

**LIMITED ASBESTOS SURVEY**  
***Optical Shop***

PERFORMED AT

**BAY PINES VA HEALTHCARE SYSTEMS**  
**OPTICAL ROOM**  
**10000 BAY PINES BLVD ST. PETERSBURG, FL 33708**

PREPARED FOR



***U.S. Department of Veterans Affairs***  
**10000 BAY PINES BLVD**  
**ST. PETERSBURG, FL 33708**

PREPARED BY



**5420 Bay Center Drive, Suite 100**  
**Tampa, FL 33609**  
**(813) 626-8156**

**PROJECT NO. 150116-AS**

PREPARED ON

***July 22, 2015***



July 22, 2015

Ms. Claudia Boutot  
General Engineer  
VA HealthCare Systems  
10000 Bay Pines Blvd  
St. Petersburg, FL 33708

**Re: Limited Asbestos Survey  
Bay Pines VA Healthcare Systems  
10000 Bay Pines Blvd  
St. Petersburg, FL 33708  
OHC Project No. 150116-AS**

Dear Ms. Boutot ,

OHC Environmental Engineering, Inc. (OHC) is pleased to present the report for the Asbestos Limited Survey performed on July 15, 2015. These services were conducted in the optical RM of building 100 at the VA Heath care facility, located at 10000 Bay Pines Blvd, St. Petersburg, FL 33708

If we can be of any further assistance or you have any questions, please contact us at your convenience.

Sincerely,

A handwritten signature in black ink that reads "James Rizk".

James Rizk, MS, CIH  
President

# ASBESTOS LIMITED SURVEY REPORT

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**OHC PROJECT NO.:** 150116-AS

**PROJECT NAME:** Asbestos Limited Survey  
VA Medical Healthcare Systems

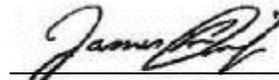
**ADDRESS:** 10000 Bay Pines Blvd  
St. Petersburg, Fl 33708

**DATE OF SURVEY:** July 15, 2015

**CONSULTING FIRM:** OHC Environmental Engineering, Inc.  
5420 Bay Center Drive, Suite 100  
Tampa, Florida 33609

**SURVEYOR:** Justin Carman

**FLAC:**



James Rizk

LAC # IA0000022

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## 1.0 EXECUTIVE SUMMARY

### 1.1 Scope of Work

OHC Environmental Engineering's scope of work for the Optical room in building 106 at the VA Healthcare Medical Center located at 10000 Pay pines Blvd, St. Petersburg, FL 33708 included the following:

- A site visit and inspection by an Asbestos Hazard Emergency Response Act (AHERA) accredited asbestos building inspector working under the supervision of a Florida Licensed Asbestos Consultant (LAC) to identify suspect Asbestos Containing Material (ACM).
- Sampling and analysis of accessible suspect ACM.
- Preparation of a comprehensive report documenting the location, quantity, and asbestos content of all sampled and analyzed suspect ACM and the category and hazard assessment of identified and assumed ACM.

### 1.2 Asbestos Survey Results

Based on the results of the Polarized Light Microscopy (PLM) laboratory analysis, asbestos was identified as indicated in Table 1.

TABLE 1: HOMOGENEOUS AREAS Optical Room, Building 100Bay Pines 10000 Bay Pines Blvd, St. Petersburg, FL 33708						
HA #	Sample #	Type of Material	Location	Approx. Quantity	Category	Asbestos Content
1	1-A	Mastic	North end of Optical Room	5 SF	I	4% Chrysotile
2	2-A	Vinyl Floor Tile & Black Mastic	North end of Optical Room	20 SF	I	3% Chrysotile

The floor tile and mastic are category I non-friable Asbestos containing material. This material must be removed by a Licensed Asbestos contractor prior to disturbance.

## 2.0 INTRODUCTION

OHC Environmental Engineering Inc. was contracted by Ms. Claudia Boutot to conduct an Asbestos survey of the Optical room located in Building 100. The survey was performed by Mr. James F. Rizk and Mr. Justin Carman on July 15, 2015.

### 3.0 ASBESTOS SURVEY

Asbestos **was identified** in samples of suspect ACM.

