



Criterion  
Laboratories Inc.

## Report

# *ASBESTOS- CONTAINING MATERIALS SURVEY*

**AT:**

**Lebanon VA Medical Center – Building 10  
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 19, 2015**

**Project Number: 142073**

**Date of Project: October 28, 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 10**.

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 October 28, 2014. The report was written by Mr. Steven A. Vena, Certified Industrial Hygienist of Criterion.

### **1.3 Discussion and Survey Results:**

A total of thirty (30) 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 six (6) materials:

- ❖ Block Pipe Insulation
- ❖ Large Diameter Block Pipe Insulation
- ❖ Breeching Insulation
- ❖ Duct Vibration Isolator Cloth
- ❖ Tank Insulation
- ❖ Transite Counter Top

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.

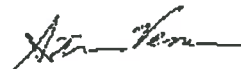
Section 3.0, Asbestos Inventory, lists specific locations and quantities of asbestos-containing materials.

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

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

Sample Date: 10/28/2014

Project #: 142073

Sample Received Date: 11/3/2014 8:53:00 AM

Collected By: Criterion Laboratories, Inc.

Analyzed By: Patel, Priyal

Analysis Date: 11/3/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-10-001 Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	70	Chrysotile	15	
142073-10-002 Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	70	Chrysotile	15	
142073-10-003 Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	70	Chrysotile	15	
142073-10-004 Compressed Paper Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-30	70	None Detected	--	
142073-10-005 Compressed Paper Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-30	70	None Detected	---	
142073-10-006 Compressed Paper Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-30	70	None Detected	---	
142073-10-007 Large Diameter Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	70	Chrysotile	15	
142073-10-008 Large Diameter Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	70	Chrysotile	15	



# 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: Patel, Priya  
 Sample Date: 10/28/2014  
 Sample Received Date: 11/3/2014 8:53:00 AM  
 Analysis Date: 11/3/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-10-009 Large Diameter Block Pipe Insulation Building 10 - 1st Floor - Main Boiler Room	1	Cellulose-15	70	Chrysotile	15	
142073-10-010 Breaching Insulation Building 10 - 1st Floor - Main Boiler Room	1	Cellulose-15	60	Amosite	25	
142073-10-011 Breaching Insulation Building 10 - 1st Floor - Main Boiler Room	1	Cellulose-15	60	Amosite	25	
142073-10-012 Breaching Insulation Building 10 - 1st Floor - Main Boiler Room	1	Cellulose-15	60	Amosite	25	
142073-10-013 Duct Vibratoin Isolator Cloth Building 10 - 1st Floor - Main Boiler Room	1	Cellulose-5	80	Chrysotile	15	
142073-10-014 Tank Insulation Building 10 - Small 3rd Floor Area	1	Fiberglass-10	85	Chrysotile	5	
142073-10-015 Tank Insulation Building 10 - Small 3rd Floor Area	1	Fiberglass-10	85	Chrysotile	5	
142073-10-016 Tank Insulation Building 10 - Small 3rd Floor Area	1	Fiberglass-10	85	Chrysotile	5	





# 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: Patel, Priyal  
 Sample Date: 10/28/2014  
 Sample Received Date: 11/3/2014 8:53:00 AM  
 Analysis Date: 11/3/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-10-017 Elbows A/W Fiberglass Pipe Insulation Building 10 - Small 3rd Floor Area	I	Fiberglass-15 Cellulose-15	70	None Detected	---	
142073-10-018 Interior Window Glaze Building 10 - Small 3rd Floor Area	I	Cellulose-5 Fiberglass-5	90	None Detected	---	
142073-10-019 Tank Insulation Covering Fiberglass Building 10- Small Basement Area	I	Fiberglass-25 Cellulose-25	50	None Detected	---	
142073-10-020 Tank Insulation Covering Fiberglass Building 10- Small Basement Area	I	Fiberglass-25 Cellulose-25	50	None Detected	---	
142073-10-021 Interior Window Glaze Building 10 - Main Boiler Room	I	Fiberglass-5 Cellulose-5	90	None Detected	---	
142073-10-022 Small Elbows A/W Fiberglass Pipe Insulation Building 10 - 1st Floor - Filter Room	I	Fiberglass-50 Cellulose-10	40	None Detected	---	
142073-10-023 Small Elbows A/W Fiberglass Pipe Insulation Building 10 - 1st Floor - Filter Room	I	Fiberglass-50 Cellulose-10	40	None Detected	---	
142073-10-024 Elbows A/W Fiberglass Pipe Insulation Building 10 - 1st Floor - Filter Room	I	Fiberglass-45 Cellulose-5	50	None Detected	---	



