



Criterion
Laboratories Inc.

Report

ASBESTOS- CONTAINING MATERIALS SURVEY

AT:

**Lebanon VA Medical Center – Building 106
1700 South Lincoln Avenue
Lebanon, PA 17042-7529**

FOR:

**Ms. Kelly Fields
Department of Veterans Affairs
Lebanon VA Medical Center
1700 South Lincoln Avenue
Lebanon, PA 17042-7529**

PREPARED BY:

**Mr. Steven A. Vena, CIH
Project Manager**

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**Report Date: January 26, 2015
Project Number: 142073
Date of Project: November 3, 2014
Solicitation #: VA244-14-Q-1389**

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1.0 NARRATIVES

1.0 NARRATIVES

1.1 Purpose:

Criterion Laboratories, Inc. (Criterion) was contracted by the Department of Veterans Affairs to conduct asbestos surveys of all buildings located at the Lebanon VA Medical Center campus, located at 1700 South Lincoln Avenue in Lebanon, PA. This report covers the survey performed within **Building 106**.

The purpose of the surveys was to identify and document asbestos-containing materials throughout the campus. The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation requires that buildings scheduled for renovations/demolition have an inspection identifying asbestos materials. OSHA's Construction Standard for Asbestos (29 CFR 1926.1101) requires that building materials installed prior to 1981 be inspected for asbestos or they must be classified as presumed asbestos-containing materials (PACM).

1.2 Personnel:

The surveys were performed by Mr. Craig Gratz and Mr. Ryan Hunter, both EPA-accredited, PA-licensed building inspectors, on November 6, 2014. The report was written by Mr. Steven A. Vena, Certified Industrial Hygienist of Criterion.

1.3 Discussion and Survey Results:

A total of eleven (11) samples were collected during the survey. The samples were analyzed by Polarized Light Microscopy (PLM), which classifies a material as asbestos-containing if it contains greater than one percent asbestos. Asbestos (>1%) was detected in one (1) material:

❖ Tan 9"x9" Floor Tile with Black Mastic

Additionally, fire doors were observed within the Building. The fire doors were not sampled in order to maintain the integrity of the door and manufacturer's fire rating of the door. In the absence of analytical results to the contrary, fire doors are assumed to contain asbestos insulation.

Please refer to Section 3.0, Asbestos Inventory, for specific quantities and locations of all asbestos-containing materials identified.

1.4 Disclaimer:

Information contained herein was obtained by means of onsite observations, bulk sampling, and analytical data. Conclusions will be based upon the data obtained. This is not to imply that the data gathered is all the information that exists which may be pertinent to the site. Any areas inaccessible to the survey team due to reasons beyond the control of Criterion (i.e., behind hard walls, above hard ceilings, hidden pipe chases, etc.) will not be included in this report.

1.5 Conclusions and Recommendations:

Any asbestos-containing material that will be disturbed by planned renovations should be first removed by a licensed abatement contractor.

Section 2.0, Laboratory Results, contains certificates of analyses for all bulk samples collected and analyzed.

Section 3.0, Asbestos Inventory, lists specific locations and quantities of asbestos-containing materials.

Section 6.0 shows drawings with the location of the samples collected. Section 7.0 shows photographs of each homogenous material that was collected as a suspect asbestos-containing material. Section 8.0, Certifications, lists asbestos accreditations for all Criterion employees who worked on this project.

This report is intended to strictly comply with EPA, OSHA, and Pennsylvania regulations governing asbestos. This report should be referenced prior to disturbing any materials that may contain asbestos.

If additional materials are found behind hard walls or ceilings during future renovations, an asbestos building inspector should be contacted to reassess the area.

Criterion appreciates the opportunity to provide you with this Asbestos-Containing Materials Survey Report. Should you have any questions, please do not hesitate to call me at (215) 244-1300, extension 32.



Steven A. Vena, CIH
Project Manager

2.0 LABORATORY RESULTS



Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA

Sample Date: 11/3/2014

Project #: 142073

Sample Received Date: 11/11/2014 10:06:00 AM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Leiby, Clinton

