



Criterion  
Laboratories Inc.

## Report

# ***ASBESTOS- CONTAINING MATERIALS SURVEY***

**AT:**

**Lebanon VA Medical Center – Building 23  
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**

3370 Progress Drive, Suite J, Bensalem, PA 19020  
215-244-1300 / Fax 215-244-4349  
5 Penn Plaza, 23rd Floor, New York, NY 10001  
212-244-0033 / Fax 212-244-0155  
[www.criterionlabs.com](http://www.criterionlabs.com)

**Report Date: January 27, 2015**

**Project Number: 142073**

**Date of Project: November 6, 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 23**.

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 forty-five (45) 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 eight (8) materials:

- ❖ Block Pipe Insulation
- ❖ Compressed Paper Pipe Insulation
- ❖ Brown Flooring Material
- ❖ Brown 9"x9" Floor Tile
- ❖ Tan 9"x9" Floor Tile
- ❖ Turquoise 9"x9" Floor Tile with Black Mastic
- ❖ Green 9"x9" Floor Tile with Black Mastic
- ❖ Tan Flooring Material

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.

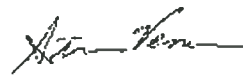
Section 3.0, Asbestos Inventory, lists specific locations and quantities of asbestos-containing materials.

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.



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Steven A. Vena, CIH  
Project Manager

## **2.0 LABORATORY RESULTS**



# 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: 11/6/2014  
Sample Received Date: 1/7/2015 3:46:00 PM  
Analysis Date: 1/8/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142072-23-037 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-001 Block Pipe Insulation Building 23 - Basement - Crawlspace	1	---	30	Chrysotile Amosite	20 50	
142073-23-002 Compressed Pipe Insulation Building 23 - Basement - Crawlspace	1	Cellulose-30	40	Chrysotile	30	
142073-23-003 Compressed Pipe Insulation Building 23 - Basement - Crawlspace	1	Cellulose-35	40	Chrysotile	25	
142073-23-004 Compressed Pipe Insulation Building 23 - Basement - Crawlspace	1	Cellulose-35	40	Chrysotile	25	
142073-23-005 Elbows associated with (A/W) Compressed Pipe Insulation Building 23 - Basement - Crawlspace	1	Fiberglass-70	30	None Detected	---	
142073-23-006 Elbows associated with (A/W) Compressed Pipe Insulation Building 23 - Basement - Crawlspace	1	Fiberglass-70	30	None Detected	---	
142073-23-007 Block Pipe Insulation Building 23 - Basement - Crawlspace	1	Cellulose-15	60	Chrysotile	25	



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

Sample Date: 11/6/2014  
 Sample Received Date: 11/11/2014 8:29:00 AM  
 Analysis Date: 1/7/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-008 Block Pipe Insulation Building 23 - Basement - Crawlspace	1	Cellulose-15	60	Chrysotile	25	
142073-23-009 Off-White 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122 (Under Carpet)	1	---	100	None Detected	---	
142073-23-009 Black Mastic A/W Off-White 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122 (Under Carpet)	2	Cellulose-15	85	None Detected	---	
142073-23-010 White with Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122	1	---	100	None Detected	---	
142073-23-010 Yellow Mastic A/W White with Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122	2	---	100	None Detected	---	
142073-23-011 Blue 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122	1	---	100	None Detected	---	
142073-23-011 Yellow Mastic A/W Blue 12" x 12" Floor Tile Building 23 - 1st Floor - Room 122	2	---	100	None Detected	---	
142073-23-012 Brown Flooring Building 23 - 1st Floor - Room 123	1	---	98	Chrysotile	2	





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17042-7529  
Sample Date: 11/6/2014  
Sample Received Date: 1/8/2015 3:46:00 PM  
Analyzed By: Leiby, Clinton  
Analysis Date: 1/7/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-012 Black Mastic A/W Brown Flooring Building 23 - 1st Floor - Room 123	2	---	100	None Detected	---	
142073-23-013 Brown Flooring Building 23 - 1st Floor - Room 123	1	---	98	Chrysotile	2	
142073-23-013 Black Mastic A/W Brown Flooring Building 23 - 1st Floor - Room 123	2	---	100	None Detected	---	
142073-23-014 Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124 & 124B	1	---	100	None Detected	---	
142073-23-014 Yellow Mastic A/W Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124 & 124B	2	---	100	None Detected	---	
142073-23-015 Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124 & 124B	1	---	100	None Detected	---	
142073-23-015 Yellow Mastic A/W Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124 & 124B	2	---	100	None Detected	---	
142073-23-016 Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 121	1	---	100	None Detected	---	



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Collected By: Criterion Laboratories, Inc.

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA  
17042-7529  
Sample Date: 11/6/2014  
Sample Received Date: 1/8/2015 3:49:00 PM  
Analyzed By: Leiby, Clinton  
Analysis Date: 1/7/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-016 Yellow Mastic A/W Light Tan 12" x 12" Floor Tile Building 23 - 1st Floor - Room 121	2	---	100	None Detected	---	
142073-23-017 Brown 9" x 9" Floor Tile Building 23 - 1st Floor - Room 121 (2nd Layer)	1	---	98	Chrysotile	2	
142073-23-017 Black Mastic A/W Brown 9" x 9" Floor Tile Building 23 - 1st Floor - Room 121 (2nd Layer)	2	Cellulose-10	90	None Detected	---	
142073-23-018 White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124A	1	---	100	None Detected	---	
142073-23-018 Yellow Mastic A/W White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 124A	2	---	100	None Detected	---	
142073-23-019 Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 129	1	---	98	Chrysotile	2	
142073-23-019 Black Mastic A/W Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 129	2	Cellulose-10	90	None Detected	---	
142073-23-020 Turquoise 9" x 9" Floor Tile Building 23 - 1st Floor - Room 115	1	---	98	Chrysotile	2	



# Results of Polarized Light Microscopy

Client: YAMC - Lebanon VA Medical Center

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

Sample Date: 11/6/2014

Project #: 142073

Sample Received Date: 1/8/2015 4:03:00 PM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Leiby, Clinton

Analysis Date: 1/7/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-020 Black Mastic A/W Turquoise 9" x 9" Floor Tile Building 23 - 1st Floor - Room 115	2	---	98	Chrysotile	2	
142073-23-021 Turquoise 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114A	1	---	98	Chrysotile	2	
142073-23-021 Black Mastic A/W Turquoise 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114A	2	---	98	Chrysotile	2	
142073-23-022 White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 102	1	---	100	None Detected	---	
142073-23-022 Black Mastic A/W White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Room 102	2	---	100	None Detected	---	
142073-23-023 Green 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114	1	---	98	Chrysotile	2	
142073-23-023 Black Mastic A/W Green 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114	2	---	96	Chrysotile	4	
142073-23-024 Green 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114	1	---	98	Chrysotile	2	



# Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center

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

Sample Date: 11/6/2014

Project #: 142073

Sample Received Date: 1/8/2015 4:10:00 PM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Nguyen, Nhi

Analysis Date: 1/29/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-024 Black Mastic A/W Green 9" x 9" Floor Tile Building 23 - 1st Floor - Room 114	2	---	96	Chrysotile	4	
142073-23-025 Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 103	1	---	98	Chrysotile	2	
142073-23-025 Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 103	2	---	98	Chrysotile	2	
142073-23-025 Black Mastic A/W Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 103	3	---	100	None Detected	---	
142073-23-025 Black Mastic A/W Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 103	4	---	100	None Detected	---	
142073-23-026 Tan Flooring Material Building 23 - 1st Floor - Suite 113 Area	1	---	98	Chrysotile	2	
142073-23-027 Tan Flooring Material Building 23 - 1st Floor - Suite 113 Area	1	---	98	Chrysotile	2	
142073-23-028 Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 106	1	---	98	Chrysotile	2	



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

Sample Date: 11/6/2014

Project #: 142073

Sample Received Date: 1/8/2015 4:14:00 PM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Leiby, Clinton

Analysis Date: 1/8/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-028 Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 106	2	---	98	Chrysotile	2	
142073-23-028 Black Mastic A/W Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 106	3	---	95	Chrysotile	5	
142073-23-028 Black Mastic A/W Turquoise/Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Room 106	4	---	95	Chrysotile	5	
142073-23-029 Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Hallway	1	---	98	Chrysotile	2	
142073-23-029 Black Mastic A/W Tan 9" x 9" Floor Tile Building 23 - 1st Floor - Hallway	2	---	98	Chrysotile	2	
142073-23-030 White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	1	---	100	None Detected	---	
142073-23-030 Yellow Mastic A/W White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	2	---	100	None Detected	---	
142073-23-031 Pink/Salmon 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	1	---	100	None Detected	---	





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Project #: 142073  
Collected By: Criterion Laboratories, Inc.

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA  
17042-7529  
Sample Date: 11/6/2014  
Sample Received Date: 1/8/2015 4:18:00 PM  
Analyzed By: Leiby, Clinton  
Analysis Date: 1/8/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-031 Yellow Mastic A/W White with Black Streaks 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	2	---	100	None Detected	---	
142073-23-032 Not Sampled	1					
142073-23-033 Brown Cove Base Glue Building 23 - 1st Floor - Room 113 Area	1	---	100	None Detected	---	
142073-23-034 Not Sampled	1					
142073-23-035 Drywall/Joint Compound Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-036 Drywall/Joint Compound Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-038 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-039 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	



# Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center

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

Sample Date: 11/6/2014

Project #: 142073

Sample Received Date: 1/7/2015 3:46:00 PM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Leiby, Clinton

Analysis Date: 1/8/2015

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-23-040 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-041 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-042 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-043 Smooth Plaster Building 23 - 1st Floor - Throughout	1	---	100	None Detected	---	
142073-23-044 White/Gold 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	1	---	100	None Detected	---	
142073-23-044 Yellow/Mastic A/W White/Gold 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	2	---	100	None Detected	---	
142073-23-045 White/Gold 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	1	---	100	None Detected	---	
142073-23-045 Yellow/Mastic A/W White/Gold 12" x 12" Floor Tile Building 23 - 1st Floor - Hallway	2	---	100	None Detected	---	



# Results of Polarized Light Microscopy

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17042-7529  
Analyzed By: Leiby, Clinton

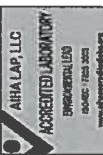
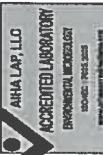
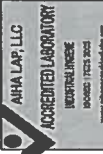
Sample Date: 11/6/2014  
Sample Received Date: 1/8/2015 4:23:00 PM  
Analysis Date: 1/8/2015

*James A. Weltz*  
**James A. Weltz, 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. linoleum, 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 - 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	48 Hrs	Field	Walk-in	Inspector: C. Gratz / R. Hunter	11-6-14
72 Hrs	Other 3-5 days	Index	Other	Project Manager: Steve Vena	Comments: ND = NONE Detected

