
Limited NESHAP Renovation Asbestos Survey

Bay Pines VA - Building 100
Portions of Ward 3A
10000 Bay Pines Boulevard
Bay Pines, Pinellas County, Florida 33711

March 21, 2014

Prepared for:

Mr. Jim Charlton, PMP
Bay Pines VAHCS
PO Box 5005 (138P) Bldg. 35
Bay Pines, Florida 33744



Victor Rivera
Florida Certified Inspector

Date 4/3/2014


Dr. Robert D. Mitchell
LAC# DD 0000007

Date April 3, 2014

AD# 31547

Prepared by:

APOLLO ENVIRONMENTAL, INC.

P.O. Box 239
Gibsonton, Florida
(800) 348-3181



Table of Contents

Scope of Work.	1
Executive Summary.	1
Asbestos Containing Materials Summary Table.	1
Recommendations.	2
Location and Analysis Summary Table.	3
Site Characteristics.	4
Asbestos Survey Protocol.	5
General Conditions.	6

Appendix 1 Drawings - Sample Locations and ACM Locations

Appendix 2 Sample Analysis Sheets

Appendix 3 Survey Certifications

Scope of Work

At the request of Mr. Jim Charlton of Bay Pines VAHCS, Apollo Environmental, Inc. conducted a Limited NESHAP Renovation Asbestos Survey at the Bay Pines VA campus located at 10000 Bay Pines Boulevard in Bay Pines, Florida. The survey was limited to interior portions of Ward 3A on the third floor of Building 100.

Executive Summary

On March 21, 2014, Mr. Victor Rivera, Surveyor/Inspector for Apollo Environmental, Inc., conducted the survey in Ward 3A. Upon inspection of the site, 11 Homogeneous Areas (HA's) were identified as suspect asbestos-containing materials, and 25 bulk samples were collected. Laboratory analysis by Polarized Light Microscopy (PLM) found one of the HA's to be an asbestos-containing material (ACM). One of the HA's was not sampled and is "Assumed" to be an asbestos containing material until sampling can prove otherwise.

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE					
HA #	Location (within Scope of Work)	Material Description (ACM layers in bold)	Approx. Area	NESHAP Category	Friable or Non- Friable
6	throughout (all except Rm. 3 and bath 1 & 2)	12" floor tile with black mastic	2,000 sf	Category I	N
11	Rm. 1, 2, 4, 6, 7, 140 & 140A	fire rated door and frame filling	160 sf	Assumed	F

Recommendations

1. Notification is required by the Pinellas County Department of Environmental Management, Air Quality Division (727-464-4422) **10 business days prior to** abatement or demolition activities.
2. A copy of this survey, and any previous survey reports, should be on site during renovation/demolition activities.
3. Non-friable ACM flooring materials that will remain non-friable (**Category I**) may be removed prior to demolition or renovation activities by a State of Florida Licensed Flooring Contractor with Asbestos trained personnel utilizing the industry standard practices. All other ACM expected to be impacted by renovation activities need to be removed by a licensed asbestos removal contractor prior to general construction activities.
4. If the fire doors are to be removed without disturbing the asbestos filling inside, the work may be done by those that do not have asbestos handling training. The doors may be used elsewhere or disposed of as asbestos containing, general construction debris.
5. If during the course of renovation activities, suspect materials are uncovered other than those detailed in this report, laboratory analysis of these materials is required prior to disturbance.
6. Compliance with OSHA regulations is required on all projects in which asbestos-containing materials are being disturbed.

Location and Analysis Summary of Homogeneous Materials Building 100 - Portions of Ward 3A						
HA#	Sample #s)	Location (within Scope of Work)	Material Description	Approx. Area	ACM Type and Content	Condition
1	1,2,3	throughout (all except bath 1 & 2)	suspended ceiling panels	1,200 sf	None Detected	Fair
2	4,5	bath 1 & 2	2' x 2' ceiling panels with pinholes	425 sf	None Detected	Fair
3	6,7,8	shower area of bath 2	plaster ceilings	120 sf	None Detected	Fair
4	9,10,11	portions of hallway 1 & 2	sheetrock walls with skimcoat	900 sf	None Detected	Fair
5	12,13,14	throughout	wallboard	4,000 sf	None Detected	Fair
6	15,16,17	throughout (all except Rm. 3 and bath 1 & 2)	12" floor tile with black mastic	2,000 sf	7% Chrysotile in black mastic	Fair
7	18,19	bath 1 & 2 and wet areas of Rm. 2, 3, 5 7, 140 & 140A	ceramic wall tile with grout and thinset	400 sf	None Detected	Fair
8	20,21	Rm. 3 and bath 1 & 2	ceramic floor tile with grout and thinset	700 sf	None Detected	Fair
9	22,23	throughout	cove base with adhesive	350 sf	None Detected	Fair
10	24,25	throughout	concrete slab	1,745 sf	None Detected	Fair
11	none	Rm. 1, 2, 4, 6, 7, 140 & 140A	fire rated door and frame filling	160 sf	Assumed	Good