Analysis Date: 11/12/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-106-001 Tan 9"x9" Floor Tile with Black Mastic Building 106 - Room 01 Sanctuary	1	Cellulose-5	90	Chrysotile	5	
142073-106-001 Black Mastic Building 106 - Room 01 Sanctuary	2	Cellulose-2	96	Chrysotile	2	
142073-106-002 Tan 9"x9" Floor Tile with Black Mastic Building 106 - Room 01 Sanctuary	1	Cellulose-6	90	Chrysotile	4	
142073-106-002 Black Mastic Building 106 - Room 01 Sanctuary	2	Cellulose-2	96	Chrysotile	2	
142073-106-003 1'x1' Spline Ceiling Tile Building 106 - Room 01 Sanctuary	1	Cellulose-70	30	None Detected	---	
142073-106-004 1'x1' Spline Ceiling Tile Building 106 - Room 01 Sanctuary	1	Cellulose-70	30	None Detected	---	
142073-106-005 Elbows A/W Fiberglass Pipe Insulation Building 106 - Room 08 Chapel Secretary	1	Fiberglass-50	50	None Detected	---	
142073-106-006 Elbows A/W Fiberglass Pipe Insulation Building 106 - Room 07 Protestant Chaplain	1	Fiberglass-50	50	None Detected	---	



Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center
Project #: 142073

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA
17042-7529

Sample Date: 11/3/2014
Sample Received Date: 11/11/2014 10:06:00 AM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Leiby, Clinton

Analysis Date: 11/12/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-106-007 Gray 12"x 12" Floor Tile with Black Mastic (under carpet) Building 106 - Men's Restroom	1	---	100	None Detected	---	
142073-106-007 Black Mastic Building 106 - Men's Restroom	2	---	100	None Detected	---	
142073-106-008 Elbows A/W Fiberglass Pipe Insulation Building 106 - Corridors	1	Fiberglass-70	30	None Detected	---	
142073-106-009 Gray 12"x12" Floor tile with Yellow Mastic Building 106 - Women's Room HAC Closet	1	---	100	None Detected	---	
142073-106-009 Yellow Mastic Building 106 - Women's Room HAC Closet	2	---	100	None Detected	---	
142073-106-010 White 2'x4' Ceiling Tile Building 106 - Throughout	1	Cellulose-70	30	None Detected	---	
142073-106-011 Drywall/Joint Compound Building 106 - Throughout	1	Cellulose-5	95	None Detected	---	



Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center
Project #: 142073
Collected By: Criterion Laboratories, Inc.

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA
17042-7529
Analyzed By: Leiby, Clinton

Sample Date: 11/3/2014
Sample Received Date: 11/11/2014 10:06:00 AM
Analysis Date: 11/12/2014

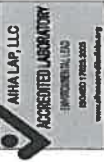
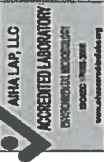
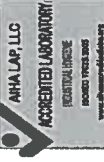
James A. Wetz

James A. Wetz, CIH, President

Criterion Laboratories, Inc. bears no responsibility for sample collection activities of non-Criterion personnel. This report relates only to the samples reported above, and when reproduced, must be in its entirety. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. inoleum, wallboard, etc.) are reported as a single sample. None Detected = <1%. Unless otherwise noted: Blank results are not subtracted from any results; QC data associated with this sample set is within acceptable limits; Samples were received in good condition.

Note: If your project number ends with an "R", it is a revised report and replaces the original document in full. The above results represent the analysis of bulk sample(s) by Criterion Laboratories, Inc. according to EPA 40 CFR Part 763 Appendix E to Subpart E - Polarized Light Microscopy. The concentration of asbestos is determined by visual estimation.

THIS IS THE LAST PAGE OF THE REPORT



Criterion Laboratories, Inc. (ID 100424) is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the IHLAP; EMLAP and ELLAP accreditation programs for Polarized Light Microscopy (PLM), Phase Contrast Microscopy (PCM); Air-Direct Examination; and Airborne Dust, Paint, Settled Dust by Wipe and Soil for Fields of Testing as documented by the Scope of Accreditation Certificate and associated Scope. Additionally, Criterion Laboratories, Inc. is certified by the Center for Disease Control (CDC) Environmental Legionella Isolation Techniques Evaluation (ELITE) Program for the determination of Legionella in water by culture and holds accreditation from the National Voluntary Laboratory Accreditation Program (NVLAP ID 102046-0) for the determination of asbestos in bulk samples by Polarized Light Microscopy (PLM). This test report must not be used to claim product endorsement by NVLAP, NIST, AIHA or any agency of the US Government. Unless specifically listed as above, these test results are not covered under AIHA-LAP, LLC. 100424 accreditation.