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis Asbestos Type (\$)	%
23-001	0900	Black Pipe Insulation	Basement - Crawl Space	2000 SF	Y	N	chrysotile / Anosite	20/50
-002	1300	Compressed Pipe Insulation		300 LF	Y	N	chrysotile	30
-003	1300			-	Y	N	chrysotile	25
-004	1300			-	Y	N	chrysotile	25
-005	1400	Elbows A/W Compressed PI		Coem	Y	N	ND	
-006	1400			-	Y	N	ND	
-007	0900	Black Pipe Insulation		-	Y	N	chrysotile	25
-008	0900			-	Y	N	chrysotile	25
-009	200500	Off-white 12x12 FT w/Black (unit)	1st Floor - Room 122	2735 SF	N	N	ND	
-010	200501	White w/strakes 12x12 FT w/white		35 SF	N	N	ND	
-011	200502	Blue FT w/white		20 SF	N	N	ND	
WS	200500	Off-white 12x12 FT w/Black	- Room 122A	720 SF	N	N		
-012	2500	Brown flooring w/Black matrix (unit)	- Room 123	680 SF	N	N	chrysotile (T)	2
-013	2500			-	N	N	chrysotile (T)	2

LAB INFORMATION

CHAIN OF CUSTODY

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Gratz	11-10-14	Mini Nguyen	11/11/14	C. Vary	11/8/15



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:	Method of Submittal:			Building 23	11-C-14	
24 Hrs	48 Hrs	Field	Walk-in			US Mail
72 Hrs	Other	Index	Other			
Inspector: C. Grant / R. Hunter				Comments: no action to 125, 117		
Project Manager: Steve Vena						

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LR)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis
23-014	2007/2503	light Tan 12x12 FT w/ yellow mastic	1st Floor - Room 124+124B	515 SF	N	N	ND
-015	2007/2503	↓		-	N	N	ND
-NS	2007/2503	Brown Flooring w/ Black mastic (2nd layer)		515 SF	Y	N	ND
-016	2007/2503	light Tan 12x12 FT w/ yellow mastic	- Room 121	230 SF	N	N	ND
-017	2007/2504	Brown 9x9 FT w/ black mastic (2nd layer)	↓	230 SF	N	N	chrysotile (T)
N>	2007/2503	light Tan 12x12 FT w/ yellow mastic (2nd layer)	- Room 124A	105 SF	N	N	
N>	2007/2504	Brown 9x9 FT w/ Black mastic (2nd layer)	↓	105 SF	N	N	ND
-018	2007/2505	white w/ Black Strakes 12x12 FT w/ yellow mastic	- Room 12C	230 SF	N	N	ND
NS	2007/2502	Blue 12x12 FT w/ yellow mastic	↓	24 SF	N	N	
NS	2007/2503	light Tan 12x12 FT w/ yellow mastic	- Room 126A + 127	600 SF	N	N	
N>	2007/2504	Brown 9x9 FT w/ Black mastic (2nd layer)	↓ and 128	600 SF	N	N	
-019	2007/2506	Tan 9x9 FT w/ Black mastic	- Room 129	200 SF	N	N	chrysotile (T)
-020	2007/2507	Turquoise 9x9 FT w/ Black mastic	- Room 115	130 SF	N	N	chrysotile (T/m)
N>	2007/2502	Blue 12x12 FT w/ yellow mastic	↓	10 SF	N	N	2/2

LAB INFORMATION

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Grant	11-10-14		11/11/14	C. Grant	11/15/15

CHAIN OF CUSTODY





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

Sample Date: 11-6-14

FS Name-#/Work Area:

Building 23

Comments:

Inspector: C. Gratz / R. Hunter

Project Manager: Steve Verna

Analysis:	Turnaround Time	TEM		Method of Submittal	
		PLM	Other	Field	US Mail
24 Hrs	48 Hrs				
72 Hrs	Other				

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LB)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type(s)	%
23-001	2007/2507	Turquoise 9x9 FT w/ Black Mastic	1st Floor - Room 114A	130 SF	N	N	Chrysotile (T/m)	2/2
NS	2006/2502	Blue 12x12 FT w/ Yellow Mastic	↓	10 SF	N	N		
-022	2006/2508	White w/ Black Stripes 12x12 FT w/ Black Mastic	- Room 102	305 SF	N	N	RD * NN 11/29/15	-
-023	2007/2509	Green 9x9 FT w/ Black Mastic	- Room 114	50 SF	N	N	Chrysotile (MGT)	4/2
-024	2007/2509	↓	↓	-	N	N	Chrysotile (MGT)	4/2
-025	2010/2510	Turquoise / Tan 9x9 FT w/ Black Mastic (cont)	- Room 103	280 SF	N	N	Chrysotile (T/m)	2/2
NS	2010/2510	↓	- Room 104	140 SF	N	N		
NS	2010/2510	↓	- Room 105	250 SF	N	N		
NS	2006/2506	Tan 9x9 FT w/ Black Mastic	- Suite 113 Area	530 SF	N	N		
-026	2001	Tan Flooring Material	↓	180 SF	N	N	Crysotile (T)	2
-027	2001	↓	↓	-	N	N	Chrysotile	2
-028	2010/2510	Turquoise / Tan 9x9 FT w/ Black Mastic	- Room 106	230 SF	N	N	Chrysotile (T/m/m)	2/2
-029	2006/2506	Tan 9x9 FT w/ Black Mastic	- Hallway	1275 SF	N	N	Chrysotile (T/m/m)	2/2
-030	2003/2503	White w/ Black Stripes 12x12 FT w/ Yellow Mastic	↓	940 SF	N	N	RD	

LAB INFORMATION

Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
	11/11/14	C. Gratz	1/8/15

CHAIN OF CUSTODY

Relinquished By (Print/Sign)	Date/Time
C. Gratz	11-10-14



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:
Turnaround Time	48 Hrs	Field	Walk-in	Building 23	11-6-14
72 Hrs	Other 3-5 days	Fedex	Other	Inspector: C. Gratz / R. Hunter	Comments:
				Project Manager: Steve Vena	Most core base glue is clear, non suspect

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis Asbestos Type (S)	%
23-031	2011	Pink/White 12x12 FT w/ yellow mastic	1st Floor - Hallway	170 SF	N	N	ND	
-032	2011			-	N	N	Not Sampled	
-033	2002	Brown Core Base Glue	- Room 113 Area	110 LF	N	N	ND	
-034	2002		- Locker Rooms (114A+115)	90 LF	N	N	Not Sampled	
-035	2100	Drywall / Joint Compound	- Throughout	1800 SF	Y	N	ND	
-036	2100			-	Y	N	ND	
-037	1900	Smooth Plaster		15,500 SF	Y	N	ND	
-038	1900			-	Y	N	ND	
-039	1900			-	Y	N	ND	
-040	1900			-	Y	N	ND	
-041	1900			-	Y	N	ND	
-042	1900			-	Y	N	ND	
-043	1900			-	Y	N	ND	
NS	2502	Brown Core base Glue	- Room 114	25 LF	N	N	ND	

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		11/11/14	C. Gratz	11/8/15

CHAIN OF CUSTODY





**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: <u>PLM</u>	TEM	Other	
Turnaround Time		Method of Submittal	
24 Hrs	48 Hrs	Field	Walk-in US Mail
72 Hrs	Other <u>35th</u>	Fedex	Other
F'S Name-/Work Area: <u>Building 23</u>		Inspector: <u>C. Gratz / R. Hunter</u>	
Sample Date: <u>11-6-14</u>		Project Manager: <u>Steve Vena</u>	
Comments:			

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (S)	%
23-044	20% 23-044	White/Gold 12x12 FT w/ yellow marks	1st Floor - Hallway	600 SF	N	N	ND	
23-045	20% 23-045			-	N	N	ND	

## LAB INFORMATION

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Grant	11-10-14	[Signature]	11/11/14	C. Lege	1/8/15

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

<b>Building #: 23</b>	<b><u>Location</u></b>	<b><u>Material</u></b>	<b><u>Quantity</u></b>	<b><u>Friable</u></b>	<b><u>Condition</u></b>
<b>Basement</b>					
	Crawlspace	Block Pipe Insulation	2,000 Linear Feet (LF)	Y	N
	Crawlspace	Compressed Paper Pipe Insulation	300 LF	Y	N
<b>1<sup>st</sup> Floor</b>					
	Room 123 (Under Carpet)	Brown Flooring Material	680 Square Feet (SF)	Y	N
	Room 124 & 124B (2 <sup>nd</sup> Layer)	Brown Flooring Material	515 SF	Y	N
	Room 121 (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	230 SF	N	N
	Room 124A (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	105 SF	N	N
	Rooms 126A, 127, & 128 (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	600 SF	N	N
	Room 129	Tan 9"x9" Floor Tile	200 SF	N	N
	Room 115	Turquoise 9"x9" Floor Tile with Black Mastic	130 SF	N	N
	Room 114A	Turquoise 9"x9" Floor Tile with Black Mastic	130 SF	N	N
	Room 114	Green 9"x9" Floor Tile with Black Mastic	50 SF	N	N

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

**Building #: 23**

<u>Location</u>	<u>Material</u>	<u>Quantity</u>	<u>Friable</u>	<u>Condition</u>
<b>1<sup>st</sup> Floor (Continued)</b>				
Room 103 (Under Carpet)	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	260 SF	N	N
Room 104	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	140 SF	N	N
Room 105	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	250 SF	N	N
Suite 113 Area	Tan 9"x9" Floor Tile	530 SF	N	N
Suite 113 Area	Tan Flooring Material	180 SF	N	N
Room 106	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	230 SF	N	N
Hallway	Tan 9"x9" Floor Tile	1,275 SF	N	N

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

### **3.0 ASBESTOS INVENTORY**



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

<b>Building #: 23</b>	<b><u>Location</u></b>	<b><u>Material</u></b>	<b><u>Quantity</u></b>
<b>Basement</b>	Crawlspace	Block Pipe Insulation	2,000 Linear Feet (LF)
	Crawlspace	Compressed Paper Pipe Insulation	300 LF
<b>1<sup>st</sup> Floor</b>			
	Room 123 (Under Carpet)	Brown Flooring Material	680 Square Feet (SF)
	Room 124 & 124B (2 <sup>nd</sup> Layer)	Brown Flooring Material	515 SF
	Room 121 (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	230 SF
	Room 124A (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	105 SF
	Rooms 126A, 127, & 128 (2 <sup>nd</sup> Layer)	Brown 9"x9" Floor Tile	600 SF
	Room 129	Tan 9"x9" Floor Tile	200 SF
	Room 115	Turquoise 9"x9" Floor Tile with Black Mastic	130 SF
	Room 114A	Turquoise 9"x9" Floor Tile with Black Mastic	130 SF
	Room 114	Green 9"x9" Floor Tile with Black Mastic	50 SF
	Room 103 (Under Carpet)	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	260 SF
	Room 104	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	140 SF
	Room 105	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	250 SF
	Suite 113 Area	Tan 9"x9" Floor Tile	530 SF