Site Characteristics

- General:** Building 100 is a five-story, concrete block structure with a flat roof. Only portions of Ward 3A, totaling approximately 2,600 square feet, were included in this survey.
- Ceilings:** Ceilings in Room 7, 140 & 140A are open to the fiberglass deck above. The following suspect ceiling materials were identified and sampled:
HA 1: suspended ceiling panels
HA 2: 2' x 2' ceiling panels with pinholes
HA 3: plaster ceiling
- Walls:** The exterior walls are concrete block. The following suspect wall materials were identified and sampled:
HA 4: sheetrock walls with skimcoat
HA 5: wallboard
HA 7: ceramic wall tile with grout and thinset
- Floors:** The floors are concrete slab. The following suspect flooring materials were identified and sampled:
HA 6: 12" floor tile with black mastic
HA 8: ceramic floor tile with grout and thinset
HA 10: concrete slab
- HVAC:** No air-handlers or pipes were observed within the Scope of Work. Metal ducts were present, but no mastic or insulation was present.
- Plumb:** No water heater or plumbing insulation was found.
- Misc:** No door frame caulk, window frame caulk or spray-applied fireproofing was observed. Several fire rated doors and frames were noted, but due to the destructive nature of the sampling process, the suspect filling was not sampled. Therefore, the fire-rated door and frame filling must be "Assumed" to be an asbestos containing material until sampling can determine otherwise. The following suspect miscellaneous materials were identified and either sampled, or "Assumed" to contain asbestos:
HA 9: cove base with adhesive
HA 11: fire rated door and frame filling

Asbestos Survey Protocol

The purpose of this survey was to locate and assess the suspect asbestos-containing materials as defined in the Scope of Work. The site was surveyed for the presence of materials that are typically suspect to contain asbestos. Prior to collecting any samples, distinct homogeneous sampling areas are identified and a sampling strategy is developed. A **homogeneous sampling area** can be described as any suspect asbestos material that is similar in appearance and texture, having similar installation, age, use and function.

Sampling locations are chosen to be representative of the homogeneous sampling area. While an effort is made to collect the samples randomly, samples are taken preferentially from as many rooms as possible and, for occupied facilities, from areas that are the least visible. As these materials were identified, bulk samples were obtained and placed into individual sample containers for transport to the Apollo Environmental laboratory. Suspect materials were sampled in an effort to obtain all representative layers that characterize their composition. All sample locations were identified by a numbered label. These numbers directly correspond with the numbers listed in the analytical results tables, laboratory analysis sheets and drawings.

Each suspected asbestos-containing material is classified as either friable or non-friable. **Friable** materials as defined by the EPA may be crumbled, pulverized, or reduced to a powder by hand pressure when dry. Friable asbestos-containing material is usually more hazardous than non-friable asbestos-containing material because it has greater potential to readily release airborne asbestos fibers.

Materials that were hidden or not accessible were not evaluated as part of this survey. These materials should be analyzed if and when they are located during any renovation or demolition. Materials visibly identifiable as non-asbestos (fibrous glass, foam rubber, wood, etc.) were not sampled.

The survey was performed as required by NESHAP, 40 CFR, Part 61, Subpart M. The sampling protocol/strategy is based on EPA Reg. 40 CFR, Part 763 (ASHERA) with modifications. As 40 CFR, Part 763, does not address the assessment of roofing and limited exterior components of the buildings, these additional materials were added in accordance with NESHAP, Part 61, Subpart M, and assessed using the 40 CFR, Part 763 protocols. Inventory, general supplies, etc. are not included as NESHAP building components. Additionally, samples are not collected in a completely random manner (see second paragraph of survey protocol).