CRITERION LABORATORIES, INC. ASBESTOS BULK SAMPLE LOG

PROJECT #: 142073

Client: VAMC - Lebanon VA Medical Center Site Address: Lebanon VAMC - 1700 South Lincoln Avenue, Lebanon, PA

Analysis:	PLM	TEM	Other	FS Name#/Work Area:	Sample Date:
	Turnaround Time			Building 106	11-3-14
24 Hrs	48 Hrs	Field	Walk-in	Inspector: C. Gratz / R. Hunter	Comments:
72 Hrs	Other 3-5 days	Fedex	Other	Project Manager: Steve Vera	

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis Asbestos Type (S)	%
10C-001	2000 2500	Tan 9x9 FT w/Black matrix	Room 01 Sanctuary	2000 SF	N	N	chrysotile (T/m)	5/2
-002	2000 2500	↓	↓	-	N	N	chrysotile (T/m)	4/2
-003	1800	1x1 spline CT on wall	↓	310 SF	Y	N	ND	
-004	1800	↓	↓	-	Y	N	+	
NS	2000 2500	Tan 9x9 FT w/Black matrix (under Carpet)	Room 09 Sacrament Room	120 SF	N	N		
NS	2000 2500	↓	Room 08 Chapel Secretary	120 SF	N	N		
-005	1500	Elbows A/W fiberglass PI	↓	6 in	Y	N	ND	
-00C	1500	↓	Room 07 Protestant Chaplain	5 in	Y	N	+	
NS	2000 2500	Tan 9x9 FT w/Black matrix (under Carpet)	↓	120 SF	N	N		
NS	2000 2500	↓	Room 05 Catholic Chaplain	120 SF	N	N		
NS	1500	Elbows A/W fiberglass PI	↓	1 in	Y	N	ND	
NS	2000 2500	Tan 9x9 FT w/Black matrix (under Carpet)	Room 05 Chief Chaplain	120 SF	N	N		
-007	2000 2500	Grey 12x12 FT w/Black matrix	Men's Restroom	50 SF	N	N		
NS	2000 2500	Tan 9x9 FT w/Black matrix (under Carpet)	Room 02 Sacristy Room	145 SF	N	N		

CHAIN OF CUSTODY			LAB INFORMATION		
Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Gratz	11-10-14	John Nguyen / Hg	11/11/14	C. Leifer	11/12/14



CRITERION LABORATORIES, INC.
ASBESTOS BULK SAMPLE LOG

PROJECT #: 142073

Client: VAMC - Lebanon VA Medical Center
Site Address: Lebanon VAMC - 1700 South Lincoln Avenue, Lebanon, PA

Analysis:	PLM	TEM	Other	FS Name-/Work Area:	Sample Date:
	Method of Submittal			Building 106	11-3-14
Turnaround Time	24 Hrs	48 Hrs	Field	Inspector: C. Gratz / R. Hunter	Comments:
	72 Hrs	Other 3-5 day	Fedex	Project Manager: Steve Verna	

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (\$)	%
NS	1500	Elbows A/W fiberglass PI	Mens Room	1 ea	N	N		
NS	1500		Womens Room	2 ea	N	N		
NS	1500		Room 02 Secretary Room	2 ea	N	N		
106-008	1500		Corridors	8 ea	N	N	ND	
NS	1500	Tan 9x9 FT w/Black Maxtile (carpet)		740 SF	N	N	ND	
-009	2000	Gray 12x12 FT w/Black Maxtile	Womens Room HAC Closet	10 SF	N	N		
-010	1700	White 2x4 CT	Throughout	1200 SF	N	N		
-011	2000	Drywall / Joint Compound		800 SF	N	N		
NS	2000	Fire Doors		5 ea	N	N	Assumed	

CHAIN OF CUSTODY			LAB INFORMATION		
Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Gratz	11-10-14	[Signature]	11/11/14	C. Gratz	11/12/14

3.0 ASBESTOS INVENTORY

SECTION 3.0
ASBESTOS INVENTORY
Lebanon VA Medical Center
1700 South Lincoln Avenue, Lebanon, PA

Building #: 106	<u>Location</u>	<u>Material</u>	<u>Quantity</u>	<u>Friable</u>	<u>Condition</u>
1st Floor					
	Room 01 - Sanctuary	Tan 9"x9" Floor Tile with Black Mastic	2,600 square feet (SF)	N	N
	Room 09 – Sacrament Room	Tan 9"x9" Floor Tile with Black Mastic	120 SF	N	N
	Room 08 – Chapel Secretary	Tan 9"x9" Floor Tile with Black Mastic	120 SF	N	N
	Room 07 – Protestant Chaplain	Tan 9"x9" Floor Tile with Black Mastic	120 SF	N	N
	Room 06 – Catholic Chaplain	Tan 9"x9" Floor Tile with Black Mastic	120 SF	N	N
	Room 05 – Chief Chaplain	Tan 9"x9" Floor Tile with Black Mastic	120 SF	N	N
	Room 02 – Sacristy Room	Tan 9"x9" Floor Tile with Black Mastic	145 SF	N	N
	Corridors (Under Carpet)	Tan 9"x9" Floor Tile with Black Mastic	740 SF	N	N
	Throughout	Fire Doors	5 Each	Y	N

- Condition: N = No Damage, D = Damage, S = Significant Damage
- Quantities are approximated and must be verified by abatement contractor.

