



ENVIRONMENTAL TESTING & SVC. CO.

Report No: ACM-0223-10-29-12-022

October 29, 2012

Client: Lunacon Construction Group
16890 South Dixie Highway
Miami, Florida 33157

Attn: Ozzie Gomez

Project: Survey for Asbestos Containing Materials
Building 756
Homestead National Guard Armory
Homestead, FL

According to your instructions PbO₃ Environmental Testing & Service Co., Inc. has completed an Asbestos Survey at the subject property (Project). The following pages of this report contain the results of this Inspection. This asbestos inspection report presents data that describes the location of asbestos-containing material (ACM) identified inside the subject property. This report is to be used as a program-planning tool for the proposed maintenance activities scheduled at this facility. This survey was conducted on site by EPA/AHERA trained professional inspector(s).

This report is intended for the exclusive use of our client. The findings are relevant to the conditions observed during the physical process of performing the Inspection. These findings should not be treated as absolute nor should they be relied upon to represent conditions at significantly later dates.

PbO₃ Environmental Testing & Service Co., Inc.

A handwritten signature in black ink, appearing to be 'DM' or similar initials, written in a cursive style.

Dave Mederer
Project Manager

Unofficial without seal
Alfredo Delregato, CIH 9459CP
FLAC # AX80

Asbestos License # ZA 0000205

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1.1 INTRODUCTION

PbO₃ Environmental Testing & Service Co., Inc. was contracted by Lunacon Construction Group, to provide inspection and testing services for suspect asbestos containing materials that may present in Building 756. The building was visually inspected to identify building materials that might contain asbestos. Bulk samples were collected from suspect materials and analyzed to determine if they contained asbestos.

1.2 INSPECTION AND SAMPLING PROCEDURE

PbO₃ inspection and sample collection procedures are based on the Environmental Protection Agency (EPA) protocols.

An initial facility walk through is conducted to familiarize the inspector with the facility layout. The facility is then divided into functional spaces and suspect homogeneous materials are selected for bulk sampling. Samples are collected and placed into separate, sealed plastic bags. Each sample is individually numbered and sample information is entered onto a Field Data Sheet. Sample tools are decontaminated after sample collection. The samples are delivered to an accredited laboratory for analysis, accompanied by a completed Chain of Custody Form.

Suspect materials are divided into three categories: surfacing materials (such as plaster and surface coatings), thermal system insulation (TSI) (such as mudded TSI fittings, duct insulation, and pipe insulation), and miscellaneous material (such as floor tile, drywall, and mastic). Asbestos-Containing Materials (ACM) are classified according to:

- Friability** * Friable
- * Non-friable

Friable materials are materials that, when dry, can be crushed, pulverized, or reduced to powder by hand pressure. Prior to sampling, these materials are wetted with amended water to minimize potential for incidental exposure or accidental fiber release. At the inspector's discretion, personal protective equipment (PPE) is used as an added precaution.

Bulk samples are collected using EPA guidelines for the type of suspect material sampled. Where practical, minimal damage will occur to facility structures or finishes. A particular suspect material may be found in several different locations within a facility. The EPA does not require that these materials be sampled in each location, provided the materials are of the same type, age, appearance, have the same date of installation, and are sampled in accordance with EPA requirements to provide statistically reliable data that can be extrapolated onto all remaining non-sampled areas.

Accredited inspectors determine the number of samples of each material to be collected, depending on the material's category and the amount of material present.

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1.3 METHODS OF LABORATORY ANALYSIS

Samples are analyzed in accordance with AHERA requirements using the following reference methods:

- EPA Interim Method for the Detection of Asbestos in Bulk Insulation Samples (EPA 600/M4-82020, December 1982).
- McCrone Research Institute's The Asbestos Particle Atlas.

All bulk samples are analyzed using PLM visual area estimate (VAE). Friable materials containing asbestos estimated at less than ten percent by PLM-VAE may be reanalyzed by PLM point counting. Additional treatment and tests may be used as required to accurately define composition (i.e., ashing, extractions, and TEM). All bulk sample laboratory reports are verified through an established quality assurance (QA) procedure.

1.4 QUALITY CONTROL PROCEDURES

Laboratories accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) analyze all samples. These laboratories participate in the NVLAP, as well as the American Industrial Hygiene Association (AIHA) Bulk Asbestos Sample Quality Assurance Program. *PbO₃* verifies all sample data for accuracy by cross-referencing Field Data Sheets, Chain of Custody Forms, and field notes.