Bulk asbestos samples were analyzed by Apollo by Polarized Light Microscopy (PLM) using dispersion staining techniques according to US EPA method 600/M4-82-020 incorporating visual estimates (area) of identified materials percentages and Apollo's NVLAP accredited procedures.

Any material that contains greater than one percent of any type of asbestos is considered by the EPA, OSHA and the State of Florida, an **asbestos-containing material (ACM)** and must be handled according to regulations. Apollo Environmental, Inc. participates in the National Voluntary Laboratory Accreditation Program (NVLAP), and other quality control programs for asbestos analysis.

General Conditions

1. **DOCUMENTS:** All documents, including but not limited to drawings, specifications, reports, field notes, laboratory test data, calculations, and estimates prepared by Apollo Environmental Incorporated (AEI) pursuant to this Agreement, shall be the sole property of AEI. Client agrees that all documents of any nature furnished to Client, if not paid for, will be returned upon demand and will not be used by Client for any purpose whatsoever. Client agrees that under no circumstances shall any documents produced by AEI pursuant to this Agreement be used at any location or for any project not expressly provided for in this Agreement without the written permission of AEI. Client agrees that reports of AEI issued pursuant to this Agreement are for the exclusive use of Client and that such reports, the name of AEI, or its insignia or seal shall not be used by or on behalf of Client under any circumstances in advertising to the general public, or in any public material or in any other manner without AEI's prior written approval. Client agrees to indemnify, defend, and hold AEI harmless from and against any claims, liabilities, loss or damage, including reasonable attorney's fees arising out of any use of the reports, name, insignia or seal of AEI without AEI's prior written approval. At the request and expense of Client, AEI will provide Client with copies of documents created in the performance of the work for a period not exceeding one year following submission of the report contemplated by this Agreement.

This assessment has been prepared for the sole use of the client. Its contents should not be relied upon by other parties without the express written consent of Apollo Environmental, Inc., and the client.

2. The information and conclusions presented in his report are valid only for the circumstances of the sites investigated as described in this report as they existed during the time period of the investigation.
3. **WARRANTIES. THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, NOT SPECIFIED HEREIN.** Respecting this Agreement for the equipment, documentation, reports and services to be provided hereunder, or the delivery, use, or performance thereof, the only warranty or guarantee made by AEI in connection with the services performed hereunder, is that it will use that degree of care and skill ordinarily required in the performance of the services provided. No other warranty, expressed or implied, is made or intended by AEI's services or written reports.
4. None of the information contained herein should be construed as medical advice or a call to action for evacuation. Any decision relative to medical significance should be made by a qualified physician.
5. Apollo Environmental, Inc., evaluated the reasonableness and completeness of all relevant information, but does not assume responsibility for the truth or accuracy of any information provided to Apollo Environmental Inc. by others or for the lack of information that is intentionally, unintentionally, or negligently withheld from Apollo by others. Professional judgement was exercised in gathering and evaluating the information obtained, and Apollo commits itself to the usual care, thoroughness and competence of the industrial hygiene/environmental profession.

This report is based on information made available at the time of the inspections. The opinions expressed draw upon the background, training and experience of the personnel involved in the investigation. Should additional information become available, Apollo Environmental, Inc., reserves the right to determine the weight and impact, if any, of the new information on our opinions and conclusions, and to revise the opinions and conclusions if necessary and warranted by the discovery of the additional information.