4.0 SUSPECT MATERIALS TESTING NEGATIVE FOR ASBESTOS CONTENT

4.0 Suspect Materials Testing Negative for Asbestos Content

The following materials were observed, sampled, submitted for analysis and found not to be asbestos-containing materials:

- ❖ 1'x1' Spline Ceiling Tile
- ❖ Elbows Associated with Fiberglass Pipe Insulation
- ❖ Gray 12"x12" Floor Tile with Yellow Mastic
- ❖ White 2'x4' Lay-In Ceiling Tile
- ❖ Drywall Material with Joint Compound

5.0 SAMPLING METHODOLOGY

5.0 Sampling Methodology

Bulk samples of suspected asbestos-containing material (ACM) were collected in accordance with guidelines set forth by the Environmental Protection Agency (EPA) and the National Institute for Occupational Safety and Health (NIOSH). The procedures for obtaining a bulk sample of suspected ACM are:

1. "Functional Spaces" in the Property were identified. A Functional Space is a spatially distinct unit within a building, which contains identifiable populations of building occupants (i.e. corridor, office space, mechanical area, etc.).
2. The total amount and location of each type of suspected ACM was tabulated.
3. The types of suspected ACM were then grouped as homogeneous materials. Each homogeneous material is defined as being uniform in texture and appearance. Based on these parameters, each homogeneous material was assigned a specific identification number as listed below.

Homogeneous Material I.D. #Reference List

Surfacing

0100 to 0199 - Sprayed-On
0200 to 0299 - Troweled-On
0300 to 0399 - Blown-In
0400 to 0499 - Other Surfacing
1900 to 1999 - Plaster Walls and Ceilings

Thermal

0500 to 0599 - Lagging
0600 to 0699 - Breeching
0700 to 0799 - Duct Insulation
0800 to 0899 - Tank Insulation
0900 to 0999 - Block Pipe Insulation
1000 to 1099 - Joints associated with Block Pipe Insulation
1100 to 1199 - Corrugated/Air Cell Pipe Insulation
1200 to 1299 - Joints associated with Corrugated Pipe Insulation
1300 to 1399 - Compressed Pipe Insulation
1400 to 1499 - Joints associated with Compressed Pipe Insulation
1500 to 1599 - Joints associated with Fibrous Glass Pipe Insulation
1600 to 1699 - Other Thermal