#### 3.1 Homogeneous Areas

A Homogeneous Area (HA) is defined by the Environmental Protection Agency as “an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in construction, age, use, color and texture.”

**Table 2** summarizes the number of samples collected, sample numbers, type of material, locations, and the quantity of material for each HA identified by the surveyor. The table indicates if asbestos was identified in the samples collected within each HA.

TABLE 2: HOMOGENEOUS AREAS Optical Room, Building 100 Bay Pines 10000 Bay Pines Blvd, St. Petersburg, FL 33708						
HA #	# of Samples	Sample #	Material Type	Location	Approx. Quantity	Asbestos (Y/N)
1	1	1-A	Black Mastic	North end of Optical Room floor	5 SF	Y
2	3	2-A	Black Mastic/Floor Tile	North End of Optical Room floor	20 SF	Y
3	3	3-A 3-B 3-C	Yellow Mastic/Flooring	Center of Optical Room floor	100 SF	N
4	3	4-A 4-B 4-C	Carpet/Yellow Mastic	South end of Optical Room floor	250 SF	N
5	3	5-A 5-B 5-C	12 x 12 VCT/Yellow Mastic	South end of Optical Room floor	150 SF	N

#### 3.2 Limitations

Estimates of quantities and evaluation of conditions were subject to accessible materials. OHC warrants that the investigations and methodology reflect the prevailing standard of work practices in the environmental consulting field.

This survey was limited to the areas that may be disturbed during the renovation of the Optical Shop only. Materials located outside the scope of this survey must be assumed to contain asbestos or sampled and analyzed for asbestos content prior to disturbance.

### 3.3 Conclusion

Based on the laboratory analysis of samples collected from the site and site observations, **ACM does exist within the scope of this survey.**

The Environmental Protection Agency defines asbestos-containing material (ACM) as any material or product that contains more than one percent asbestos.

### 3.4 Regulatory Requirements

#### Demolition

According to NESHAP, 40CFR61 Subpart M, demolition is defined as the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility.

The final NESHAP Rule provides classification for regulated asbestos containing material as follows:

- Friable asbestos material;
- Category I non-friable ACM that has become friable;
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; or
- Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act upon the material in the course of demolition or renovation operations.

If the total asbestos content is determined to be trace to 10%, the owner must either assume that the material contains greater than 1% asbestos and treat the material as RACM or have the material verified/quantified by point counting. If after point counting, the material is quantified as 1% or less, it is not regulated by the NESHAP.

Occupational Safety and Health Administration (OSHA):

OSHA considers material that contains any amount of asbestos as asbestos-containing and requires compliance with OSHA regulations. The demolition of a structure with materials present that contain any amount of asbestos is considered by OSHA as an asbestos abatement, and all applicable OSHA rules must be complied with during the demolition.

### **Notification**

Notification is required to the local regulatory agency:

- 1. Ten (10) working days prior to a demolition.**
2. Ten (10) working days prior to a renovation operation, if the amount of asbestos material removed or impacted is greater than 160 sq. ft. on all building components (i.e. floor tile, mastic, GWBS, etc.) or 260 lin. ft. on pipes.
3. One (1) day prior to demolition, if the building has been condemned and is structurally unsound as determined by the appropriate agency.

Notification must be sent by certified mail with return receipt or hand delivered to the Florida Department of Environmental Protection.

The demolition contractor must wait ten (10) working days (Monday – Friday) from the postmarked date of mailing or the date of hand delivery to commencement of demolition.

Any change to the start date of the demolition requires notification to the agency by phone, followed by a written revision to the Notification Form.

### **3.5 Statutory Requirements**

The regulatory agency responsible for the oversight of the rules pertaining to asbestos-containing building materials (ACBM) is the Environmental Protection Agency (EPA). The regulations state that prior to demolition or renovation a facility survey must be conducted in accordance to section 40 CFR 61-M National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revisions, Final Rule.

Enforcement of these rules was passed on to the states. In the State of Florida they are enforced by the Department of Environmental Protection (DEP). Some counties have developed an enforcement division to carry out the responsibilities of the DEP and have developed environmental and asbestos ordinances with which compliance is required.

