %	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 :
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Date: 12/1/2011

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

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471099A
Description / Location: Black Mastic
Client No.: VA3-FT5-2

Organic Fraction:	65.5 %	
Gravimetrically Reduced Subsample:	34.5 %	
Percent Asbestos Detected:	24.2 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	10.4 %	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 :
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Huntley IL 60142-9046

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471100A
Description / Location: Black Mastic
Client No.: VA3-FT5-3

Organic Fraction:	84.9 %	
Gravimetrically Reduced Subsample:	15.1 %	
Percent Asbestos Detected:	10.6 %	Chrysotile
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	4.50 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Huntley IL 60142-9046

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471101A **Description / Location:** Brown Soil

Client No.: VA3-UE-1

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

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Analysis Performed By: J. Silcox

Date: 12/1/2011

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Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471102A
Description / Location: Brown Soil
Client No.: VA3-UE-2

Organic Fraction:	26.1 %	
Gravimetrically Reduced Subsample:	73.9 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	73.9 %	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.
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Analysis Performed By: J. Silcox

Date: 12/1/2011

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Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471103A **Description / Location:** Brown Soil

Client No.: VA3-UE-3

Organic Fraction:	32.6 %	
Gravimetrically Reduced Subsample:	67.4 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	67.4 %	Other

Comments:

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

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
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Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471104A
Description / Location: Brown Soil
Client No.: VA3-UE-4

Organic Fraction:	30.5 %	
Gravimetrically Reduced Subsample:	69.5 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	69.5 %	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.
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Analysis Performed By: J. Silcox

Date: 12/1/2011

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CERTIFICATE OF ANALYSIS

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

Report Date: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471105A **Description / Location:** Brown Soil

Client No.: VA3-UE-5

Organic Fraction:	29.8 %	
Gravimetrically Reduced Subsample:	70.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	70.2 %	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: J. Silcox

Date: 12/1/2011

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: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471106A
Description / Location: Brown Soil
Client No.: VA3-UE-6

Organic Fraction:	34.9 %	
Gravimetrically Reduced Subsample:	65.1 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	65.1 %	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."

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

Analysis Performed By: J. Silcox

Date: 12/1/2011

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: 12/1/2011
Report No.: 256597
Project: Capt.JamesALovellFHCCBldg#3
Project No.:

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 114471107A
Description / Location: Brown Soil
Client No.: VA3-UE-7

Organic Fraction:	31.8 %	
Gravimetrically Reduced Subsample:	68.2 %	
Percent Asbestos Detected:	ND	None Detected
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	68.2 %	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.

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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: J. Silcox

Date: 12/1/2011

Pg 1 of 2

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

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: 8-19-11 Bldg #3

Client Sample #	iATL #	Location/Description	Notes
VA3 CT1-3		Ceiling Tile 2x1 white small holes	✓
EWC1-5		Exterior Window Caulk	✓
FS1-3		Firestoping Red	✓
FT51-3		12x12 Floor Tile Tan w/ Brown	✓
GG41-4		Glue Globs for CT 7 Brown specks	✓
TB1-3		Tactum Board white and Blue	✓

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

Chain of Custody

–Bulk Asbestos Sample Log –

Client: Tropical Environmental, Inc Project: James A Lovell FHCC

8-19-11 Bldg #3

Bulk Asbestos Sample Log				
Client Sample #	iATL #	Location/Description	Notes	
VA3 VB41-5		Vinyl Baseboard Dark Gray 6"		✓
VD1-3		Vibration Damper white		✓
VD21-3		" " Black		✓
VB24-5		Vinyl Baseboard 6" Gray		✓
CT1~~4-5~~	6-7	Ceiling Tile 2x4 white Fissured		✓
CT24-5		" " 1x1 " Deep "		✓
CT34-5		" " " " w/ large Holes		✓
CA14-~~8~~		Carpet adhesive yellow for gray w/ small black spots carpet		✓
CT4~~4~~6	6-8	Ceiling Tile 2x2 white Fissured		✓
CA24-7		Carpet adhesive yellow light Gray w/ small black spots carpet		✓

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Chain of Custody

Pg 1 of 3

–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: 8-18-11 Building #3

Client Sample #	iATL #	Location/Description	Notes
VA3 BM 1-3		Black mastic walls of Basement mech Area	✓
CA1 1-3		Carpet adhesive yellow or black	✓
CA2 1-3			✓
CB 1-3		Ceiling Board Brown	✓
CT1 1-5		Ceiling Tile 2x4 Wede Fissures	✓
CT2 1-4		Ceiling Tile 1x1 white Deep	✓