5.0 Sampling Methodology (Continued)

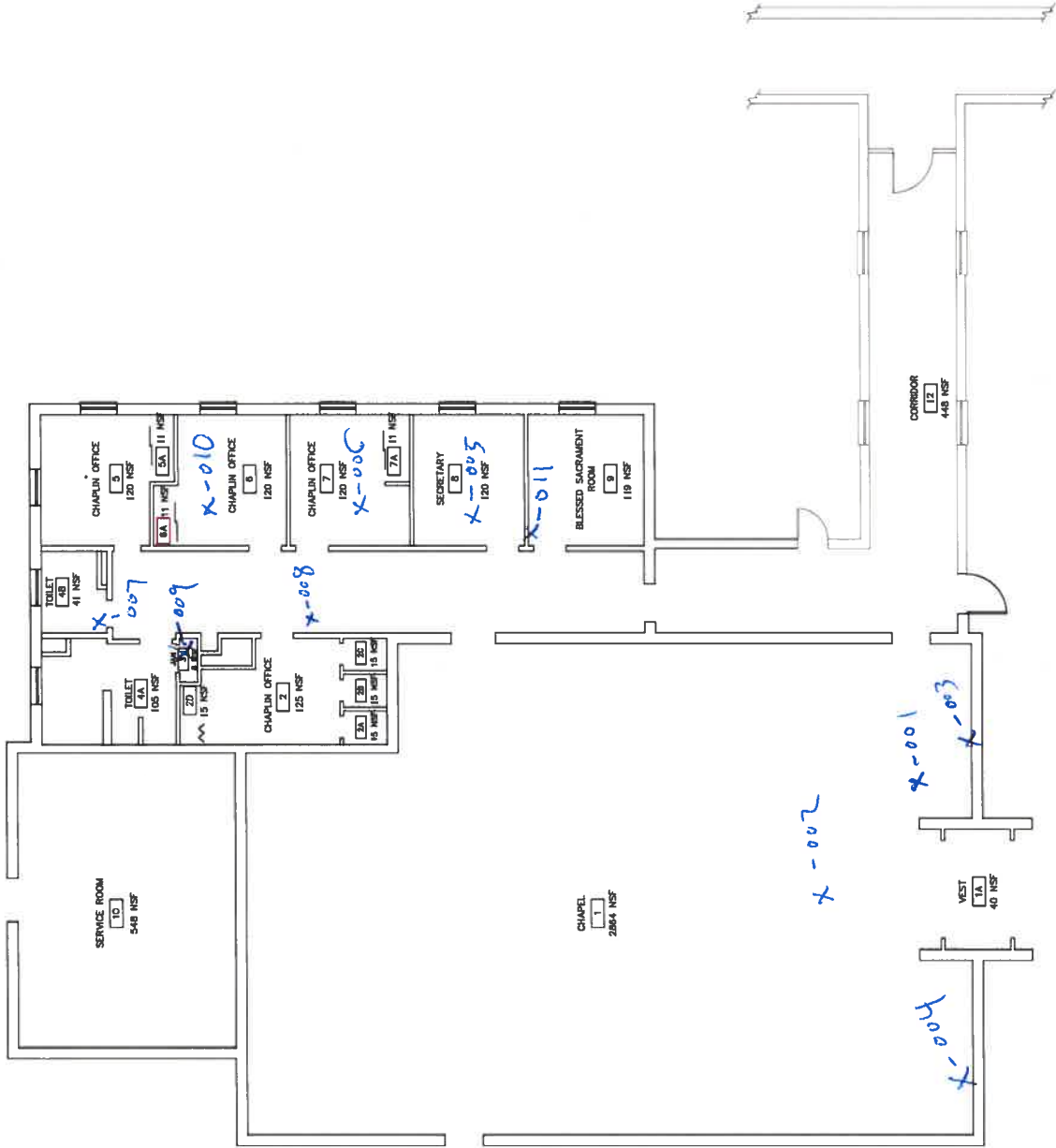
Miscellaneous

1700 to 1799 - Lay-In Ceiling Tiles
1800 to 1899 - Spline Ceiling Tiles
2000 to 2099 - Floor Tiles
2100 to 2199 - Drywall
2200 to 2299 - Linoleum
2300 to 2399 - Transite
2400 to 2499 - Expansion Joints
2500 to 2599 - Mastic Floor Tiles
2600 to 2699 - Other Miscellaneous
2700 to 2799 - Mastic Linoleum

4. A sampling scheme was devised based upon the amounts and locations of the different homogeneous materials in order to obtain representative samples.
5. Trained personnel using an appropriate sampling tool and a leak-tight, labeled sample container took the actual bulk samples. The sampling was conducted in areas of the building that are not readily visible to the building occupants. These areas included above lay-in ceiling tiles and beneath cabinets and desks, etc.
6. The personnel employed proper decontamination procedures to prevent contamination of the building environment and possible exposure to themselves and others.
7. Each location of suspicious asbestos-containing material (ACM) was documented on the Asbestos Bulk Sample Log. This documentation included the location of suspicious materials, type of material located and square footage of suspicious ACM. All bulk samples taken were documented on the Sample Log form and a Chain of Custody form. Each was completed for all samples taken by the inspector and handler.
8. The samples were then taken to the laboratory for analysis. The Certificates of Analysis and Chain of Custody relative to each sample are included in this report.
9. The inspector assessed the condition of the suspicious ACM using the eight EPA factors.