1.5 DETERMINATION OF ASBESTOS CONTAINING MATERIAL (ACM) CLASSIFICATION

The positive identification of asbestos in a material or product can only be made through laboratory analysis. Visual inspection or common knowledge is not a positive test. The asbestos content of a suspect material is determined by collecting a bulk sample and having it analyzed by PLM. The PLM technique determines the specific type of asbestos present in the bulk sample and VAE provides an estimate of the percentage of asbestos.

The EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) - National Emission Standard for Asbestos (40 CFR Part 61, subpart M) defines a non-friable asbestos-containing material as any material with an asbestos content greater than one percent as determined by PLM analysis. A friable material estimated to contain less than ten percent asbestos as determined by PLM-VAE must be analyzed by PLM point counting and determined to contain less than one- percent asbestos in order to be considered a non-regulated ACM. A clarification memorandum issued by the EPA regarding the NESHAP regulation included the following statement:

The parties legally responsible for a building (owner or operator) may take a conservative approach to being regulated by the NESHAP. The responsible party may choose to act as though the building material is an asbestos-containing material (greater than 1%) at any level of asbestos content (even less than 1% asbestos).

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Thus, if the analyst detects asbestos in the sample and estimates the amount to be less than 10% by visual estimation, the parties legally responsible (owner or operator) of the building may elect to assume the amount to be greater than 1% and treat the material as regulated asbestos containing material or require verification of the amount by point counting.

1.6 INSPECTION LIMITS

Due to the hidden nature of many building components, it may be impossible to determine if all suspect building components have been located and subsequently tested. Destructive testing and/or deconstruction in some instances is not a viable option. Destructive testing can and will be accomplished only after **expressed written permission to do so has been received, thus, releasing any and all our liability.** Therefore, **PbO₃** cannot guarantee and does not warrant that all potential ACM, including variations in the composition of materials which appear similar have been located and that all adverse environmental factors and/or conditions affecting the subject property on the date of the Assessment have been identified. For the same reasons, estimates of the quantities and/or conditions are subject to readily apparent observations. **PbO₃** does warrant, however, that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental industry. **PbO₃** cannot and will not warrant that the Asbestos Survey that was requested by the client will satisfy the dictates of, or provide a legal defense in connection with, any environmental laws or regulations. It is the responsibility of the client to know and abide by all applicable laws, regulations, and standards. The results reported and conclusions reached by **PbO₃** are solely for the benefit of the client. The results and opinions in this report, based solely upon the conditions found on the property as of the date of the Assessment, will be valid only as of the date of the Assessment.

This is a facility that is currently occupied where damage via invasive sampling needed to be minimized. Hypothetical examples include but are not limited to floor tile hidden under carpeting, and not detected by our typical examination of the area under the carpet at a corner(s) or existing hole(s), insulated pipe hidden within a finished wall, an asbestos-cement sewer vent pipe in the wall behind a toilet, asbestos paper/felt between hardwood flooring and the sub-floor or old vinyl floor tile covered over with plywood and newer flooring materials. No attempt was made to disassemble equipment or systems (e.g., fire systems) or demolish components and or destroy finishes as this is beyond the scope of our authorized services. Visual observations were made only at convenient locations. Limited renovation documents for the facility were supplied by our client but original construction drawings and/or documents were not supplied. Therefore our conclusions and recommendations are limited to our physical findings.

Quantities shown in this survey are estimates only, actual quantities may vary. Field verification is the responsibility of the contractor. Contractors are responsible for their own verification of quantities prior to bid submittal.

1.7 STATEMENT OF INACCESSIBILITY, LIMITATIONS & ASSUMPTIONS

There are certain spaces within a building that cannot be accessed during the course of a normal survey, or that destructive sampling would damage the integrity of the suspect component. These materials should be assumed Asbestos Containing Material until sampled. Suspect components not sampled should be incorporated into the Operation & Maintenance Plan for the facility. Those areas and/or components would include, but are not limited to:

1. Inaccessible and/or concealed material above hard ceilings, behind walls, pipe chases, behind furnishings and/or equipment under floors, and underground.
2. As per our client's request the new metal roof was not inspected.
3. Inaccessible rooms that were locked at the time of the inspection.
4. Tunnels which are unknown, enclosed, very small or considered unsafe.
5. Boiler, Boiler Breeching, Exhaust Mufflers and Thermal System Insulation that are enclosed with steel or other materials without access doors or panels were not sampled, unless noted as sampled in this report.
6. To protect the integrity of the fire doors, fire doors, if present were not sampled and are commonly assumed to contain asbestos containing material.
7. HVAC Vibration Dampers are assumed Asbestos Containing Material since sampling will destroy the dampers.
8. Vinyl Flooring and associated mastics are presumed asbestos containing material unless noted in this report as sampled and tested.
9. Materials located at heights not accessible by ladders.
10. Underground pipelines were not sampled.
11. Electrical systems were not sampled.
12. Fire caulks and sealants were not detected, but if present are assumed non-friable asbestos containing material.
13. The asbestos containing vinyl flooring and/or floor mastic may be present under the carpet, ceramic floor tile or concealed by the existing vinyl flooring.

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1.8 INSPECTION DATE AND INSPECTOR INFORMATION:

PbO₃ employee Dave Mederer started the inspection on October 9th and finished on October 11th, 2012.

2.0 FACILITY CONSTRUCTION INFORMATION:

The building is a single story structure with a high bay warehouse and is approximately 20,346 square feet. The building is constructed of concrete (tilt-up) and block with a metal roof. The renovation history is unknown but carpeting, ceiling tile and general décor appeared to be good condition.

2.1 SUSPECT MATERIAL SUMMARY

- Drywall
- Joint Compound
- Thin Set
- Black Mastic under Ceramic Tile- Room B24
- 12x12 Vinyl Floor Tile –Pink
- 12x12 Vinyl Floor Tile –White
- 12x12 Vinyl Floor Tile –Tan
- 12x12 Vinyl Floor Tile –White Streak
- Floor Tile Mastic-Yellow
- Floor Tile Mastic-Tan
- Cove Base Mastic
- Carpet Mastic
- Duct Mastic-White
- Duct Mastic-Gray
- 2x4 Acoustical Ceiling Tile- Pinhole & Worm
- Thermal System Insulation-Chilled Water Lines
- Thermal System Insulation-Fittings- Elbows –Chilled Water
- Thermal System Insulation-Junction Box
- Thermal System Insulation-Black Rubber
- Pump-Exhaust Muffler
- Building Expansion Joint
- Door and Window Caulk
- Concrete
- Wallpaper-Bathrooms
- Under Sink Coating

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Refer to Appendix B –for Sample Locations

If a suspect material is encountered in an area that is not listed as sampled, that suspect material should be assumed ACM until sample collection and subsequent analysis prove otherwise. Suspect materials not previously identified in this report may be encountered during any renovation and/or maintenance activities. These materials should be assumed asbestos containing material until sample collection and subsequent analysis prove otherwise.

2.2 RESULTS

One hundred and twenty-nine (129) samples were analyzed by EPA 600/M4/82/020 Method. Based upon our visual observations, bulk sampling of suspect materials and subsequent microscopic analysis, we have determined that **NO asbestos minerals were detected** in the samples analyzed.

2.3 SUMMARY OF FINDINGS

Based upon our visual observations, site-specific historical data (asbestos laboratory report dated 09-08-03), bulk sampling of suspect materials, and subsequent microscopic analysis, we have determined that **NO Asbestos Containing Material** was detected in the samples analyzed.

No Asbestos was detected in the following components:

- Drywall
- Joint Compound
- Thin Set
- Black Mastic under Ceramic Tile- Room B24
- 12x12 Vinyl Floor Tile –Pink
- 12x12 Vinyl Floor Tile –White
- 12x12 Vinyl Floor Tile –Tan
- 12x12 Vinyl Floor Tile –White Streak
- Floor Tile Mastic-Yellow
- Floor Tile Mastic-Tan
- Cove Base Mastic
- Carpet Mastic
- Duct Mastic-White
- Duct Mastic-Gray
- 2x4 Acoustical Ceiling Tile- Pinhole & Worm
- Thermal System Insulation-Chilled Water Lines
- Thermal System Insulation-Fittings- Elbows –Chilled Water
- Thermal System Insulation-Junction Box
- Thermal System Insulation-Black Rubber
- Pump-Exhaust Muffler
- Building Expansion Joint
- Door and Window Caulk

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- Concrete
- Wallpaper-Bathrooms
- Under Sink Coating

2.4 RECOMMENDATIONS

- That this survey be used to identify asbestos containing material and components prior to any planned renovation.
- Suspect materials not previously identified in this report may be encountered during any renovation and/or maintenance activities. These materials should be assumed asbestos containing material until sample collection and subsequent analysis prove otherwise.