## **4.0 SAMPLING METHODS**

The surveyor did not use construction plans for this survey.

The surveyor conducted a visual inspection of every safe and reasonably accessible room and space of the building and identified homogeneous areas based on the texture, appearance, and use of suspect ACM.

The surveyor collected bulk samples of all friable and non-friable suspect ACM. The surveyor collected a representative number of samples from each homogeneous area following the EPA's simplified random sampling method (EPA560/585-030a). The surveyor followed good Industrial Hygiene practices when collecting bulk samples in order to minimize fiber release. The surveyor took every precaution required to prevent asbestos exposure to him, the building occupants, and the public.

The surveyor logged all sample locations with the description of each sample location and marked the sample locations on any available drawings. The surveyors identified each area using a unique sequential numbering system.

The surveyor placed each bulk sample in a labeled bag and immediately marked the bag with a sample number.

The surveyor submitted a chain of custody form with each sample group submitted for analysis. The form was signed by laboratory personnel handling the sample(s) and returned with the sample results.

EMSL Analytical, a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory, analyzed the samples for asbestos content.

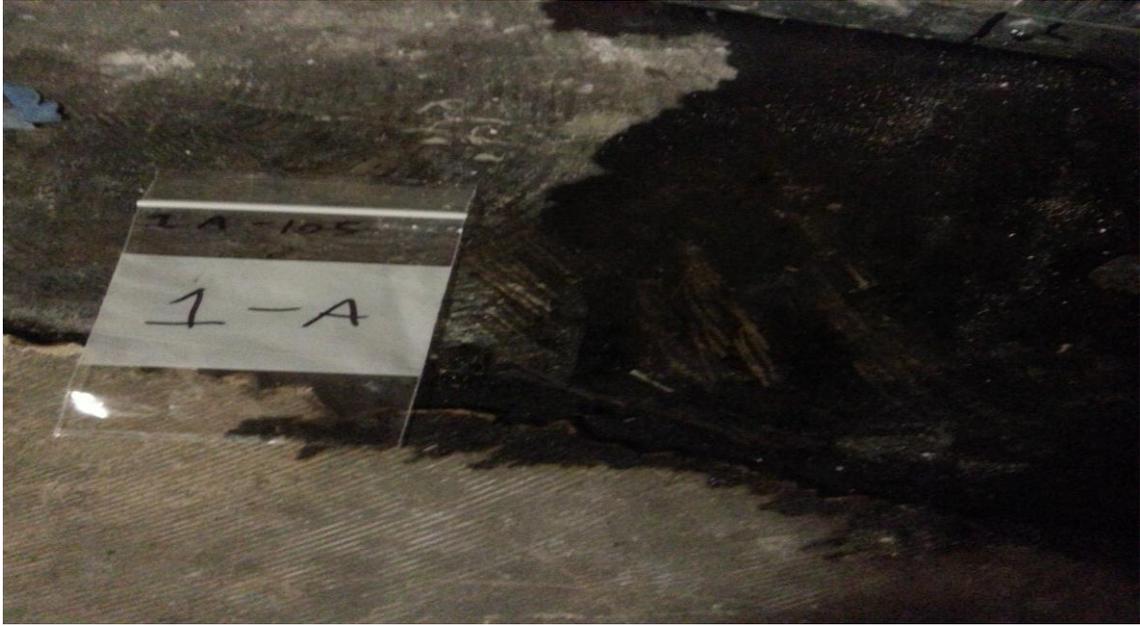
## **5.0 DOCUMENT CONTENT**

The knowledge of the consultant is based upon current information and research. If local knowledge indicates error, omissions, or inaccuracy, please notify the consultant.