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

**Building #: 23**

<b><u>Location</u></b>	<b><u>Material</u></b>	<b><u>Quantity</u></b>
<b>1<sup>st</sup> Floor (Continued)</b>		
Suite 113 Area	Tan Flooring Material	180 SF
Room 106	Turquoise/Tan 9"x9" Floor Tile with Black Mastic	230 SF
Hallway	Tan 9"x9" Floor Tile	1,275 SF

- 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:

- ❖ Elbows Associated with Compressed Paper Pipe Insulation
- ❖ Off-White 12"x12" Floor Tile with Black Mastic
- ❖ White with Streaks 12"x12" Floor Tile with Yellow Mastic
- ❖ Blue Floor Tile with Yellow Mastic
- ❖ Light Tan 12"x12" Floor Tile with Yellow Mastic
- ❖ Black Mastic Associated with Brown Flooring Material
- ❖ Black Mastic Associated with Brown 9"x9" Floor Tile
- ❖ White with Black Streaks 12"x12" Floor Tile with Yellow Mastic
- ❖ Black Mastic Associated with Tan 9"x9" Floor Tile
- ❖ White with Black Streaks 12"x12" Floor Tile with Black Mastic
- ❖ Pink/Salmon 12"x12" Floor Tile with Yellow Mastic
- ❖ Brown Cove Base Glue
- ❖ Drywall with Joint Compound
- ❖ Smooth Plaster
- ❖ White/Gold 12"x12" Floor Tile with Yellow Mastic

## **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

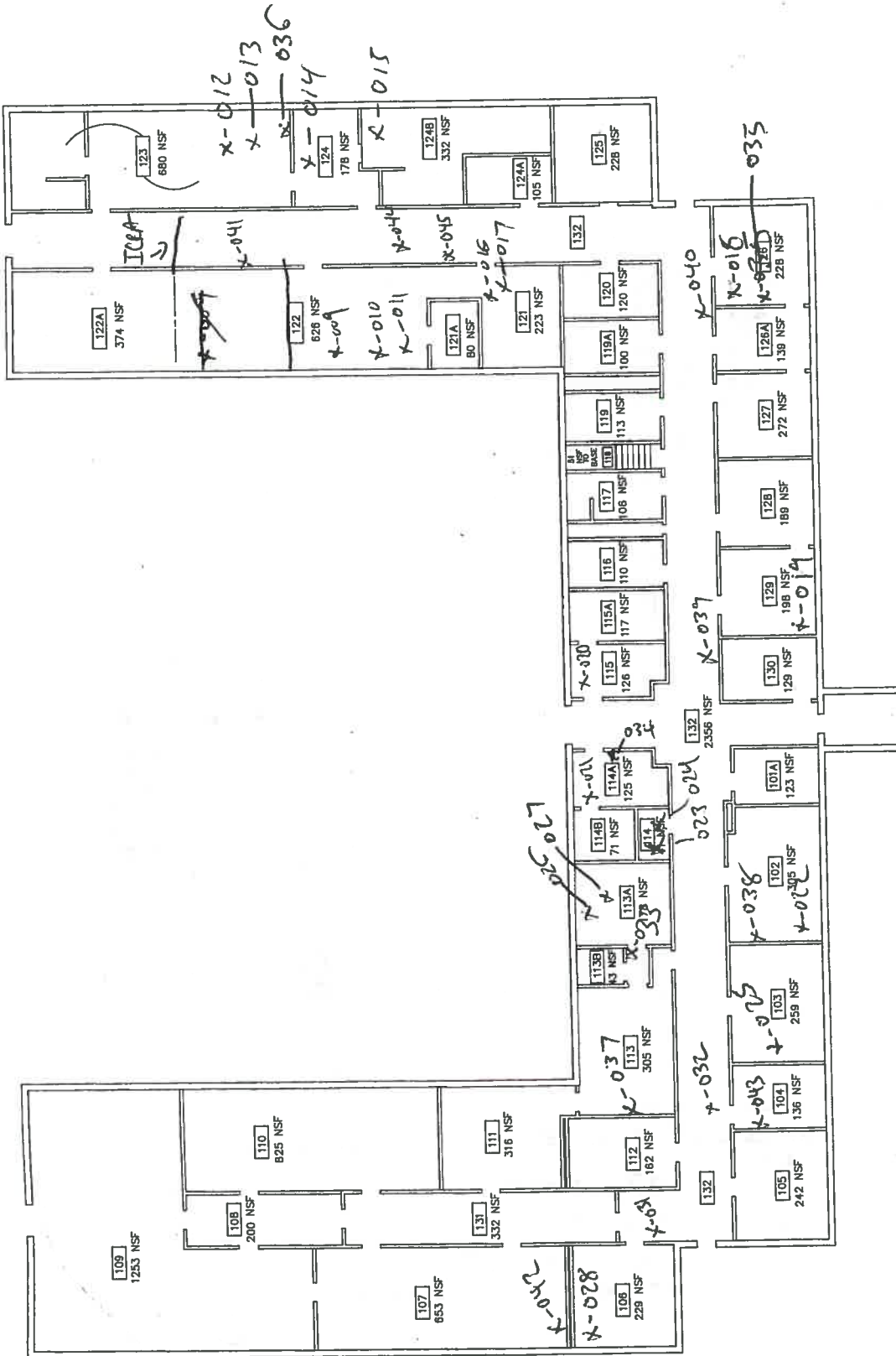
4. A sampling scheme was devised based upon the amounts and locations of the different homogeneous materials in order to obtain representative samples.
5. Trained personnel using an appropriate sampling tool and a leak-tight, labeled sample container took the actual bulk samples. The sampling was conducted 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**

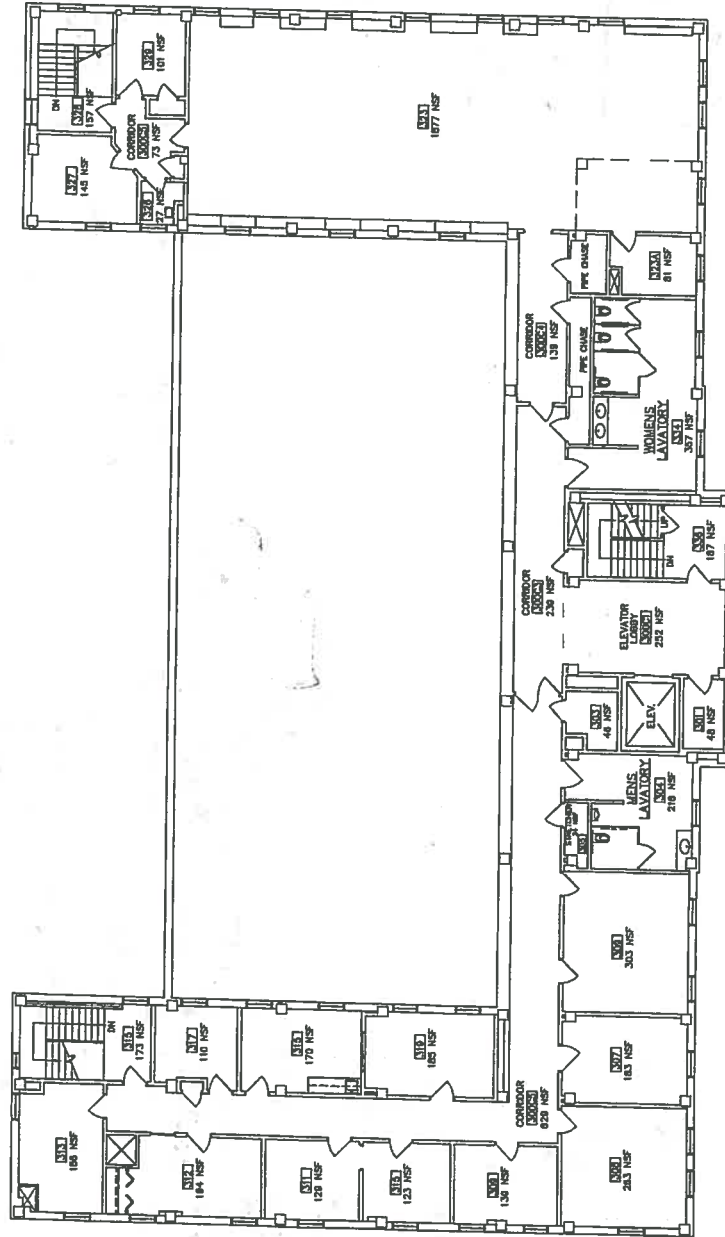


11-6-14

142073



BUILDING 23  
FIRST FLOOR PLAN  
SCALE: 1/16"=1'-0"