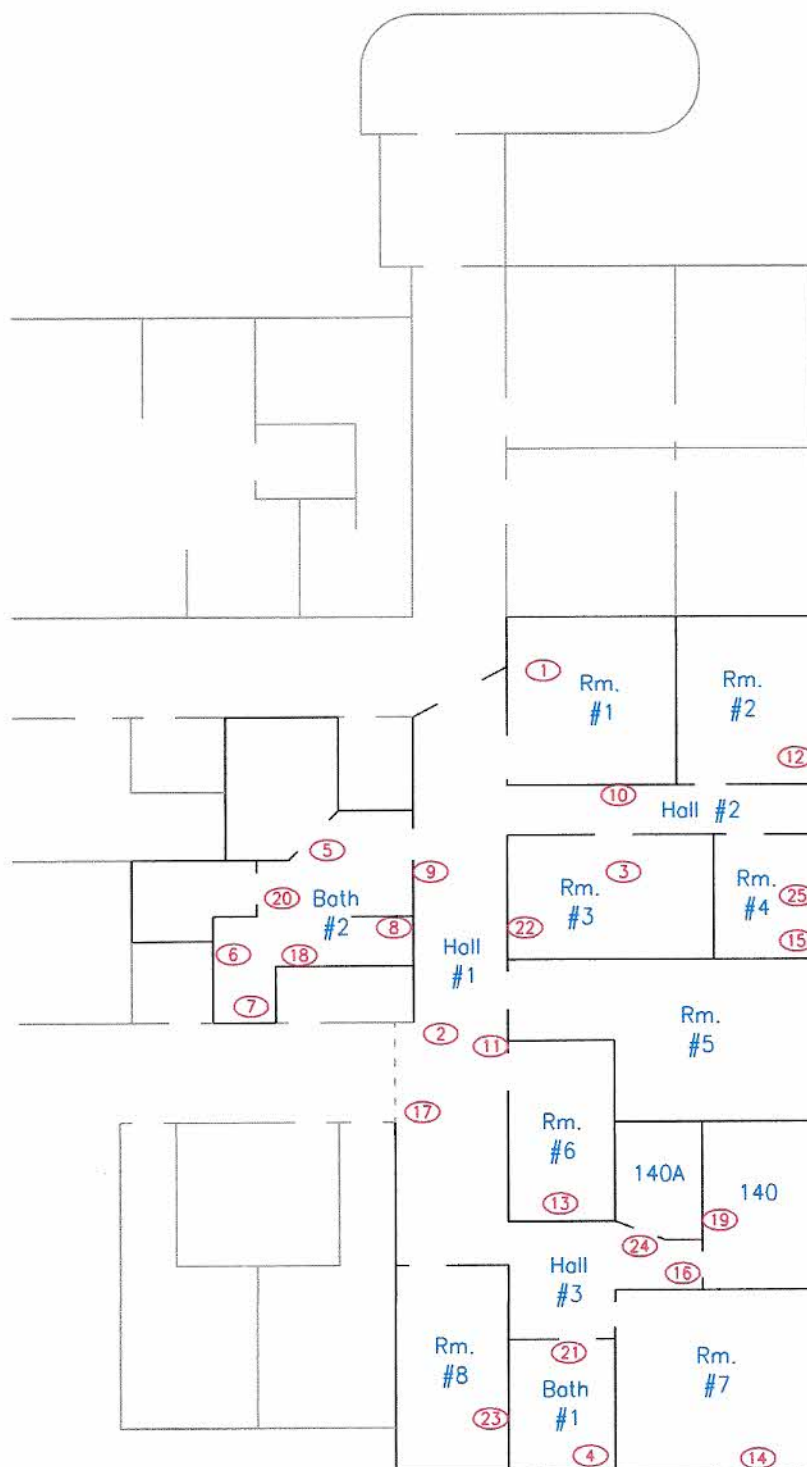
6. After acceptance of this report, if Apollo obtains information that it believes warrants further exploration and development, Apollo will endeavor to provide that information to the Client, but Apollo will not be liable for not doing so.
7. This report is neither a legal opinion nor "due diligence inquiry." Only legal counsel retained by the Client is competent to determine the legal implications of information or conclusions contained in this report.
8. Apollo is not responsible for any effect upon the Client or others' legal rights, obligations, or liabilities or for any effect upon the finance ability, marketability, or value of the property or for the occurrence or non-occurrence of any transaction involving the property based upon the information stated in this report.

LIMITATION OF LIABILITY: Client agrees that AEI's liability for any damage on account of any error, omission, or other professional negligence will be limited to an amount equal to the lesser of \$10,000 or AEI's fee. AEI, its agents, and employees shall not be liable for any lost profits or any claim or demand against Client by any other party. In no event shall AEI be liable for special, consequential, or exemplary damages. This provision shall supersede any other provision in this report that may be deemed inconsistent with it. No action, regardless of form, arising out of the service under this Agreement, may be brought by the Client more than one (1) year after the act or omission giving rise to a cause of action has occurred.