6.0 DRAWINGS WITH SAMPLE LOCATIONS

142073
11-3-14



BUILDING 106
FIRST FLOOR PLAN

SCALE: NONE

7.0 PHOTOGRAPHS OF SAMPLED MATERIALS

7.0 Photographs of Sampled Materials



Figure 1: HID#2000/2500 – Tan 9"x9" Floor Tile with Black Mastic

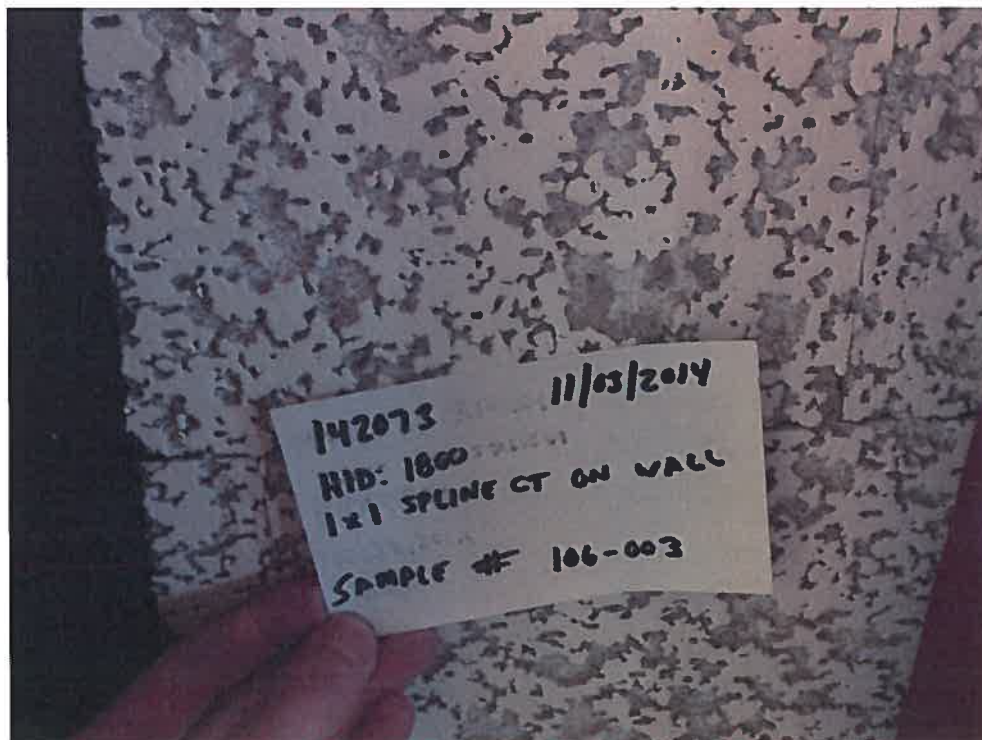


Figure 2: HID#1800 – 1'x1' Spline Ceiling Tile

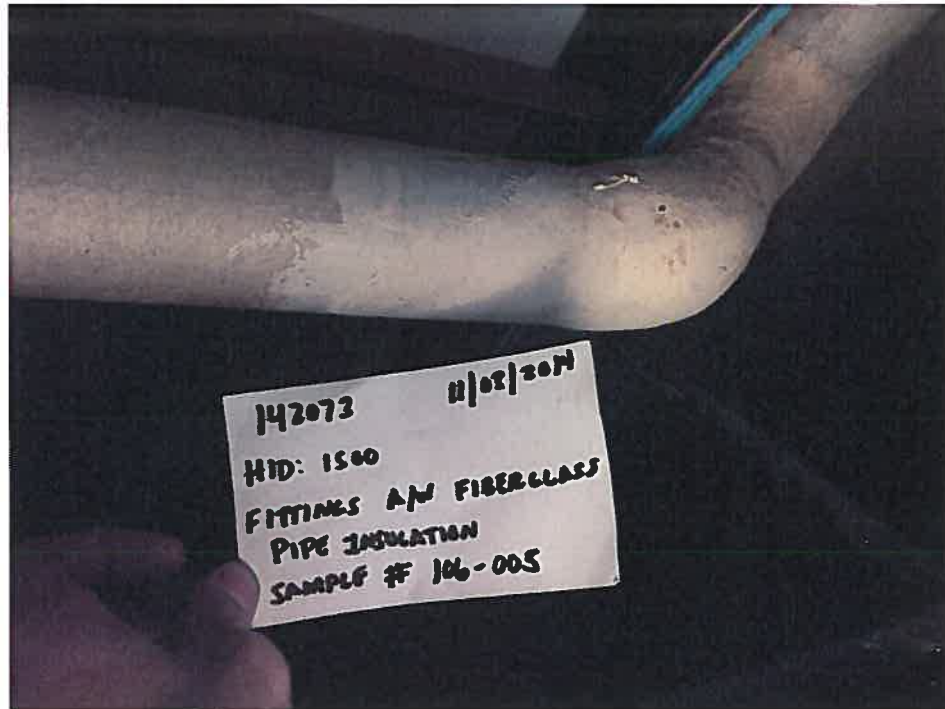


Figure 3: HID#1500 – Fittings Associated with Fiberglass Pipe Insulation



Figure 4: HID#2001/2501 – Gray 12"x12" Floor Tile with Yellow Mastic

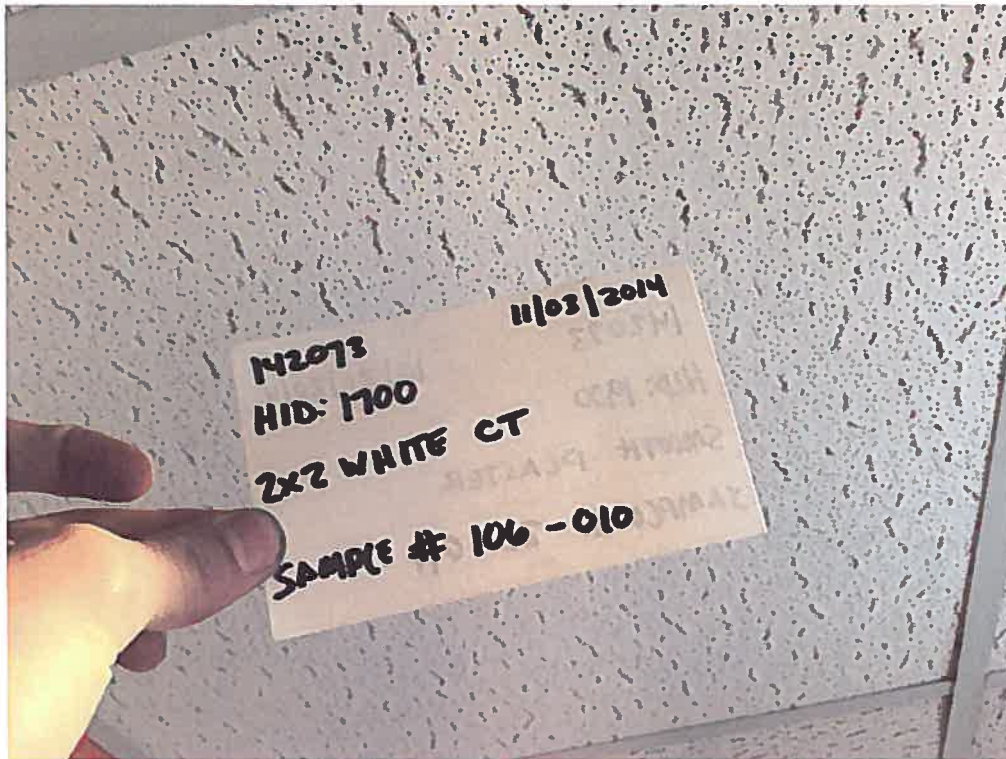