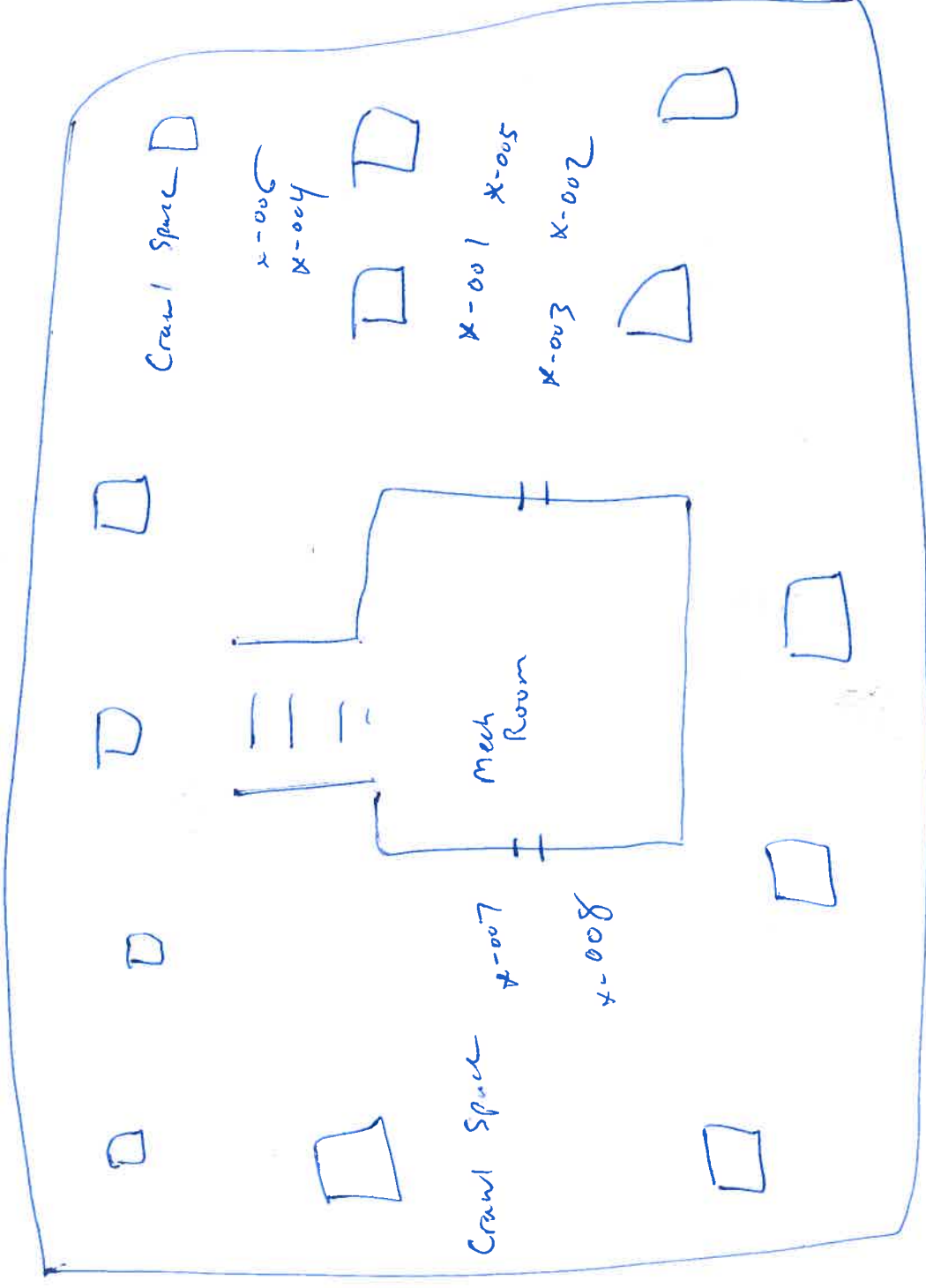


**BUILDING 22**  
**THIRD FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

Building 23  
142073

11-5-14

# Basement



## **7.0 PHOTOGRAPHS OF SAMPLED MATERIALS**

## 7.0 Photographs of Sampled Materials

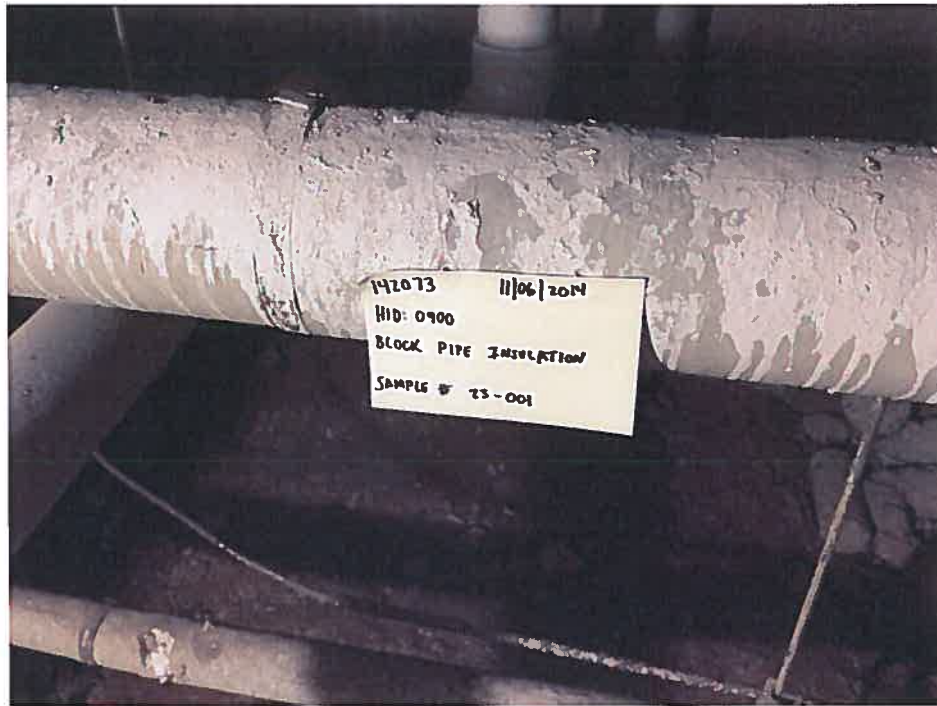


Figure 1: HID#0900 – Block Pipe Insulation

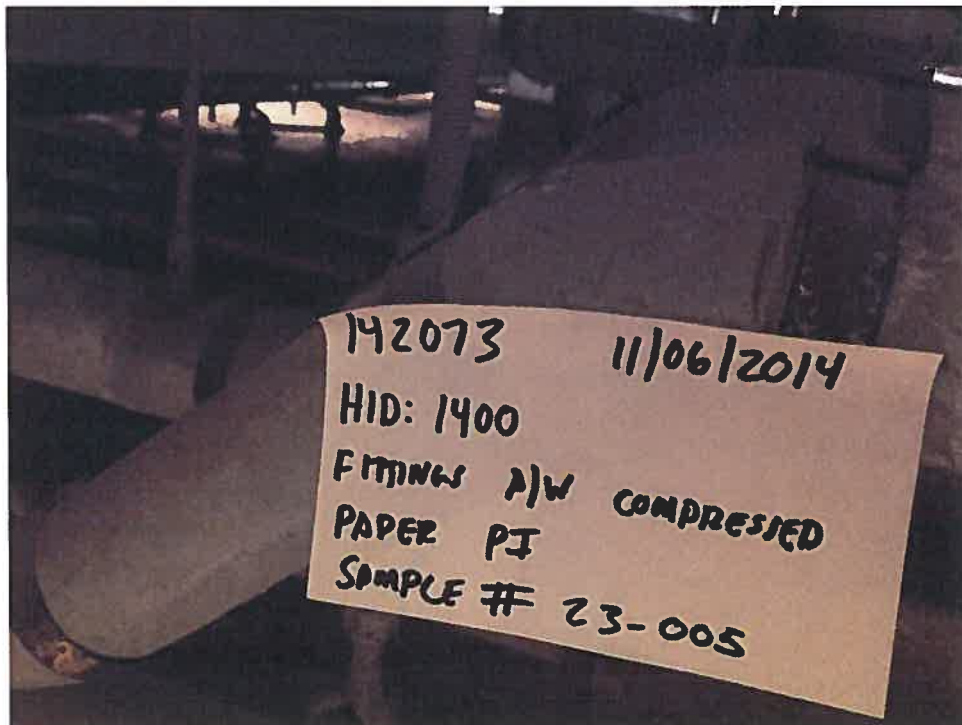


Figure 2: HID#1400 – Fittings Associated with Compressed Paper Pipe Insulation

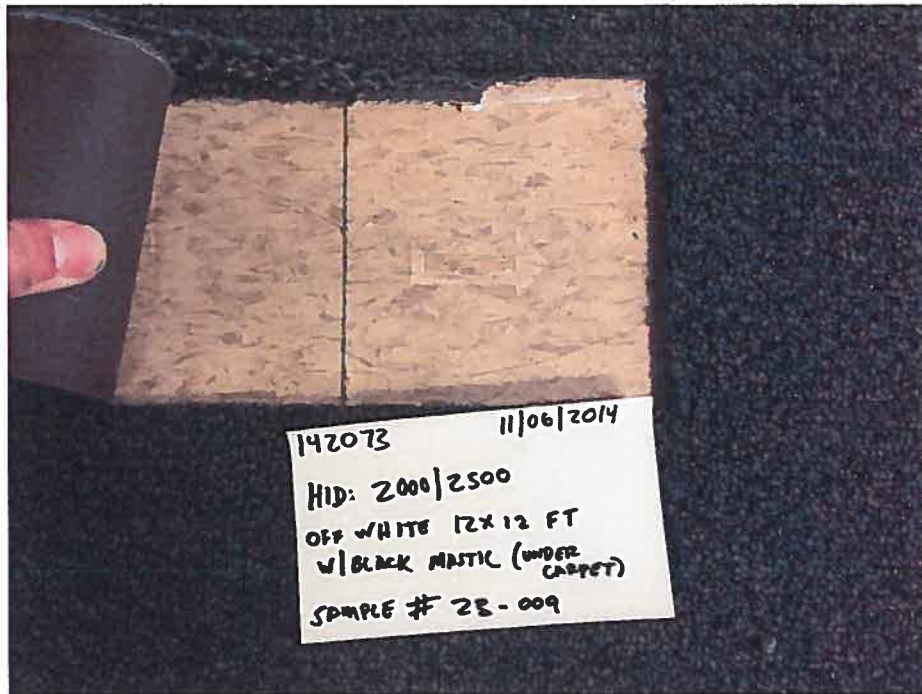


Figure 3: HID#2000/2500 – Off-White 12"x12" Floor Tile with Black Mastic

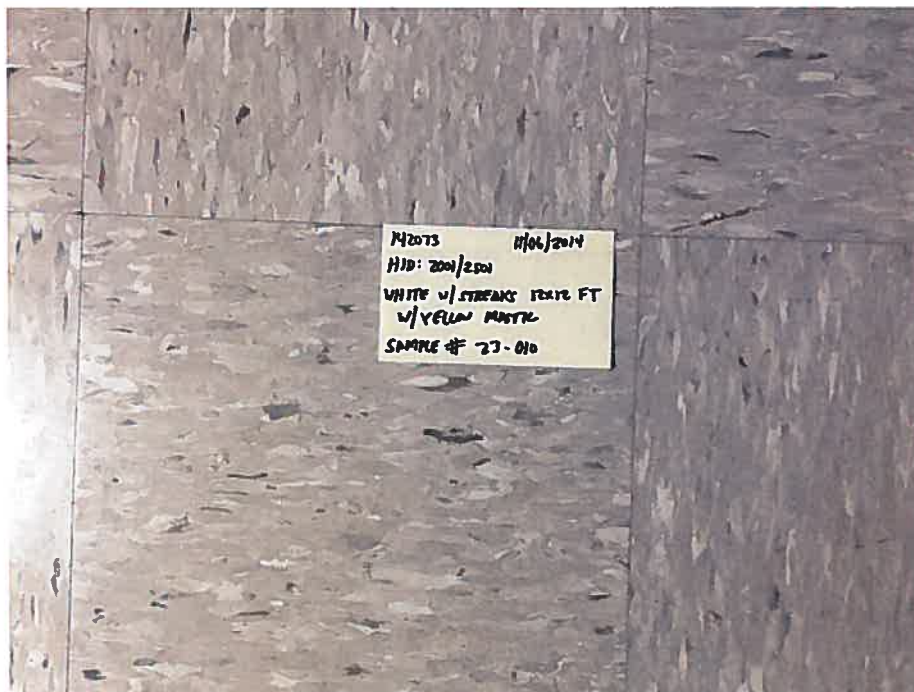


Figure 4: HID#2001/2501 – White with Streaks 12"x12" Floor Tile with Yellow Mastic