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

Pg 2 of 3

–Bulk Asbestos Sample Log –

Client: Tropical Environmental, Inc Project: James A Lovell FHCC

8-18-11 Bldg #3

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
VA3 CT3 1-3		Ceiling Tile 1x1 white heavy Fissures	✓
CT4 1-5		2x2 Fissures	✓
CT5 1-3		1x1	✓
CT6 1-4		2x4 Dup Fissures w/ holes white	✓
EM 1-3		Exposed mastic yellow (Floor of Room 102)	✓
FG 1-3		Fittings on Fiberglass	✓
FT 1-3		Floor Tile 12x12 tan splotchy	✓
FT2 1-3		off white w/ brown streaks	✓
FT3 1-4		lt Green splotchy	✓
FT4 1-4		~~Light~~ Brown	✓
GG 1-3		Glue Globs	✓
GG2 1-3		Brown for CT2	✓
GG3 1-3		5	✓

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Chain of Custody

–Bulk Asbestos Sample Log –

Client: Tropical Environmental, Inc Project: James A Lovell FHCC

8-18-11 Bldg #3

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
VA3 PL1 1-6		Plaster Throughout	
VB1-3		Vinyl Baseboard 4" Gray	✓
VB21-3		" " 6" Gray	✓
VT1-3		Vinyl Threshold 1" Black	✓
VB31-3		Vinyl Baseboard 6" Dark Brown	✓
WG1-3		Window Glazing Exterior of Windows	✓

BLDG. # 3

FT 1 .. FLOOR TILE 12 X 12 TAN MOTTLED X ACCESS 3

FT 2 .. " " OFF WHITE w/ SOME STAINS X ACCESS 3 GOOD

VB 1 .. VINYL BASEBOARD 4" GRAY X ACCESS 3 GOOD

VB 2 .. " " 6" " X ACCESS 3 GOOD

CT 1 .. CEILING TILE 2X4 WHITE FISSURED ACCESS 1 GOOD X

CB .. CEILING BOARD BROWN (RM 4 BASEMENT) DAMAGED X

GC .. GLUE GLOBS X " (" " ") FOR DAMAGED

BM .. BLACK MASTIC WALLS OF BASEMENT MECH ACCESS SIG DAMAGED X

.. EXISTING PLASTIC SHEETING OVER UNEXCAVATED EARTH IN CRAWL SPACE AREAS

FC .. FITTINGS OF FIBERGLASS X

CT 2 .. CEILING TILE 1X1, WHITE DEEP FISSURE ACCESS 1 DAMAGED X

GC 2 .. GLUE GLOBS BROWN FOR CT 2 X ACCESS 1 DAMAGED

CA 1 .. CARPET ADHESIVE, YELLOW FOR GRAY w/ SOME BLACK SPOTS CARPET ACCESS 1 GOOD X

WG .. WINDOW GLAZING, EXTERIOR OF WINDOWS X

CT 3 .. CEILING TILE 1X1 WHITE LARGE HOLES ACCESS 1 SIG DAMAGED X

PL .. PLASTER THROUGHOUT ACCESS 3 GOOD X

CT 4 .. CEILING TILE 2X2 WHITE, FISSURED ACCESS 1 GOOD X

CT 5 .. " " 1X1 " " ACCESS 1 SIG DAMAGED X

GC 3 .. GLUE GLOBS FOR CT 5 ACCESS 1 DAMAGED X

VB 3 .. VINYL BASEBOARD 6" DARK BROWN ACCESS 3 X "