APPENDIX A
LABORATORY RESULTS

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

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AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 1491-12-3224
CLIENT: PbO3 ENV TESTING & SERVICES INC
ADDRESS: 473 N PINE MEADOW DR
DEBARY, FL 32713
PROJECT NAME: Homestead NG Armory
JOB LOCATION: Building No. 756
PROJECT NO.: 12-244-122-56
PO NO.:

DATE COLLECTED: 10/9/2012
DATE RECEIVED: 10/18/2012
DATE ANALYZED: 10/21/2012
DATE REPORTED: 10/22/2012

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B22-1	31654290	Break Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-A19-1A	31654291	Break Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-930 Alt- 1B	31654292	Break Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 7

Results relate only to samples as received by the laboratory.

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Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-A22-1C	31654293	Break Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-WR-1D	31654294	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B21B-1E	31654295	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B13-1F	31654296	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B26-1G	31654297	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B15-1H	31654298	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-A19-11	31654299	Waiting Room		
Layer 1:	Drywall White, Powdery		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:	Joint Compound White, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B24-2	31654300	Waiting Room		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B24-2A	31654301	Waiting Room		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B24-2B	31654302	Waiting Room		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-MB-2C	31654303	Men's Room Section B		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-WA-2D	31654304	Women's Room A		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-MA-2E	31654305	Men's Room A		
Layer 1:	Granular Material Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-B24-3	31654306	Room B24		
Layer 1:	Mastic Black, Bituminous		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B24-3A	31654307	Room B24		
Layer 1:	Mastic Black, Bituminous		None Detected	100% NON FIBROUS MATERIAL
756-B24-3B	31654308	Room B24		
Layer 1:	Mastic Black, Bituminous		None Detected	100% NON FIBROUS MATERIAL
756-B22-4	31654309	Two Layers		
Layer 1:	Vinyl Covering Tile Pink, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Hall-4A	31654310	Section B		
Layer 1:	Vinyl Covering Tile Pink, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Hall-4B	31654311	Section B		
Layer 1:	Vinyl Covering Tile Pink, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-B13-6	31654312	Section B		
Layer 1:	Vinyl Covering Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B21-6A	31654313	Section B		
Layer 1:	Vinyl Covering Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-B21A-6B	31654314	Section B		
Layer 1:	Vinyl Covering Tile Container contained no sample.			
756-A27-7	31654315	Section B		
Layer 1:	Vinyl Covering Tile Tan, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Hall A-7A	31654316	Section B		
Layer 1:	Vinyl Covering Tile Tan, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A1-7B	31654317	Section B		
Layer 1:	Vinyl Covering Tile Tan, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A19-8	31654318	Section B		
Layer 1:	Vinyl Covering Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-A19-8	31654319	Section B		
Layer 1:	Vinyl Covering Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A19-8	31654320	Section B		
Layer 1:	Vinyl Covering Tile White, Organically Bound		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A19-9	31654321	Cove Base Mastic		
Layer 1:	Cove Base Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A20-9A	31654322	Cove Base Mastic		
Layer 1:	Cove Base Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-AE-9B	31654323	Cove Base Mastic		
Layer 1:	Cove Base Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-B21-9C	31654324	Cove Base Mastic		
Layer 1:	Cove Base Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Hall B-9D	31654325	Cove Base Mastic		
Layer 1:	Cove Base Mastic Yellow, Soft		None Detected	100% NON FIBROUS MATERIAL
756-B14-10	31654326	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL


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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B13-10A	31654327	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-B5-10B	31654328	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A17-10C	31654329	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-A28-10D	31654330	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-S3-10F	31654331	Carpet Mastic		
Layer 1:	Carpet Mastic Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-WR-11	31654332	Duct Mastic		
Layer 1:	Duct Mastic White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-930 Alt- 11A	31654333	Duct Mastic		
Layer 1:	Duct Mastic White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-A19-11B	31654334	Duct Mastic		
Layer 1:	Duct Mastic White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-B21-11C	31654335	Duct Mastic		
Layer 1:	Duct Mastic White, Soft		None Detected	100% NON FIBROUS MATERIAL