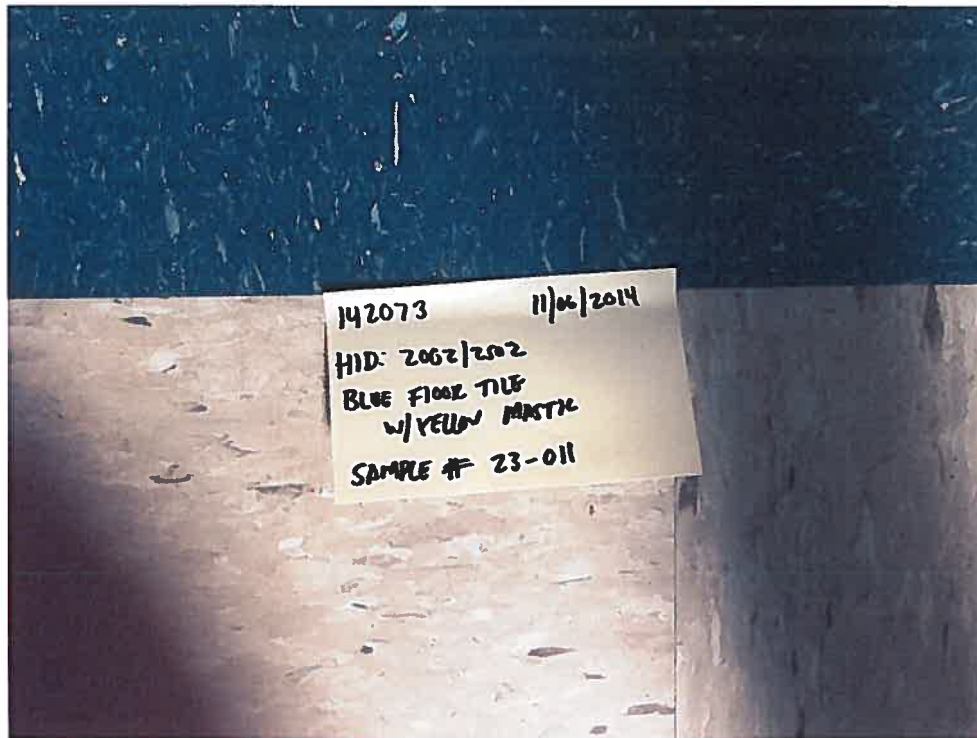


Figure 5: HID#2002/2502 – Blue Floor Tile with Yellow Mastic

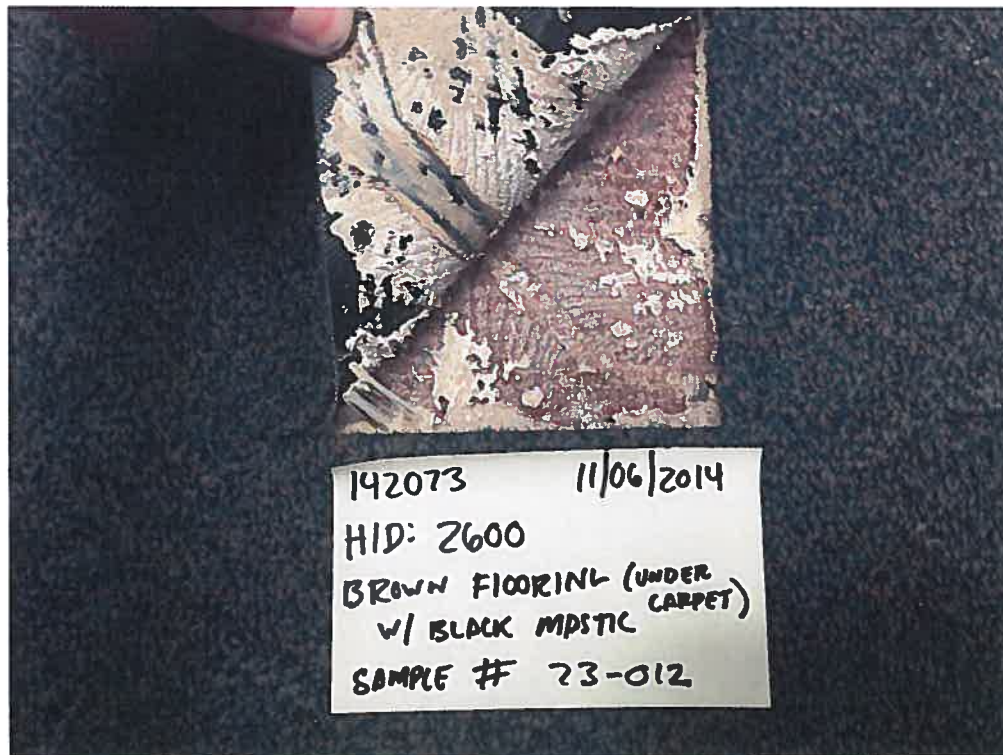


Figure 6: HID#2600 – Brown Flooring Material with Black Mastic

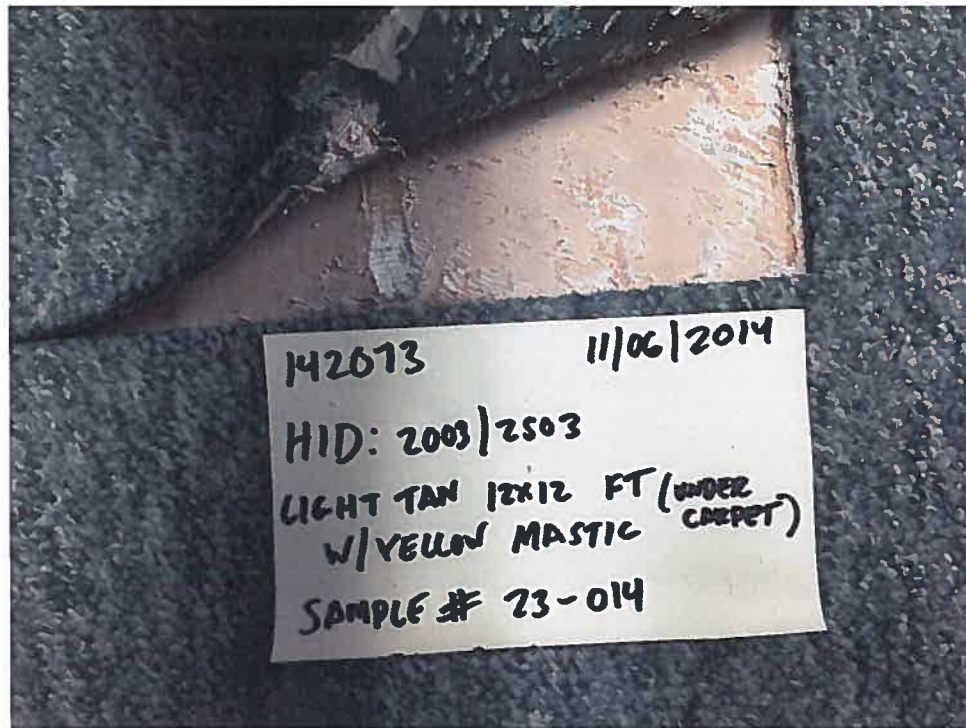


Figure 7: HID#2003/2502 – Light Tan 12"x12" Floor Tile with Yellow Mastic