9. To achieve the study objectives stated in this report, Apollo based its conclusions on the best information available during the period of the investigation and within the limits prescribed by the Client.
10. **SAMPLE DISPOSAL:** Unless otherwise agreed, test specimens or samples will be disposed of immediately upon completion of the test or per NVLAP.
11. **INDEMNITY:** The Client agrees to indemnify, defend, and hold AEI, its officers, employees, and agents harmless from any and all claims, suits, losses, costs, and expenses, including but not limited to, court costs and reasonable attorney's fees arising or alleged to have arisen out of or to have resulted from the performance of AEI's work on or about the subject Project, and caused in whole or in part by a negligent, willful, or wanton act or omission of the Client. In the event that the Client shall bring any claim, suit, cause of action, or counterclaim against AEI, to the extent that AEI shall prevail upon such action, the Client shall pay to AEI the costs expended by AEI to defend against such action, including reasonable attorney's fees, witness fees, and other related expenses.
12. **PAYMENT:** Payment is due upon receipt of AEI's invoices. If payment is not received within thirty (30) days of receipt by Client, Client agrees to pay a finance charge of the principal amount of the past due account of two (2%) percent per month. If two (2%) percent per month exceeds the maximum allowed by law, the charges shall automatically be reduced to the maximum legally allowable. The Client agrees to pay AEI's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees.