Analyst: **SAMANI ABDELFADEL**

Reviewed By: **Hind Eldanaf, Microscopy Supervisor****Total Number of Pages in Report: 7**

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method¹ 600/R-93/116

Using SLI A6

ACCOUNT #: 1491-12-3225
CLIENT: PbO3 ENV TESTING & SERVICES INC
ADDRESS: 473 N PINE MEADOW DR
DEBARY, FL 32713
PROJECT NAME: Homestead NG Armory
JOB LOCATION: Bldg 756 HomesteadFL
PROJECT NO.: 12-244-122-56
PO NO.:

DATE COLLECTED: 10/10/2012
DATE RECEIVED: 10/18/2012
DATE ANALYZED: 10/19/2012
DATE REPORTED: 10/19/2012

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B14-11D	31654382	Hall		
Layer 1:	Duct Mastic White, Soft		None Detected	3% WOLLASTONITE 97% NON FIBROUS MATERIAL
756-B26-11E	31654383	Hall		
Layer 1:	Duct Mastic White, Soft		None Detected	3% WOLLASTONITE 97% NON FIBROUS MATERIAL
756-Mech- 11F	31654384	Mech Rm		
Layer 1:	Duct Mastic White, Soft		None Detected	2% WOLLASTONITE 98% NON FIBROUS MATERIAL
756-Mech- 11G	31654385	Mech Rm		
Layer 1:	Duct Mastic White, Soft		None Detected	3% WOLLASTONITE 97% NON FIBROUS MATERIAL

Total Number of Pages in Report: 8

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B24-11H	31654386	Rm 24		
Layer 1:	Duct Mastic Gray, Soft		None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
756-B24-11I	31654387	Rm 24 Storage		
Layer 1:	Duct Mastic Gray, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-930Alt-12	31654388	Hall Next To 930 Alt		
Layer 1:	Ceiling Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-A27-12A	31654389	Hall Next To 930 Alt		
Layer 1:	Ceiling Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-A21-12B	31654390	Hall Next To 930 Alt		
Layer 1:	Ceiling Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-A19-12C	31654391	Hall Next To 930 Alt		
Layer 1:	Ceiling Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-A10-12D	31654392	Hall Next To 930 Alt		
Layer 1:	Ceiling Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-B21-12E	31654393	Hall Next To 930 Alt		
Layer 1:	Acoustical Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-B5-12F	31654394	Hall Next To 930 Alt		
Layer 1:	Acoustical Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-B22-12G	31654395	Hall Next To 930 Alt		
Layer 1:	Acoustical Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-B14-12H	31654396	Hall Next To 930 Alt		
Layer 1:	Acoustical Tile White, Fibrous		None Detected	85% CELLULOSE FIBER 15% NON FIBROUS MATERIAL
756-A27-13	31654397	Above Ceiling Rm A27		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
756-A27-13A	31654398	Above Ceiling Rm A27		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
756-Out-13B	31654399	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	6% CELLULOSE FIBER 94% NON FIBROUS MATERIAL
756-Out-13C	31654400	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-Out-13D	31654401	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-Out-13E	31654402	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
756-Out-13F	31654403	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-Out-13G	31654404	Outside Chiller		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-Ware-131	31654405	Warehouse		
Layer 1:	TSI Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
Layer 2:	Cover White, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-A21-14	31654406	Above Ceiling Rm A21		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-A22-14A	31654407	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Mech-14B	31654408	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Mech-14C	31654409	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Out-14D	31654410	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Ware-14E	31654411	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Ware-14F	31654412	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Cementitious		None Detected	100% NON FIBROUS MATERIAL
756-Ware-14G	31654413	Above Ceiling Rm A22		
Layer 1:	Concrete Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
756-A-M15	31654414	Mens Rm Sect B		
Layer 1:	Wallpaper Pink, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-A-M15A	31654415	Womens Rm Sect B		
Layer 1:	Wall Plaster Pink, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
756-A-M15B	31654416	Mens Rm Sect B		
Layer 1:	Wall Plaster Pink, Fibrous		None Detected	65% CELLULOSE FIBER 35% NON FIBROUS MATERIAL
756-B22-16	31654417	Break Rm		
Layer 1:	Coating Gray, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-B22-16A	31654418	Break Rm		
Layer 1:	Coating Gray, Soft		None Detected	3% CELLULOSE FIBER 97% NON FIBROUS MATERIAL
756-B22-16B	31654419	Break Rm		
Layer 1:	Coating Gray, Soft		None Detected	5% CELLULOSE FIBER 95% NON FIBROUS MATERIAL
756-Mech-17	31654420	Mech Rm		
Layer 1:	Coating Black, Spongy		None Detected	100% NON FIBROUS MATERIAL
756-Mech-17A	31654421	Mech Rm		
Layer 1:	Coating Black, Spongy		None Detected	100% NON FIBROUS MATERIAL
756-Mech-17B	31654422	Mech Rm		
Layer 1:	Coating Black, Spongy		None Detected	100% NON FIBROUS MATERIAL
756-Pump-18	31654423	Pump Rm		
Layer 1:	Fibrous Material White, Fibrous		None Detected	85% MINERAL/GLASS WOOL 15% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-Pump-18A	31654424	Pump Rm		
Layer 1:	Fibrous Material White, Fibrous		None Detected	85% MINERAL/GLASS WOOL 15% NON FIBROUS MATERIAL
756-Pump-18B	31654425	Pump Rm		
Layer 1:	Fibrous Material White, Fibrous		None Detected	85% MINERAL/GLASS WOOL 15% NON FIBROUS MATERIAL
756-Out-19	31654426	Outside E		
Layer 1:	Rubbery Material Brown, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-19A	31654427	Outside S		
Layer 1:	Rubbery Material Brown, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-19B	31654428	Outside W		
Layer 1:	Rubbery Material Brown, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-20	31654429	Section A		
Layer 1:	Caulk Gray, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-20A	31654430	Section A		
Layer 1:	Caulk Gray, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-20B	31654431	Section A		
Layer 1:	Caulk Gray, Rubbery		None Detected	100% NON FIBROUS MATERIAL
756-Out-20C	31654432	Section B		
Layer 1:	Caulk Gray, Rubbery		None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
756-Out-20D	31654433	Section B		
Layer 1:	Caulk Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Out-20E	31654434	Section B		
Layer 1:	Caulk Tan, Soft		None Detected	100% NON FIBROUS MATERIAL
756-Out-20F	31654480	Section B		
Layer 1:	Caulk Tan, Soft		None Detected	100% NON FIBROUS MATERIAL