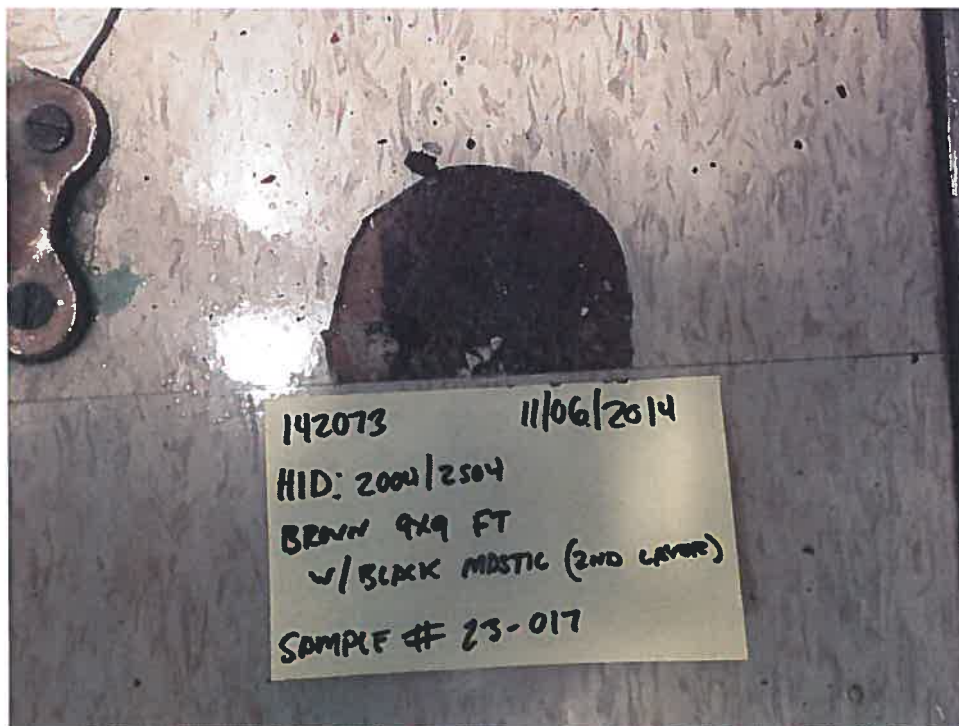


Figure 8: HID#2004/2504 – Brown 9"x9" Floor Tile with Black Mastic



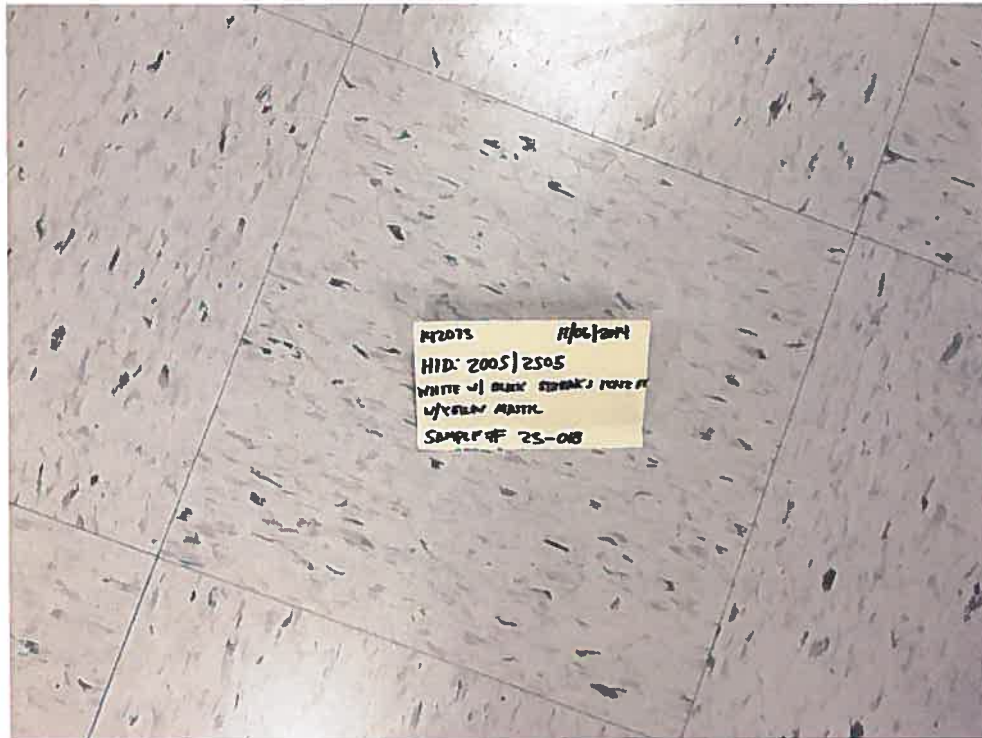


Figure 9: HID#2005/2505 – White with Black Streaks 12"x12" Floor Tile with Yellow Mastic

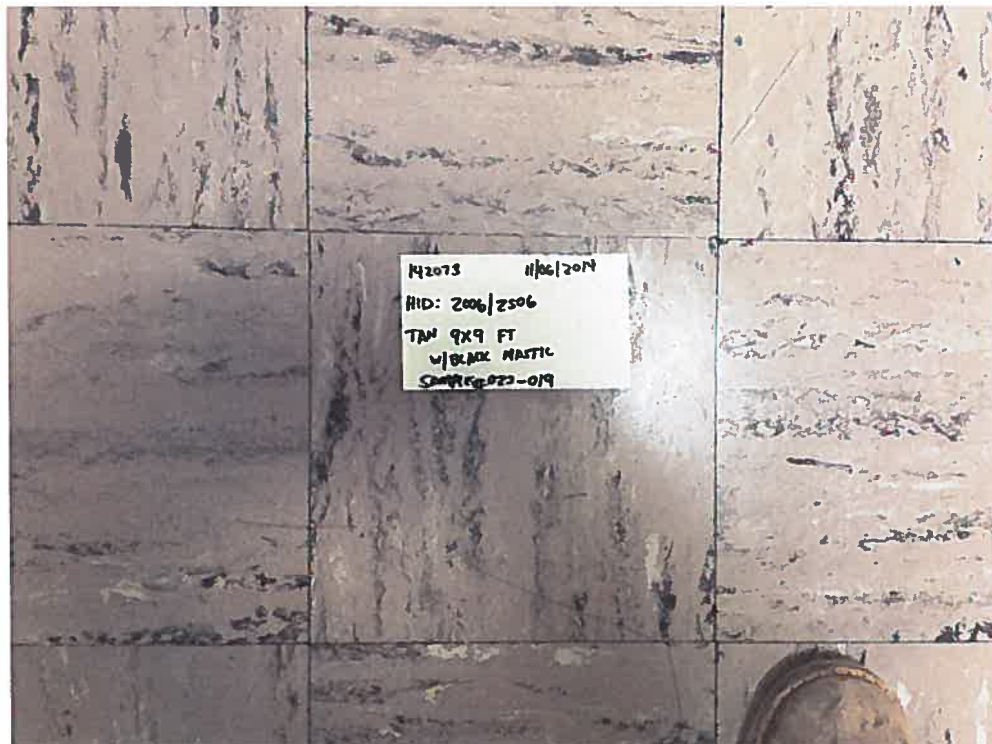
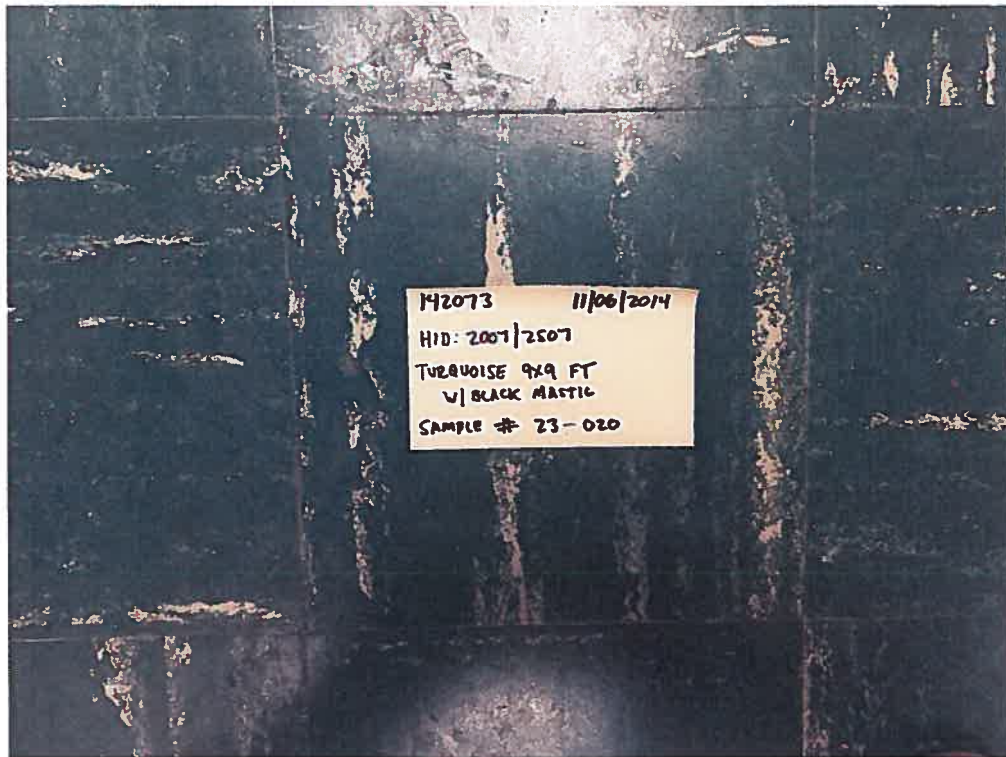
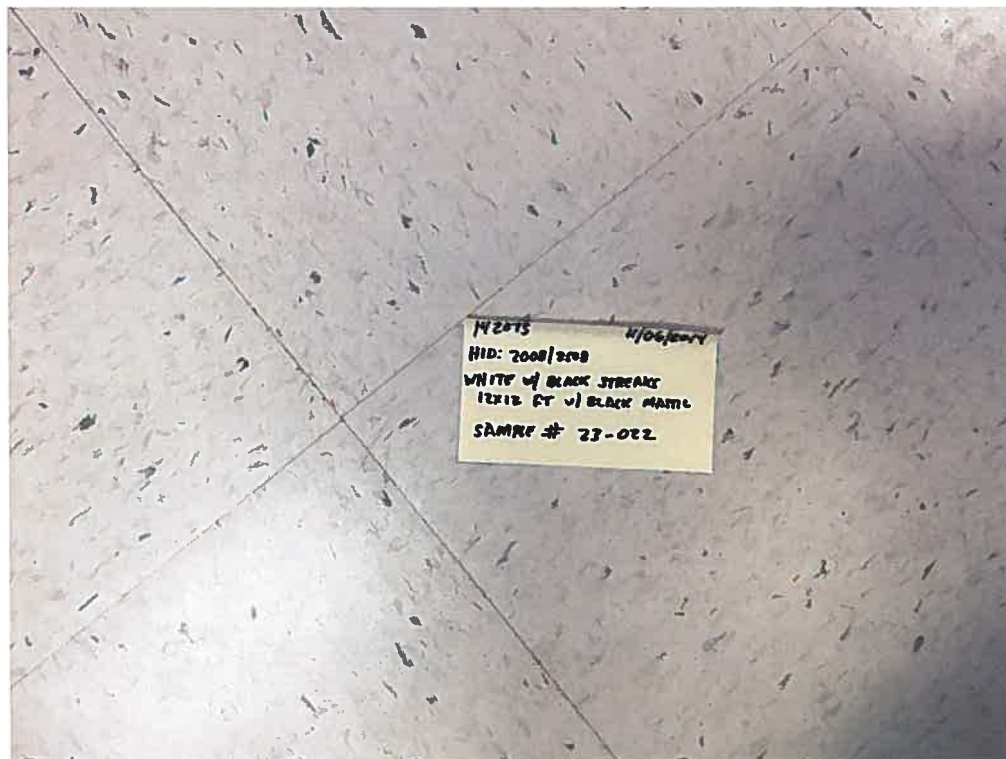