Appendix 1

Sample Location and ACM Location Drawings



**Building 100
Ward 3A**

⓪⓪ Sample Locations

NORTH

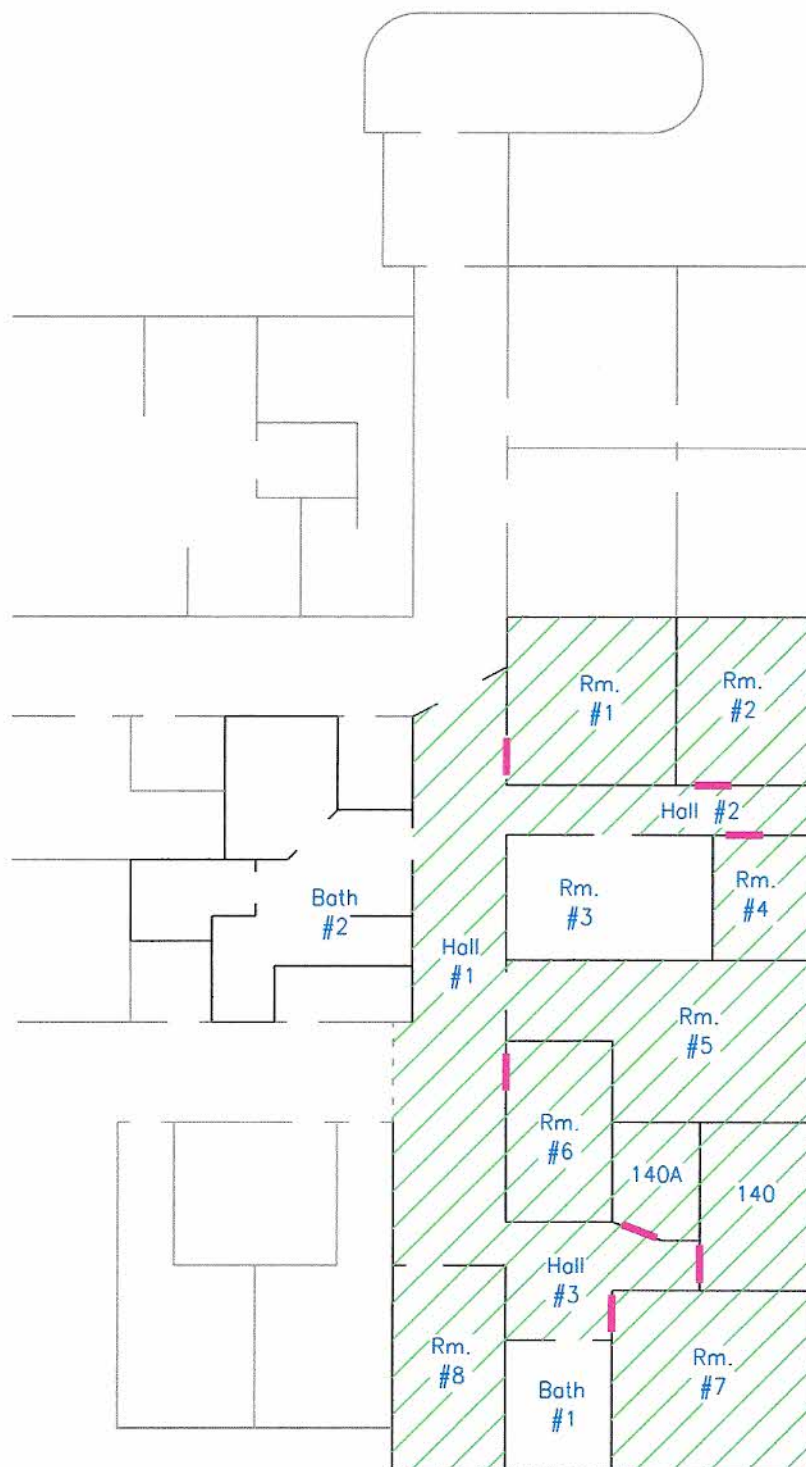
DRAWING 1 OF 2

NOT TO SCALE





APOLLO ENVIRONMENTAL, INC.
11553 US HIGHWAY 41 SOUTH
GIBSONTON, FLORIDA 33534
PHONE: 813-671-3999
DRAWN BY: F.R.R. DATE: 4-3-14

Bay Pines VA Medical Center
10000 Bay Pines Boulevard
Bay Pines, Florida
Prepared for: Bay Pines VAHCS



Building 100 **Ward 3A**

Approx. ACM Locations

-  HA 6: Black Mastic (Under 12" Floor Tile)
-  HA 11: Fire Door & Frame Filling (Assumed)

DRAWING 2 OF 2

NOT TO SCALE



APOLLO ENVIRONMENTAL, INC.
11553 US HIGHWAY 41 SOUTH
GIBSONTOWN, FLORIDA 33534
PHONE: 813-671-3999

DRAWN BY: F.R.R.

DATE: 4-3-14

Bay Pines VA Medical Center
10000 Bay Pines Boulevard
Bay Pines, Florida

Prepared for: Bay Pines VAHCS

Appendix 2

Sample Analysis Sheets



Air Quality Environmental, Inc.

Laboratory Services

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

Client Name: Apollo Environmental, Inc.
11553 US 41 South
Gibsonton, Florida 33534

Project Name: Bay Pines VA, Bldg 100 - Ward A
10000 Bay Pines Blvd., Bay Pines
Date Analyzed: March 25, 2014

Asbestos, Bulk Sample Analysis

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

Lab #	Client #	Sample Type	Description	% Asbestos	% Other Fibers	% Binders
221515	1-1	Ceiling Tile	white / tan	NAD	70% Cellulose	30% Perlite and Binders
221516	2-1	Ceiling Tile	white / tan	NAD	70% Cellulose	30% Perlite and Binders
221517	3-1	Ceiling Tile	white / tan	NAD	70% Cellulose	30% Perlite and Binders
221518	4-2	Ceiling Tile	white / tan	NAD	35% Cellulose 35% Mineral Wool	30% Perlite and Binders
221519	5-2	Ceiling Tile	white / tan	NAD	35% Cellulose 35% Mineral Wool	30% Perlite and Binders
221520	6-3	Plaster System	white plaster gray plaster	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221521	7-3	Plaster System	white plaster gray plaster	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221522	8-3	Plaster System	white plaster gray plaster	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221523	9-4	Sheetrock System	skim coat mat layer powder layer	NAD NAD NAD	100% Cellulose 6% Cellulose	100% Quartz and Binders 94% Gypsum and Binders
221524	10-4	Sheetrock System	skim coat mat layer powder layer	NAD NAD NAD	100% Cellulose 6% Cellulose	100% Quartz and Binders 94% Gypsum and Binders
221525	11-4	Sheetrock System	skim coat mat layer powder layer	NAD NAD NAD	100% Cellulose 6% Cellulose	100% Quartz and Binders 94% Gypsum and 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:

Wolfgang Paltian
Wolfgang Paltian
Microscopist

Lab File Number: 28603

NVLAP Lab Code 200759-0

Client Name: Apollo Environmental, Inc.
11553 US 41 South
Gibsonton, Florida 33534