FM .. EXPOSED MASTIC YELLOW ACCESS 3 SIG DAMAGED X (FLOOR OF RM 002

VT .. VINYL THRESHOLD 1" BLACK ACCESS 3 GOOD X

CA 2 .. CARPET ADHESIVE, YELLOW, FOR LIGHT GRAY w/ SMALL BLACK SPOTS CARPET X ACCESS 1 GOOD

FT 3 .. FLOOR TILE, 12"x12", LT GREY SPECKLED, ACCESS 1 GOOD X

FT 4 .. " " " " , LT BROWN " , ACCESS 1 GOOD X

CT 6 .. CEILING TILE 2X4, DEEP FISSURES w/ HOLES WHITE, ACCESS 1 SIG

EWC .. EXTERIOR WINDOW CAULK, BLACK ACCESS 1, SIG DA

BLDG # 3

TB iii	TEXTURE BONED,	WHITE AND BLUE,	ACCESS 3	GOOD	(WALLS OF RM 110)	S + W
VD iii	VIBRATION DAMPER,	WHITE,	ACCESS 3	GOOD	RM 205	
VB4 iiiii	VINYL BASEBOARD,	DARK GRAY, 6"	ACCESS 3	GOOD		
CT7 iii	CEILING TILE, 2x1,	WHITE,	SMALL HOLES	ACCESS 1	DAMAGED	201 RM 206
GG4 iii	GENE CORK,	FOR CT 7,	BROWN	ACCESS 3	GOOD	" "
FS iii	FLOOR STRIPING,	RED	ACCESS 3	GOOD		" "
FT5 iii	FLOOR TILE	12 x 12,	TAN W/ BROWN SPECKLES	ACCESS 3	GOOD	
VD2 iii	VIBRATION DAMPER,	BROWN	= (ATTIC = 4 EACH)			

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

Bldg 3

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

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- ☐ 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
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  - ☐ 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: 10/4/11

VA3

Client Sample #	iATL #	Location/Description	Notes
FT2(1-3)		Mastic only	
FT3(1-3)		↓	
FT5(1-3)		↓	
UE(1-7)		Unexcavated earth	

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

NVLAP®

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

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

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

NVLAP-01S (REV. 2005-05-19)

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:

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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

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101165-0

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2011-07-01 through 2012-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

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

NVLAP-01S (REV. 2005-05-19)

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 - 00019	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: Mark S. Haines

Person conducting fit test: Romeen Tykosha

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: 1/26/11

☐ 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	1/2 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

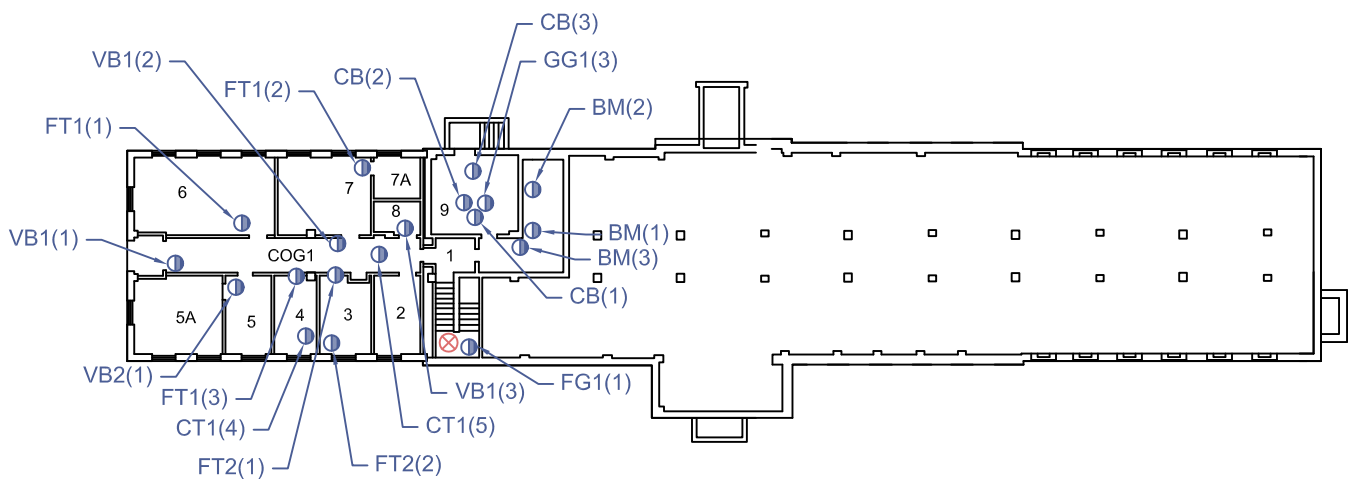
Fitter

1-6-11
Date

APPENDIX D

Material/Sample Location

L:\1686 Tropical Environmental\004 N Chicago VA\CADD\Building 3\1686.004-BLD3-bsmt.dwg 12/14/2011 3:06 PM