Figure 10: HID#2006/2506 – Tan 9"x9" Floor Tile with Black Mastic



**Figure 11: HID#2007/2507 – Turquoise 9"x9" Floor Tile with Black Mastic**



**Figure 12: HID#2008/2508 – White with Black Streaks 12"x12" Floor Tile with Black Mastic**



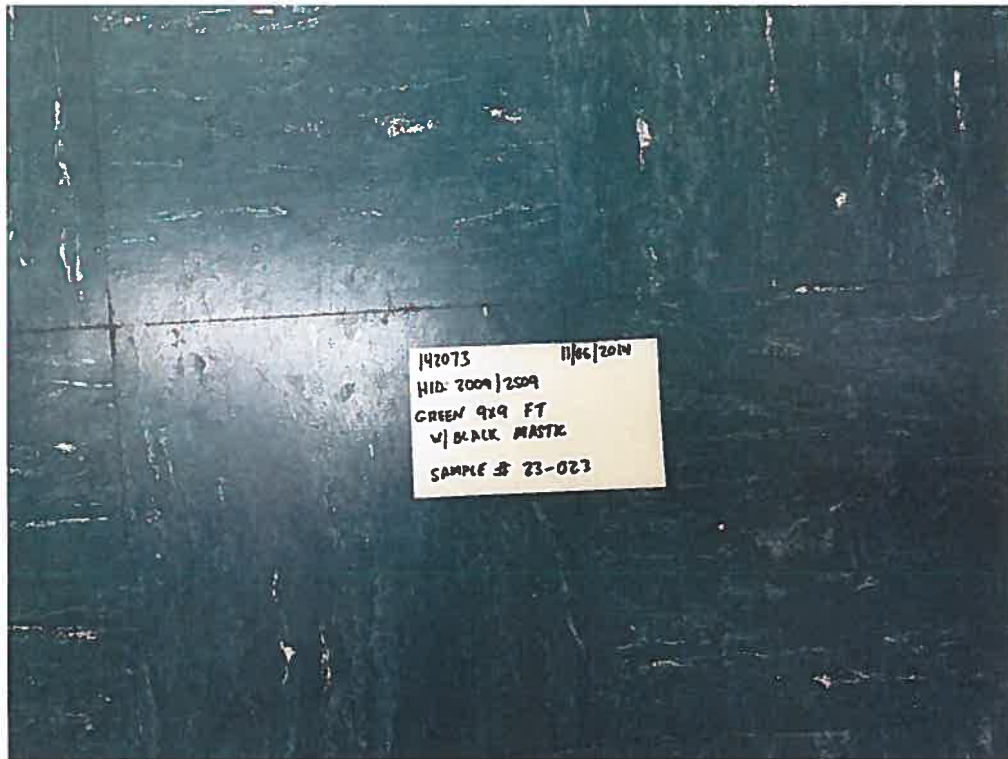


Figure 13: HID#2009/2509 – Green 9”x9” Floor Tile with Black Mastic

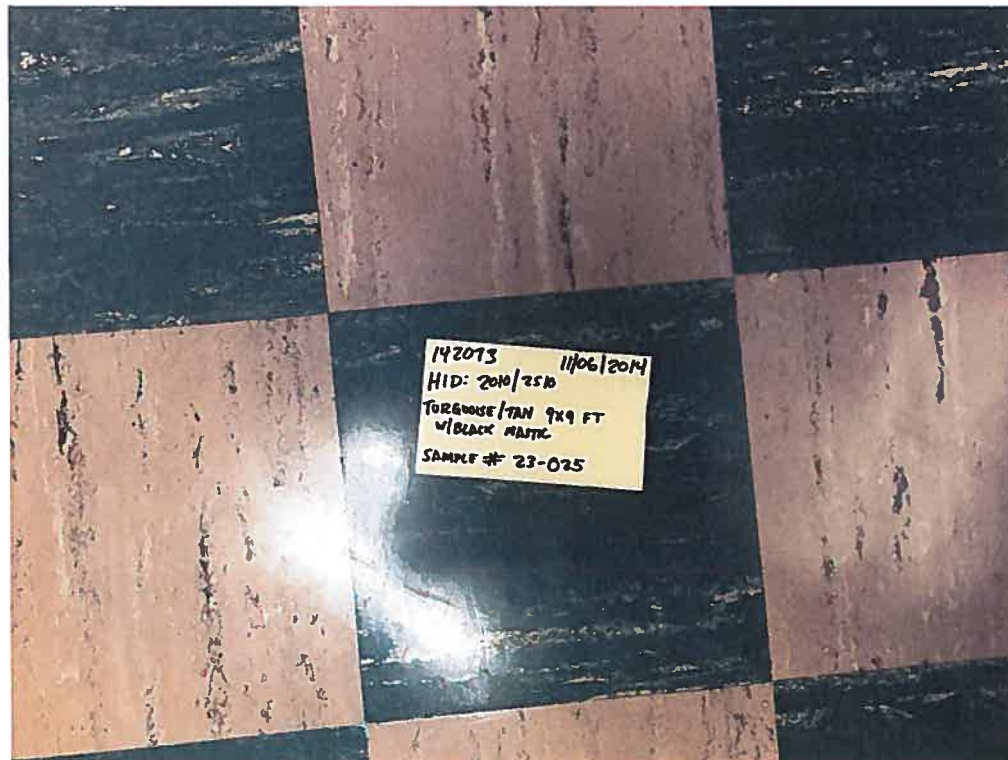


Figure 14: HID#2010/2510 – Turquoise/Tan 9”x9” Floor Tile with Black Mastic

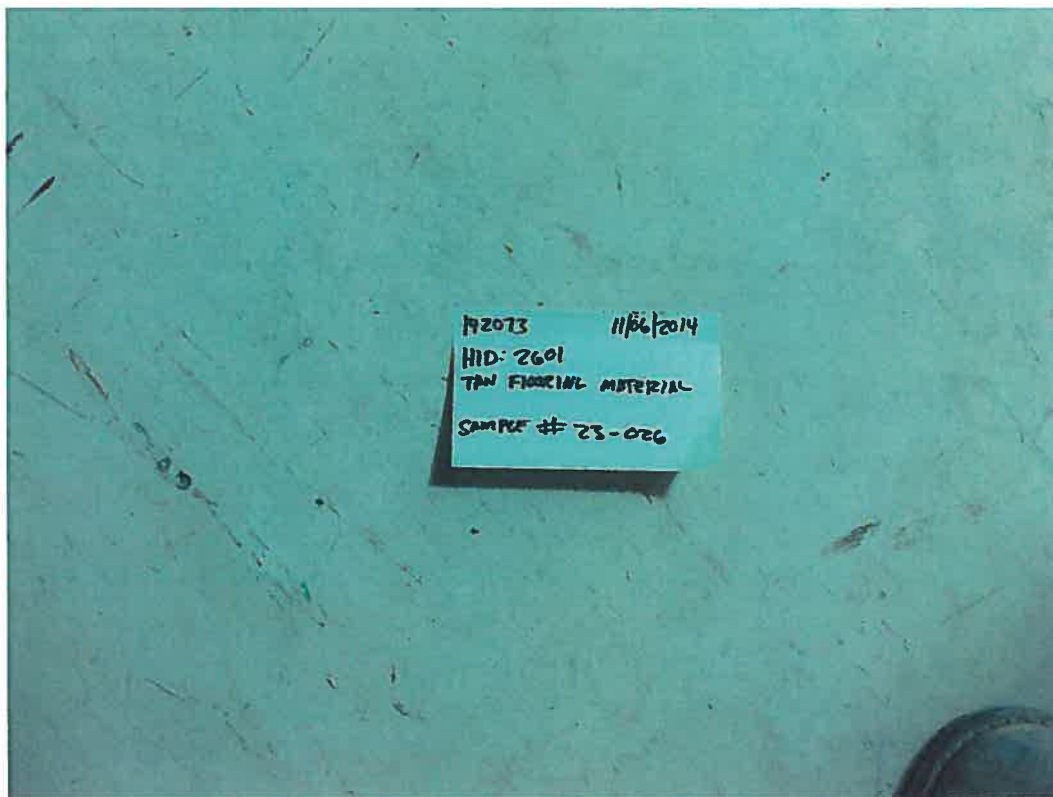


Figure 15: HID#2601 – Tan Flooring Material

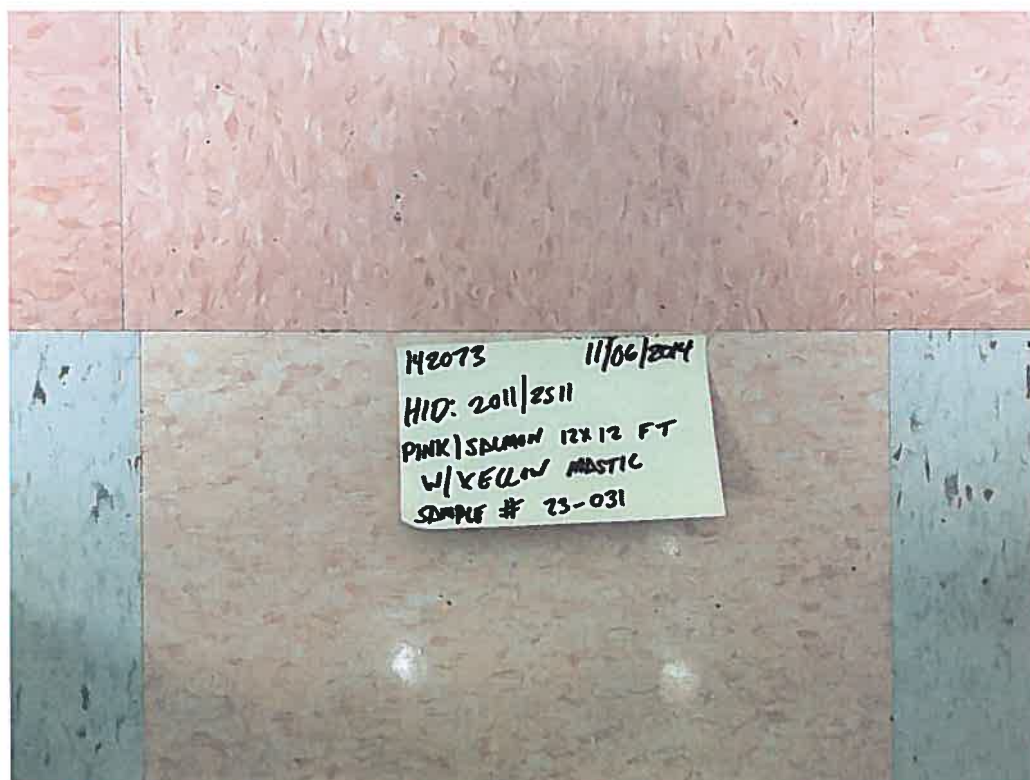


Figure 16: HID#2011/2511 – Pink/Salmon 12"x12" Floor Tile with Yellow Mastic

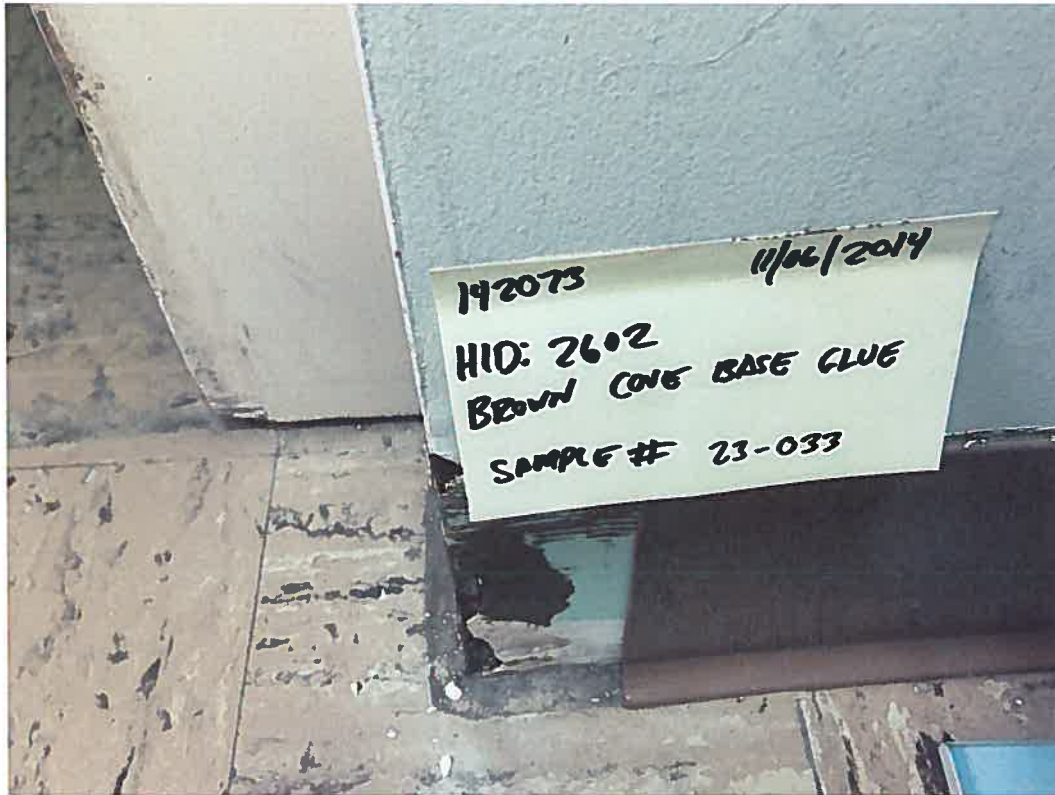


Figure 17: HID#2602 – Brown Cove Base Glue

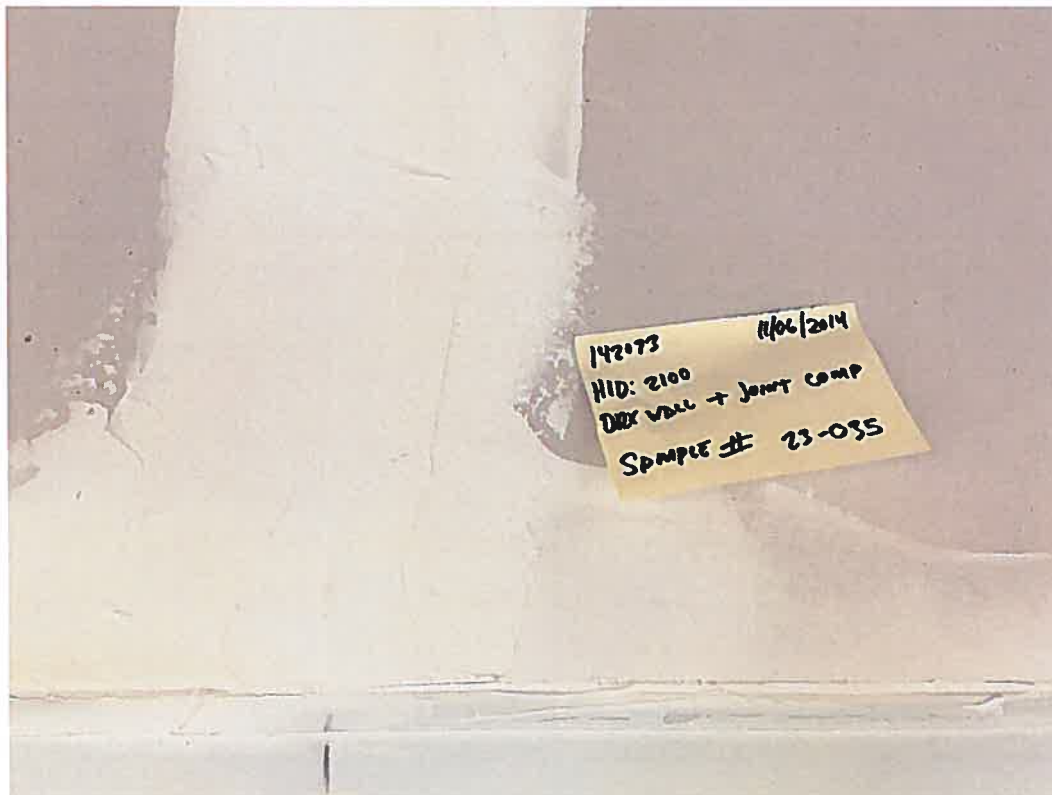


Figure 18: HID#2100 – Drywall Material with Joint Compound



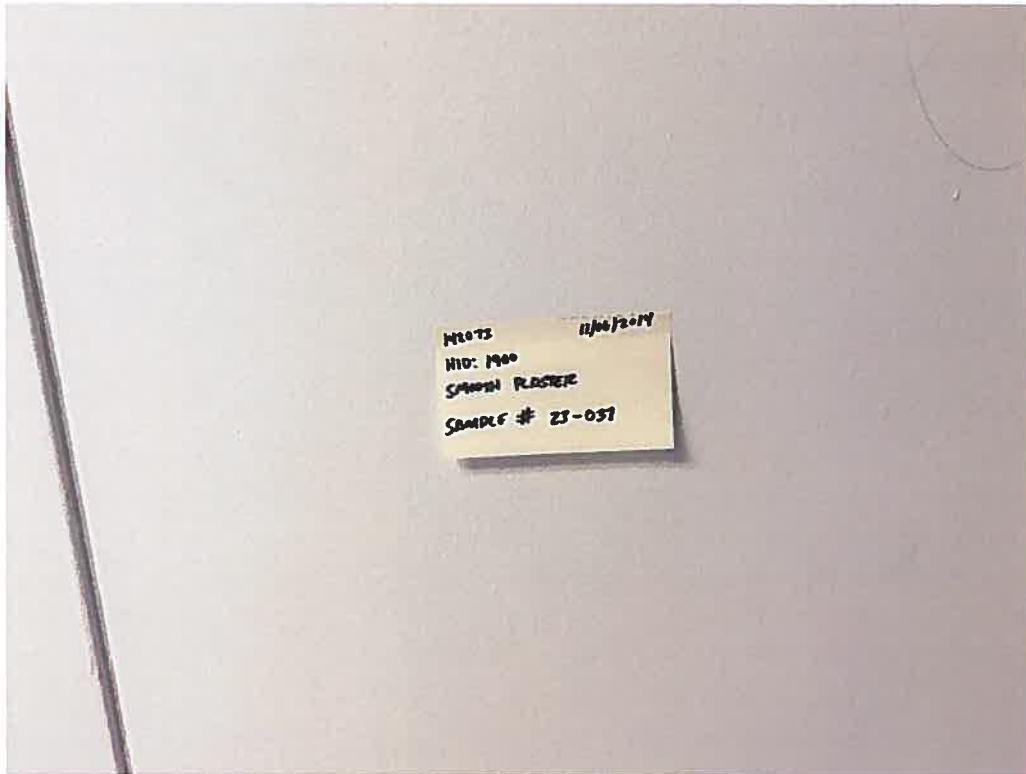