Project Name: Bay Pines VA, Bldg 100 - Ward A
10000 Bay Pines Blvd., Bay Pines
Date Analyzed: March 25, 2014

Asbestos, Bulk Sample Analysis

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

Lab #	Client #	Sample Type	Description	% Asbestos	% Other Fibers	% Binders
221526	12-5	Wallboard	joint compound mat layer powder layer	NAD NAD NAD	100% Cellulose 8% Glass Fibers	100% Carbonates and Binders 92% Gypsum and Binders
221527	13-5	Wallboard	joint compound mat layer powder layer	NAD NAD NAD	100% Cellulose 8% Glass Fibers	100% Carbonates and Binders 92% Gypsum and Binders
221528	14-5	Wallboard	joint compound mat layer powder layer	NAD NAD NAD	100% Cellulose 8% Glass Fibers	100% Carbonates and Binders 92% Gypsum and Binders
221529	15-6	Floor Tile	gray tile black mastic	NAD 4% Chrysotile		100% Carbonates and Binders 96% Bitumen and Binders
221530	16-6	Floor Tile	gray tile black mastic gray leveler	NAD 6% Chrysotile NAD		100% Carbonates and Binders 94% Bitumen and Binders 100% Carbonates and Binders
221531	17-6	Floor Tile	tan / brown tile black mastic	NAD 7% Chrysotile		100% Carbonates and Binders 93% Bitumen and Binders
221532	18-7	Ceramic Tile	white tile tan mastic white grout	NAD NAD NAD		100% Carbonates and Binders 100% Carbonates and Binders 100% Quartz and Binders
221533	19-7	Ceramic Tile	white tile tan mastic white grout	NAD NAD NAD		100% Carbonates and Binders 100% Carbonates and Binders 100% Quartz and Binders
221534	20-8	Ceramic Tile	gray / speck tile tan grout	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221535	21-8	Ceramic Tile	gray / speck tile tan grout	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221536	22-9	Cove Base	brown base tan mastic	NAD NAD		100% Carbonates and Binders 100% Binders
221537	23-9	Cove Base	brown base tan 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:


Wolfgang Paltian
Microscopist

Lab File Number: 28603

NVLAP Lab Code 200759-0

Client Name: Apollo Environmental, Inc.
11553 US 41 South
Gibsonton, Florida 33534

Project Name: Bay Pines VA, Bldg 100 - Ward A
10000 Bay Pines Blvd., Bay Pines
Date Analyzed: March 25, 2014

Asbestos, Bulk Sample Analysis


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

Lab #	Client #	Sample Type	Description	% Asbestos	% Other Fibers	% Binders
221538	24-10	Concrete System	tan leveler gray concrete	NAD NAD		100% Carbonates and Binders 100% Quartz and Binders
221539	25-10	Concrete System	tan leveler gray concrete	NAD NAD		100% Carbonates and Binders 100% Quartz and 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.

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Analyzed by:


Wolfgang Paltian
Microscopist

Lab File Number: 28603

NVLAP Lab Code 200759-0

Surveyor: <i>Victor Rivera</i>		AD#:		Date <i>3/21/14</i>	
Client: <i>Bay Pines VA.</i>		Site Name: <i>Bldg 100 - Ward A</i>			
Address: <i>10000 Bay Pines Blvd - Bay Pines</i>					
Bldg.	Room	Smp	HA	Description	F/N
<i>100</i>	<i>RM 1</i>	<i>1</i>	<i>1</i>	<i>Drop Ceiling Panels</i>	<i>F/F</i>
	<i>Hall 1</i>	<i>2</i>			
	<i>RM 3</i>	<i>3</i>			
	<i>Bath 1</i>	<i>4</i>	<i>2</i>	<i>2x2 Ceiling Panels w/ Pin holes</i>	<i>F/F</i>
	<i>Bath 2</i>	<i>5</i>			
	<i>Bath 2</i>	<i>6</i>	<i>3</i>	<i>Plaster Ceiling</i>	<i>N/F</i>
	<i>Bath 2</i>	<i>7</i>			
	<i>Bath 2</i>	<i>8</i>			
	<i>Hall 1</i>	<i>9</i>	<i>4</i>	<i>5/8 wall w/ skim coat</i>	<i>F/F</i>
	<i>Hall 2</i>	<i>10</i>			
	<i>Hall 1</i>	<i>11</i>			
	<i>RM 2</i>	<i>12</i>	<i>5</i>	<i>Wall board</i>	<i>F/F</i>
	<i>RM 6</i>	<i>13</i>			
	<i>RM 7</i>	<i>14</i>			
	<i>RM 4</i>	<i>15</i>	<i>6</i>	<i>Various 12" F.F. o/ block</i>	<i>N/F</i>
	<i>Hall 3</i>	<i>16</i>		<i>Mastic o/ C/S</i>	
	<i>Hall 1</i>	<i>17</i>			
	<i>Bath</i>	<i>18</i>	<i>7</i>	<i>C.T. wall o/ grout & Yhruse</i>	<i>N/F</i>
	<i>RM 3A-140</i>	<i>19</i>			
	<i>Bath 2</i>	<i>20</i>	<i>8</i>	<i>C.T. floor o/ grout & Yhruse</i>	<i>N/F</i>
	<i>Bath 1</i>	<i>21</i>			
	<i>RM 3</i>	<i>22</i>	<i>9</i>	<i>Cove base o/ glue</i>	<i>N/F</i>
	<i>RM 8</i>	<i>23</i>			
	<i>Hall 3</i>	<i>24</i>	<i>10</i>	<i>Concrete slab</i>	<i>N/F</i>
<i>✓</i>	<i>RM 4</i>	<i>25</i>			

221515-221539

BY: 11:43AM DP

Appendix 3

Survey Certifications

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER

ZA0000001

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2015



APOLLO ENVIRONMENTAL INC
ROBERT DAVID MITCHELL
11553 US HIGHWAY 41 SOUTH
GIBSONTON FL 33534



RICK SCOTT
GOVERNOR

ISSUED: 09/17/2013 SEQ # L1309170004165
DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

State of Florida

Board of Professional Engineers

Attests that

Robert David Mitchell, P.E.



Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015

Audit No: 228201501300

P.E. Lic. No:

45325

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AC# 6330373

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L12083105864

DATE	BATCH NUMBER	LICENSE NBR
08/31/2012	120100197	DD0000007

The ASBESTOS CONSULTANT

Named below IS LICENSED

Under the provisions of Chapter 469 FS.

Expiration date: NOV 30, 2014

MITCHELL, ROBERT DAVID
APOLLO ENVIRONMENTAL INC
2521 GABRIEL RD
FORT MEADE

FL 33841

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101871-0

Apollo Environmental, Inc.
Gibson, FL

*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).*

2013-10-01 through 2014-09-30

Effective dates



A handwritten signature in black ink, appearing to read "Mark R. Mello".

For the National Institute of Standards and Technology

McCRONE RESEARCH INSTITUTE

certifies that

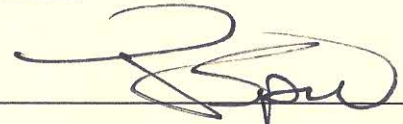
Lara A. Davis

has successfully completed an intensive course of instruction in

Microscopical Identification of Asbestos

given by the McCrone Research Institute

Presented this 14th day of April, 2006



Gary J. Laughlin

Course Date: April 10-14, 2006

3.5 CEU's

McCRONE RESEARCH INSTITUTE

certifies that

Lara A. Davis

has successfully completed an intensive course of instruction in

Advanced Asbestos Identification

given by the McCrone Research Institute

Presented this 19th day of November, 2010

Lara A. Davis

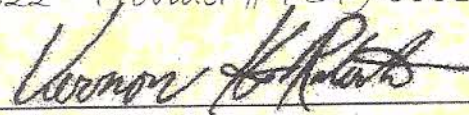
Lucy B. McCrone

Vern Roberts Environmental Training, Inc.
13987 94th Avenue N Seminole, FL 33776
727-593-3067
Asbestos Survey & Mechanical (inspector) Refresher
Training

This is to Certify that
VÍCTOR RÍVERA

Has completed the requisite training for asbestos accreditation
under TSCA TITLE II
Date of Examination 7/13/13

Date of Course: 7/13/13 Expiration Date 7/13/14
Certificate #713133
Course # FL49-0006326322 Provider # FL49-0003810



Instructor