## **6.0 DOCUMENT USE**

This document and all attachments provided are for the exclusive use of Bay Pines VA Hospital

**SECTION 7.0**  
**PHOTOGRAPHS**



**Homogeneous Area 1- Black Mastic**



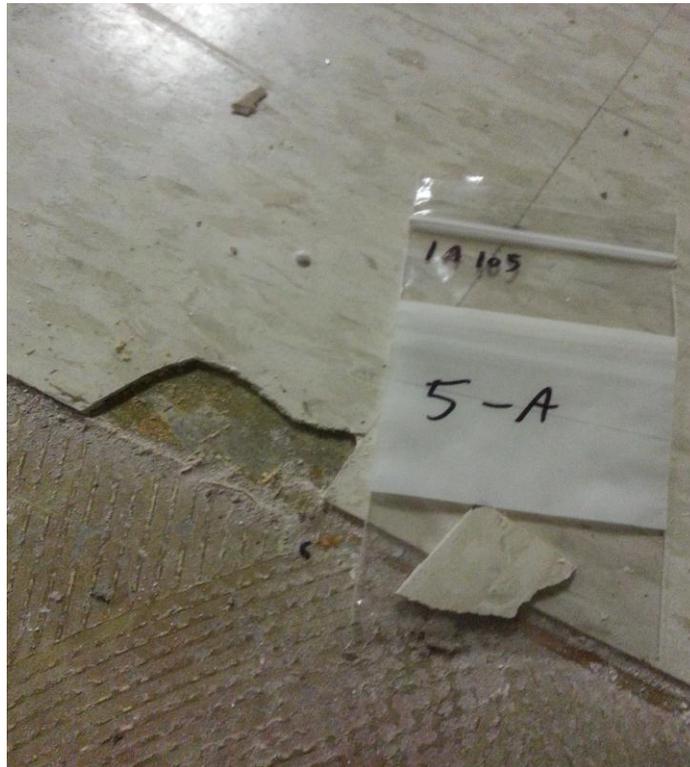
**Homogeneous Area 2- Floor Tile & Mastic**



**Homogeneous Area 3- Yellow Mastic**



**Homogeneous Area 4- Yellow Mastic under Carpet**



**Homogeneous Area 5- Floor Tile & Mastic, South end of Optical Room**

**SECTION 8.0**

**LABORATORY ANALYTICAL DATA**



# Air Quality Environmental, Inc.

Laboratory Services

9325 Seminole Boulevard, Seminole, Florida 33772 (727) 398-0900 FAX (727) 398-0996

Client Name: OHC Environmental Engineering  
5420 Bay Center Drive, Suite 100  
Tampa, FL 33609

Project Name: #150116 Bay Pines VA  
10000 Bay Pines Blvd, St Petersburg, FL 33708  
Date Analyzed: July 17, 2015

### Asbestos, Bulk Sample Analysis

Test Method: PLM / DS - EPA Method - 600/R-93/116 - EPA 600/M4-82-020

Lab #	Client #	Sample Type	Description	% Asbestos	% Other Fibers	% Binders	
277700	1-A	Mastic	black	<b>4% Chrysotile</b>		96% Bitumen and Binders	
277701	2-A	Flooring	gray compound white tile black mastic	NAD NAD <b>3% Chrysotile</b>	15% Cellulose	85% Carbonates and Binders 100% Carbonates and Binders 97% Bitumen and Binders	
277702	2-B	Flooring	Not Analyzed, First Positive Stop Protocol				
277703	2-C	Flooring	Not Analyzed, First Positive Stop Protocol				
277704	3-A	Flooring	brown vinyl gray compound yellow mastic	NAD NAD NAD	10% Glass Fibers 15% Cellulose	90% Synthetics and Binders 85% Carbonates and Binders 100% Binders	
277705	3-B	Flooring	brown vinyl gray compound yellow mastic	NAD NAD NAD	10% Glass Fibers 15% Cellulose	90% Synthetics and Binders 85% Carbonates and Binders 100% Binders	
277706	3-C	Flooring	brown vinyl gray compound yellow mastic	NAD NAD NAD	10% Glass Fibers 15% Cellulose	90% Synthetics and Binders 85% Carbonates and Binders 100% Binders	
277707	4-A	Carpet Mastic	yellow	NAD		100% Binders	
277708	4-B	Carpet Mastic	yellow	NAD		100% Binders	
277709	4-C	Carpet Mastic	yellow	NAD		100% Binders	
277710	5-A	Flooring	white tile tan mastic	NAD NAD		100% Carbonates and Binders 100% Binders	
277711	5-B	Flooring	white tile yellow mastic	NAD NAD		100% Carbonates and Binders 100% Binders	
277712	5-C	Flooring	white tile yellow mastic	NAD NAD		100% Carbonates and Binders 100% Binders	