Figure 19: HID#1900 – Smooth Plaster

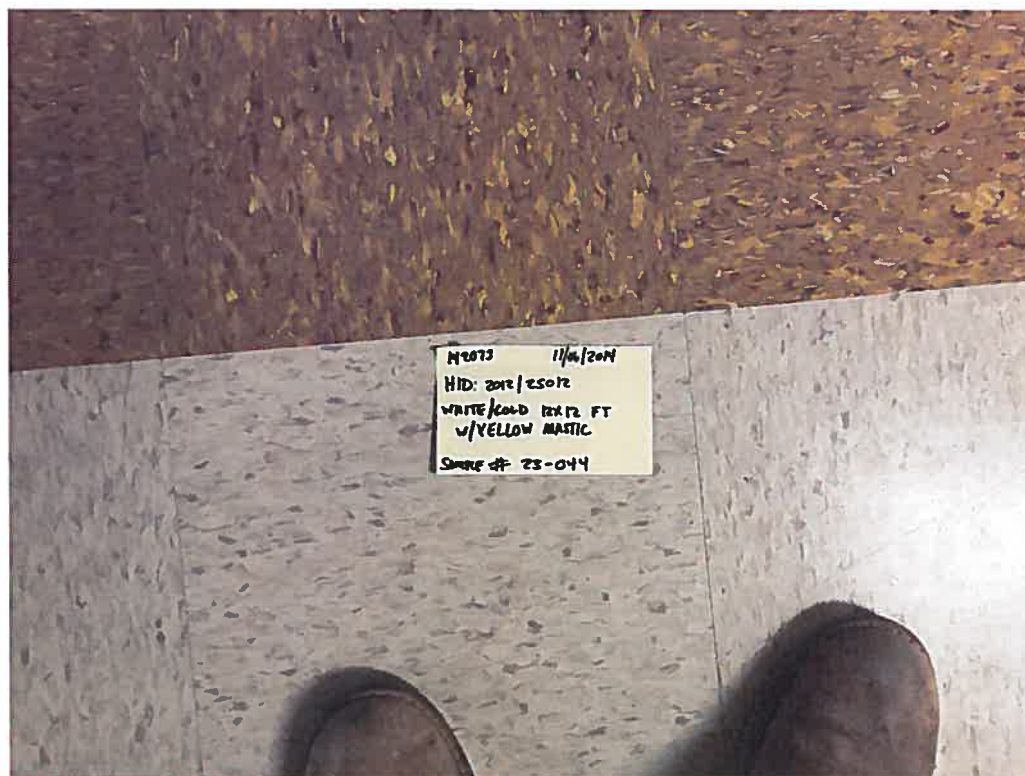


Figure 20: HID#2012/2512 – Whit/Gold 12"x12" Floor Tile with Yellow Mastic

## **8.0 CERTIFICATIONS**

PENNSYLVANIA ASBESTOS CERTIFICATION

050059



*CG*

Sex	Height	Eyes	Birth Date
M	6'00"	BLU	01/29/1988

Expires	Issue Date
09/09/2015	09/24/2014

Class  
INSPECTOR

CRAIG M GRATZ  
7950 HENRY AVENUE  
APT. 33B  
PHILADELPHIA PA 19128

1.0



0260 489 10

If found, please contact:

Department of Labor & Industry  
Certification, Accreditation & Licensing Division  
651 Boas Street, Room 1806  
Harrisburg, PA 17121.  
(717) 772-3396





PENNSYLVANIA ASBESTOS CERTIFICATION

050322



Sex Height Eyes Birth Date  
M 5'11" BRN 01/16/1987

Expires Issue Date  
01/07/2015 01/16/2014

Class  
INSPECTOR

RYAN HUNTER  
1433 S HICKS STREET  
PHILADELPHIA PA 19146

*R Hunter*

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