1 BASEMENT FLOOR PLAN BUILDING 3
SCALE: 1/32" = 1'-0"

LEGEND	
SYMBOL	**DESCRIPTION**
◑	SAMPLE LOCATION
ASBESTOS CONTAINING MATERIAL (ACM)	
⊗	PIPE FITTINGS ON FIBERGLASS LINES

BUILDING 3

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

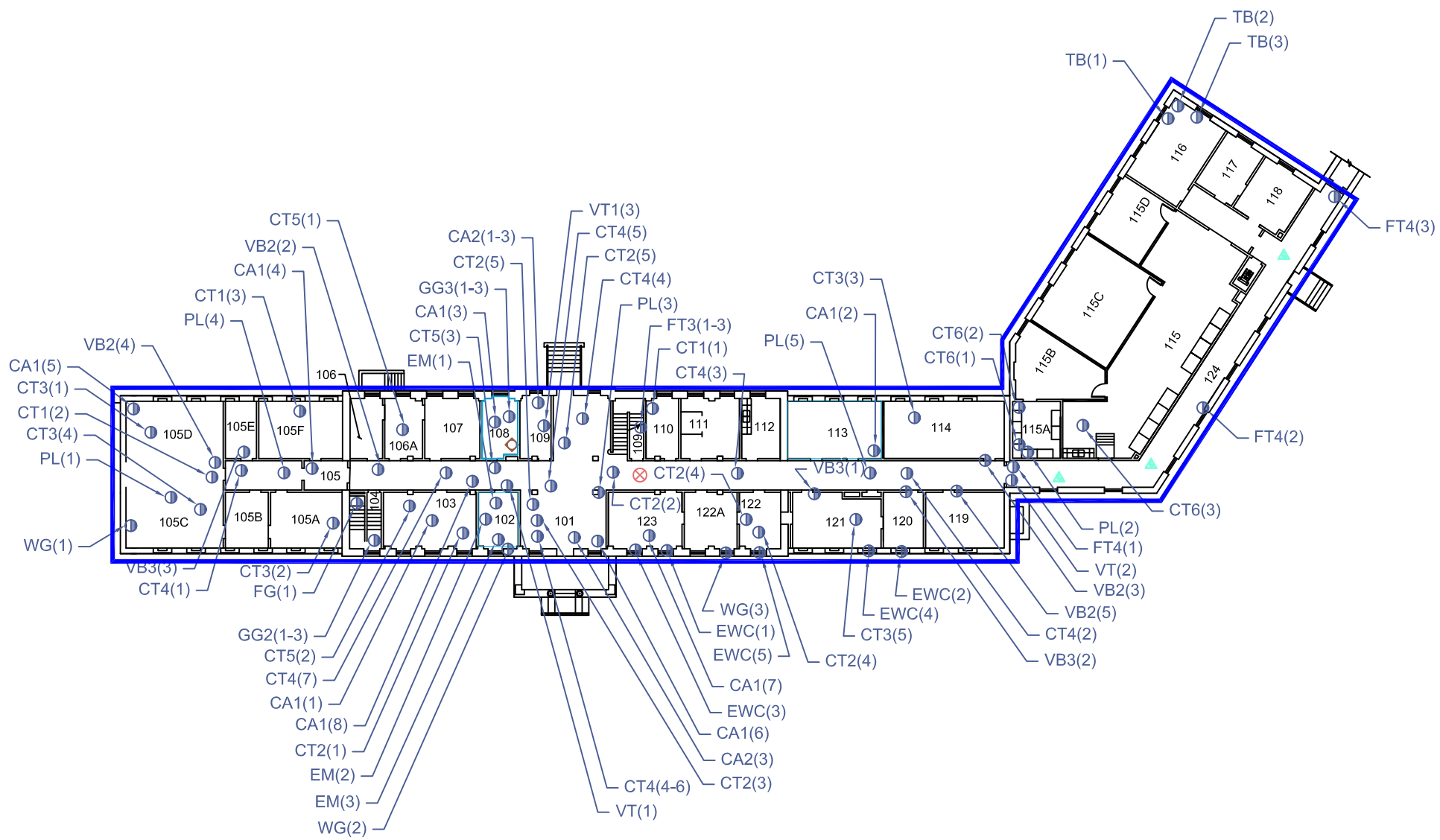
CLIENT: TROPICAL ENVIRONMENTAL, INC.