†These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than 1% asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials which are friable or may become friable, be further analyzed by point counting when the results indicate less than 10% asbestos by CVAE. Air Quality Environmental utilizes CVAE on a routine basis and does not include point counting unless specifically requested. Additionally, these results may not be reproduced except in full. This report data is to be interpreted only by the person (s) whom have collected the samples. Furthermore, this report may not be used as a claim to product certification, approval or endorsement by NVLAP, NIST or any other agency of the Federal Government.

†Floor Tile and other resinously bound materials, when analyzed by EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, AQE recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Analyzed by:

Leanne Giles  
Microscopist



5420 Bay Center Drive, Suite 100  
 Tampa, Florida 33609  
 Phone: (813) 626-8156

Job No. 33160

Date: 7/15/2015  
 Inspector: Justin Carman  
 Project No.: 150116  
 Total # of Samples: 13

Building Name/Address: Bay Pines VA/10000 Bay Pines Blvd N St. Pete, FL 33708

HSA	Sample No.	Material Description (include size and color)	Sample Location	Homogeneous Area Locations	Quantity	Condition G / F / P *	Potential for Disturbance H / M / L **	Friable Y / N
	1-A	Black Mastic	Door 2 area	1A105	5 sqf			
	2-A	Black Mastic/VCT/	Door 2 area	1A105	25 sqf			
	2-B		Door 2 area					
	2-C		Door 2 area					
	3-A	Yellow Mastic/manoliu	Room Center	1A105	120 sqf			
	3-B							
	3-C							

\* Conditions: G = Good, F = Fair, P = Poor

\*\* Potential for Disturbance: H = High, M = Moderate, L = Low

Send Results to: Jennifer Vattimo-Smith

Laboratory Name: PLM

Positive Stop? Y N

Turnaround Time: 24-Hours

Date Relinquished: 7/15/2015

Time Relinquished: 5:00 PM

Relinquished by: Jim Rizk

Signature

**OHIC**  
 JUL 16 2015

277700-277712

BY: 4:05 PM



5420 Bay Center Drive, Suite 100  
 Tampa, Florida 33609  
 Phone: (813) 626-8156

Date: \_\_\_\_\_  
 Inspector: \_\_\_\_\_  
 Project No.: \_\_\_\_\_  
 Total # of Samples: \_\_\_\_\_

Building Name/Address: \_\_\_\_\_

HSA	Sample No.	Material Description (include size and color)	Sample Location	Homogeneous Area Locations	Quantity	Condition G / F / P *	Potential for Disturbance H / M / L **	Friable Y / N
	4-A	Carpet/ Mastic	Door 1 Area	1A105	250 sqf			
	4-B							
	4-C							
	5-A	VCT/ Mastic	Door 1 Area	1A105	150 sqf			
	5-B							
	5-C							

\* Conditions: G = Good, F = Fair, P = Poor  
 \*\* Potential for Disturbance: H = High, M = Moderate, L = Low

**Send Results to:** \_\_\_\_\_  
 Laboratory Name: \_\_\_\_\_  
 Type of Analysis: PLM Point Count  
 Turnaround Time: Same Day 24-Hours 48-Hours 72-Hours  
 Date Relinquished: \_\_\_\_\_  
 Time Relinquished: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Signature: \_\_\_\_\_

**SECTION 9.0**

**CONSULTANT AND LABORATORY CREDENTIALS**

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AC# 6440501

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
ASBESTOS LICENSING UNIT

SEQ# L12100402769

DATE	BATCH NUMBER	LICENSE NBR
10/04/2012	128114335	IA0000022

The ASBESTOS CONSULTANT  
Named below IS LICENSED  
Under the provisions of Chapter 469 FS.  
Expiration date: NOV 30, 2014

RIEK, JAMES FAHMY  
5420 BAY CENTER DRIVE  
SUITE 100  
TAMPA

FL 33609

RIEK SCOTT  
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON  
SECRETARY