Figure 5: HID#1700 – 2'x4' White Lay-In Ceiling Tile

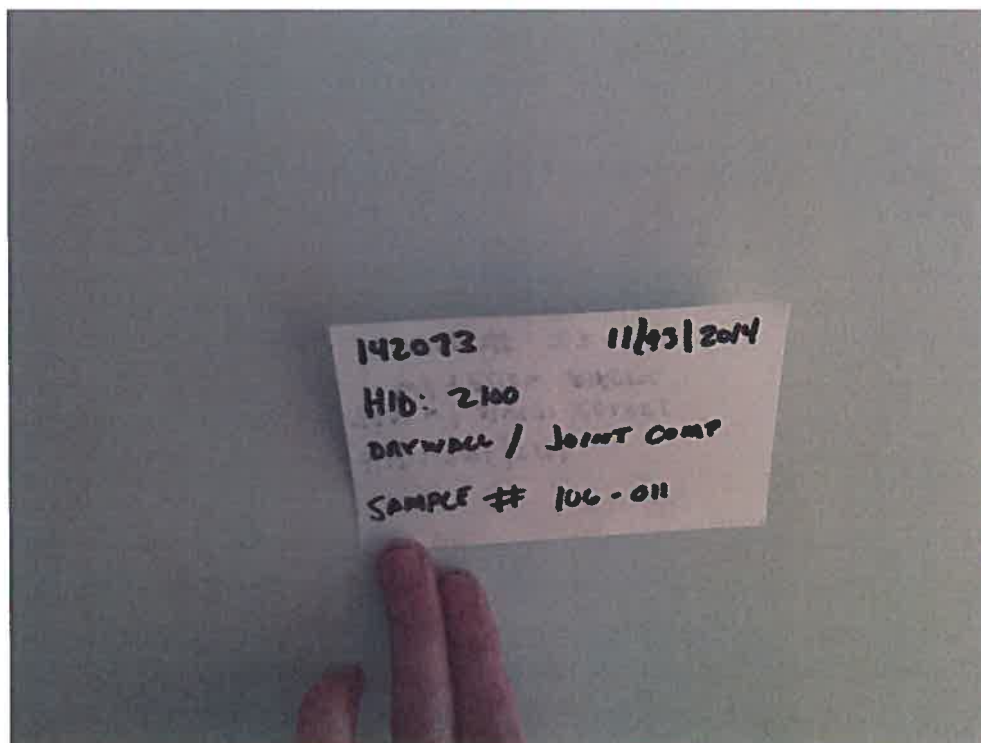


Figure 6: HID#2100 – Drywall Material with Joint Compound

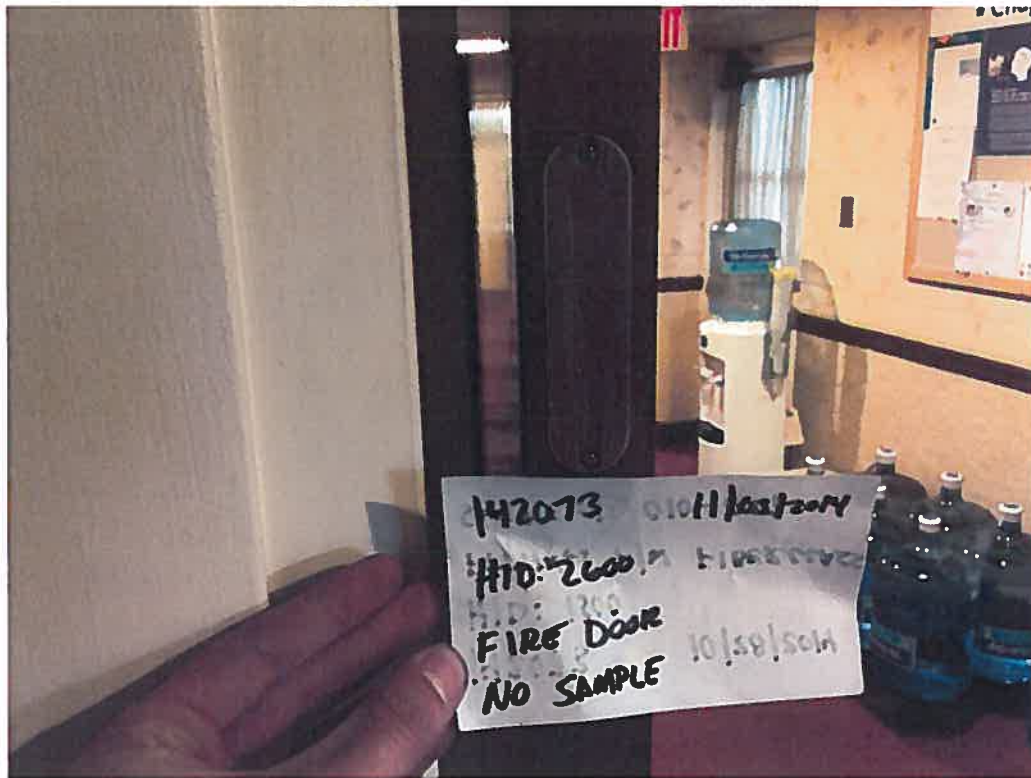



Figure 7: HID#2600 – Fire Door

8.0 CERTIFICATIONS

PENNSYLVANIA ASBESTOS CERTIFICATION

050059



Sex: M Height: 6'00" Eyes: BLU Birth Date: 01/29/1988
Expires: 09/09/2015 Issue Date: 09/24/2014
Class: INSPECTOR
CRAIG M GRATZ
7950 HENRY AVENUE
APT. 33B
PHILADELPHIA PA 19128

CC

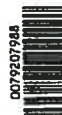
1.0



0260 489 10

If found, please contact:

**Department of Labor & Industry
Certification, Accreditation & Licensing Division
651 Boas Street, Room 1606
Harrisburg, PA 17121.
(717) 772-3396**



PENNSYLVANIA ASBESTOS CERTIFICATION

050322



Sex: M Height: 5'11" Eyes: BRN Birth Date: 01/16/1987
Expires: 01/07/2015 Issue Date: 01/16/2014
Class: INSPECTOR
RYAN HUNTER
1433 S HICKS STREET
PHILADELPHIA PA 19146

R. H.

1.0 0417 141 03

If found, please contact:
Department of Labor & Industry
Certification, Accreditation & Licensing Division
651 Boas Street, Room 1606
Harrisburg, PA 17121.
(717) 772-3396