PROJECT: DEPARTMENT OF VETERANS AFFAIRS/ACM INVENTORY - JAMES A. LOVELL FHCC

ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001224

PROJ. No: 1686.004
DATE: 12/15/2011
DRAWN BY: TBW/MDT
APPROVED BY: SGF

PLOT DATE: 12/15/2011 10:17 AM PLOTTED BY: MISTY THOMPSON



1 FIRST FLOOR PLAN BUILDING 3
SCALE: 1/32" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION
◐	SAMPLE LOCATION
ASBESTOS CONTAINING MATERIAL (ACM)	
◇	GLUE GLOBS, BROWN
▬	WINDOW GLAZING, EXTERIOR
⊗	PIPE FITTINGS ON FIBERGLASS LINES (THROUGHOUT)
▲	TAN MASTIC

BUILDING 3

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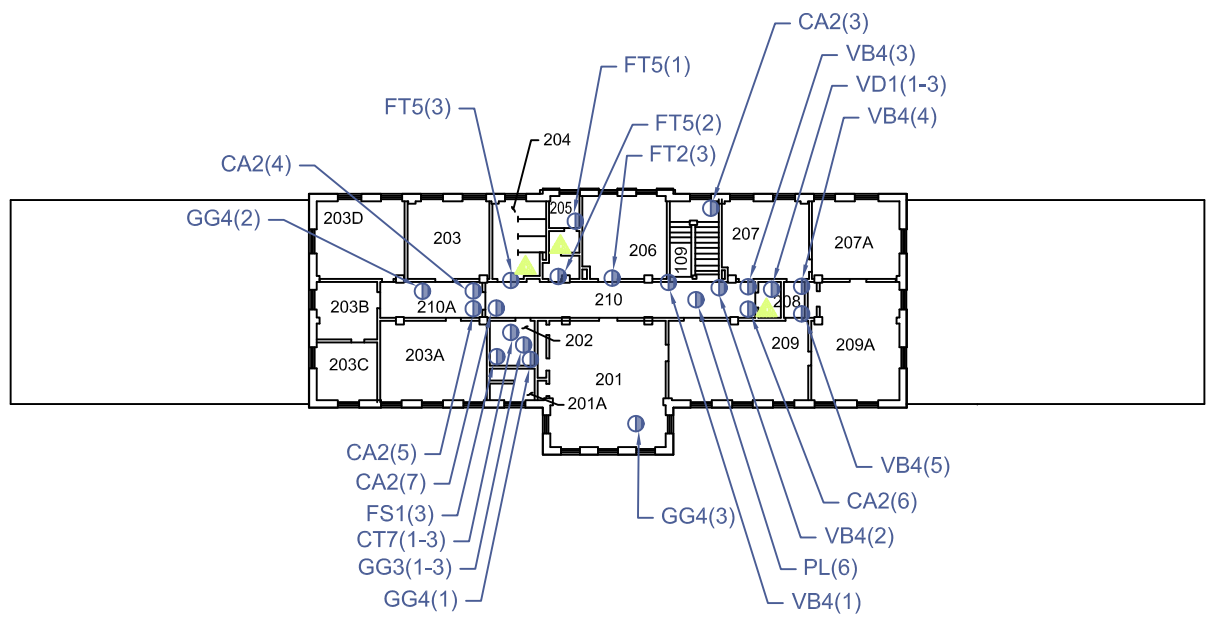
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001224

PROJ. No: 1686.004
DATE: 12/15/2011
DRAWN BY: TBW/MDT
APPROVED BY: SGF

L:\1686 Tropical Environmental\004 N Chicago VA\CADD\Building 3\1686.004-BLD3-1st-Flr.dwg 12/14/2011 3:02 PM
PLOT DATE: 12/15/2011 10:14 AM PLOTTED BY: MISTY THOMPSON

LEGEND	
SYMBOL	**DESCRIPTION**
◐	SAMPLE LOCATION
ASBESTOS CONTAINING MATERIAL (ACM)	
▲	BLACK MASTIC



1 SECOND FLOOR PLAN BUILDING 3
SCALE: 1/32" = 1'-0"

BUILDING 3

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
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PROJECT: DEPARTMENT OF VETERANS AFFAIRS/ACM INVENTORY - JAMES A. LOVELL FHCC

ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001224

PROJ. No: 1686.004
DATE: 1/2/15/2011
DRAWN BY: TBW/MDT
APPROVED BY: SGF

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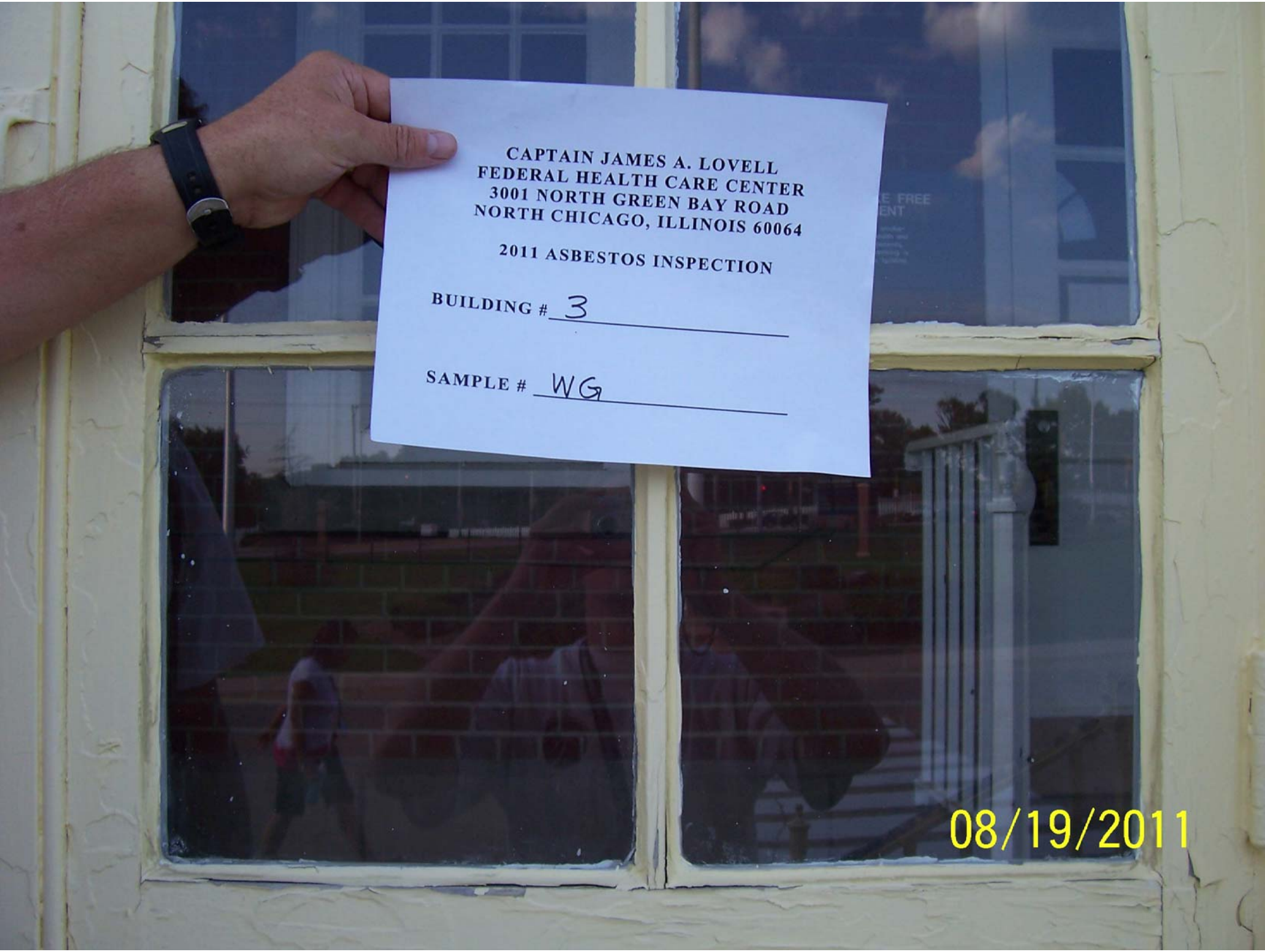
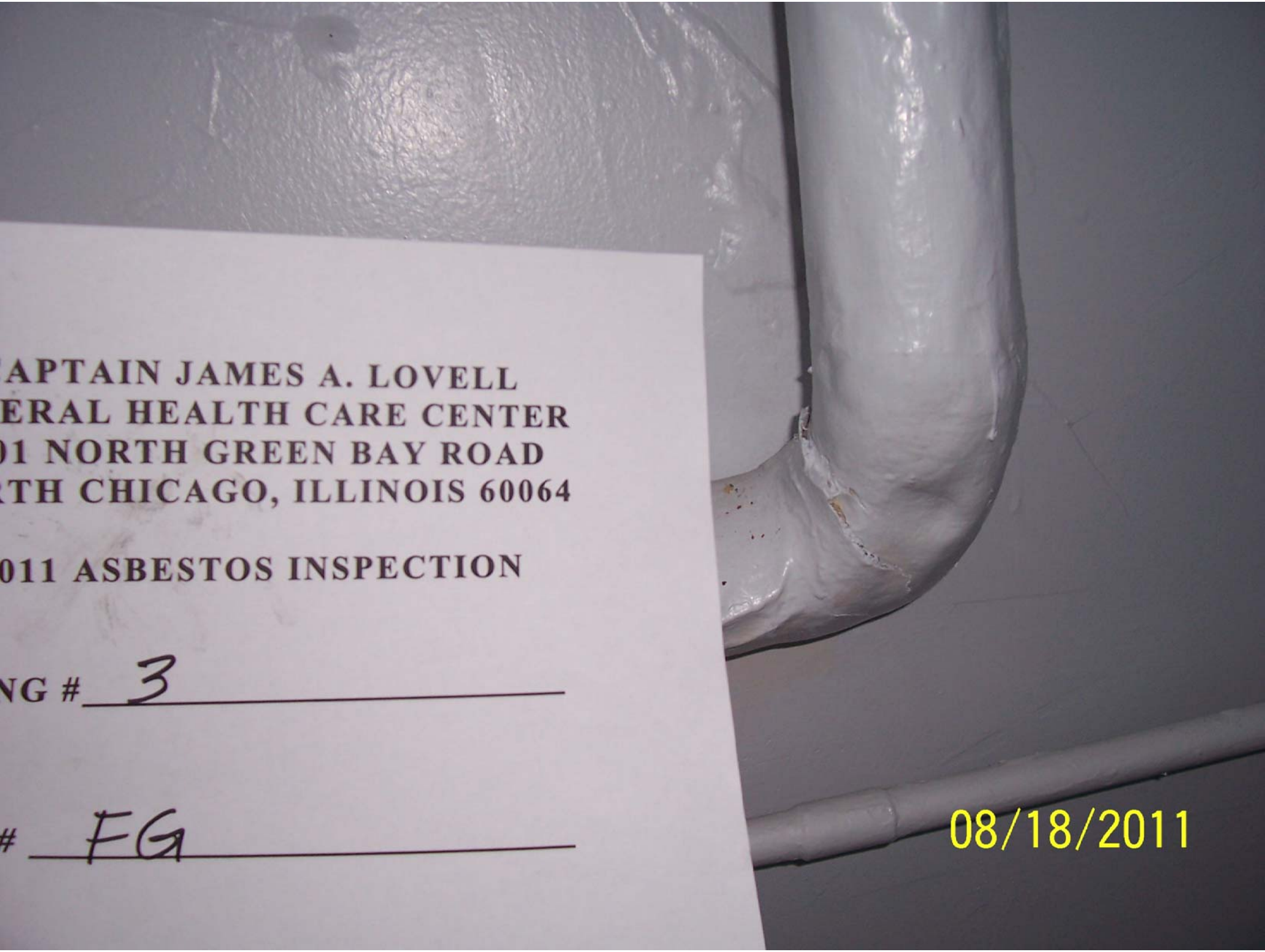
PLOT DATE: 12/15/2011 10:15 AM PLOTTED BY: MISTY THOMPSON

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
BUILDING # 3
SAMPLE # WG
08/19/2011


APTAIN JAMES A. LOVELL
ERAL HEALTH CARE CENTER
01 NORTH GREEN BAY ROAD
RTH CHICAGO, ILLINOIS 60064
011 ASBESTOS INSPECTION
NG # 3
FG
08/18/2011

CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064

2011 ASBESTOS INSPECTION

BUILDING # 3

SAMPLE # FT4

08/18/2011

CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064

2011 ASBESTOS INSPECTION

BUILDING # 3

SAMPLE # FT5

08/19/2011

CAPTAIN JAMES A. LOVELL
FEDERAL HEALTH CARE CENTER
3001 NORTH GREEN BAY ROAD
NORTH CHICAGO, ILLINOIS 60064
2011 ASBESTOS INSPECTION
BUILDING # 3
SAMPLE # GG3
08/19/2011