Analyst:

HALA A. OSMAN



Reviewed By:

Hind Eldanaf, Microscopy Supervisor

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1491-12-3224

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CHAIN OF CUSTODY DOCUMENT- ASBESTOS BULK SAMPLES PAGE 1 of 7

Project Number: 12-244-122-56
 Project Name: Homestead NG Armory
 Project Address: Building No. 756
 Homestead, FL
 Lunacon
 Client Name: Dave Mederer
 Inspector: Dave Mederer

Lab Name: Schneider Laboratories
 Address: 2512 West Cary, Street
 Richmond, VA 23220
 Turnaround: 6Hrs ___ 12Hrs ___ 24 Hrs ___ 48Hrs ___
 3 Days ___ X ___ Other ___
 Analysis Type: PLM - POSITIVE STOP

Date	Sample Number	Description	Location	Comments
10-9-12	756-B22-1	Drywall & Joint	Break Room	Rm #-in Sample No
	756-A19-1A	Drywall & Joint		
	756-930 Alt-1B	Drywall & Joint		
	756-A22-1C	Drywall & Joint		
	756-WR-1D	Drywall & Joint	Waiting Rm	
	756-B21B-1E	Drywall & Joint		
	756-B13-1F	Drywall & Joint		
	756-B26-1G	Drywall & Joint		
	756-B15-1H	Drywall & Joint		
	756-A19-1I	Drywall & Joint		
	756-B24-2	Thin Set		
	756-B24-2A	Thin Set		
	756-B24-2B	Thin Set		
	756-MB-2C	Thin Set	Mens Rm Section B	
	756-WA-2D	Thin Set	Women's Rm A	
	756-MA-2E	Thin Set	Men's Rm A	
Relinquished By: Dave Mederer				
Received By: <i>[Signature]</i>				
Date: 10-15-12				
Time: 1735				



Received By: *[Signature]* Date: 10/18/12 Time: 9:50