# Results of Polarized Light Microscopy

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

Collected By: Criterion Laboratories, Inc.  
Analyzed By: Patel, Prival

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

Sample Date: 10/28/2014  
Sample Received Date: 11/3/2014 8:53:00 AM  
Analysis Date: 11/3/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-10-025 Thick Interior Window Glaze Building 10 - 1st Floor - Filter Room	I	---	100	None Detected	---	
142073-10-026 Thick Interior Window Glaze Building 10 - 1st Floor - Filter Room	I	---	100	None Detected	---	
142073-10-027 Transite Counter Top Building 10 - 1st Floor - Main Boiler Room	I	Cellulose-15	80	Chrysotile	5	
142073-10-028 White 2'x4' Ceiling Tile Building 10 - 1st Floor - Office	I	Cellulose-60	40	None Detected	---	
142073-10-029 Floor Expansion Joint Material Building 10 - Chiller Plant Area	I	Cellulose-10	90	None Detected	---	
142073-10-030 Floor Expansion Joint Material Building 10 - Chiller Plant Area	I	Cellulose-10	90	None Detected	---	



## Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center  
Project #: 142073  
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Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA 17042-7529  
Sample Date: 10/28/2014  
Sample Received Date: 11/3/2014 8:53:00 AM  
Analyzed By: Patel, Priyal  
Analysis Date: 11/3/2014

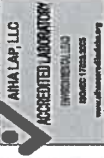
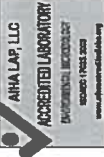
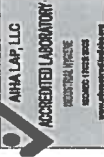
*g-c-w*

James A. Welts, 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 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
Turnaround Time	48 Hrs	Field	US Mail
72 Hrs	Other 3-5 day	Fedex	Other
FS Name-/Work Area: Building 10			
Inspector: C. Gratz / R. Hunter			
Project Manager: Steve Vera			
Sample Date: 10-28-14			
Comments: Total About 3 SF of damage on boiler stacks (breaching) around flanges near bottom of stacks (3 stacks)			

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (S)	%
10-001	0900	Block Pipe Insulation	1st Floor - Main boiler Rm	410 LF	Y	N	chrysotile	15
-002	0900			-	Y	N	chrysotile	15
-003	0900			-	Y	N	chrysotile	15
-004	1300	Compressed Paper Pipe Insulation		12 LF	Y	N	ND	
-005	1300			-	Y	N	ND	
-006	1300			-	Y	N	ND	
-007	0901	large diameter block PI		150 LF	Y	N	chrysotile	15
-008	0901			-	Y	N	chrysotile	15
-009	0901			-	Y	N	chrysotile	15
-010	0600	Breaching Insulation		1900 SF	Y	N	amosite	25
-011	0600			-	Y	N	amosite	25
-012	0600			-	Y	N	amosite	25
-013	1000	Duct vibration isolator cloth		30 SF	Y	N	chrysotile	15
-	-			-	-	-		

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	11-2-14	Steve Vera	11/3/14	Paul Papp	11/3/14





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 10	10-28-14
72 Hrs	Other 3-5 days	Fedex	Other	Inspector: C. Gratz / R. Hunter	Comments:
				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)	%
N5	0900	Block Pipe Insulation	Small 3rd Floor Area	40 LF	Y	N		
N5	0901	Large diameter Pipe Insulation		12 LF	Y	N		
-014	0400	Tank Insulation		32 SF	Y	N	chrysotile	5
-015	0800			-	Y	N	chrysotile	5
-016	0800			-	Y	N	chrysotile	5
-017	1500	Elbows A/w fiberglass PI		4 ea.	Y	D	ND	
-018	2000	Interior Window Glaze		40 LF	N	N	ND	
N5	2000		Small 2nd Floor Area	55 LF	N	N		
N5	0900	Block Pipe Insulation		22 LF	Y	N		
N5	1500	Elbows A/w G-l-fib PI		2 ea.	Y	N		
N5	2000	Interior Window Glaze	Small Basement Area	5 LF	N	N	ND	
-019	2001	Tank insulation Containing Fiberglass		295 SF	Y	N	ND	
-020	2001			-	Y	N	ND	
-021	2000	Interior Window Glaze	Main boiler Room	350 LF	N	N	ND	

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	11-02-14	[Signature]	11/3/14	[Signature]	11/3/14



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	Method of Submittal	Inspector: C. Gratz / R. Hunter	10-28-14
72 Hrs	Other 3-5 days	Fedex	Walk-in	Project Manager: Steve Vera	
			Other		Comments: Some pipes fiberglass or foam in all areas, only fiberglass/foam in Chiller Plant

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (S)	%
-022	1501	Small Elbows A/W fiberglass PI	1st Floor - Filter Room	6 ea	Y	N	ND	
-023	1501	↓		—	Y	N		
-024	1500	Elbows A/W fiberglass PI		3 ea	Y	N		
-025	2002	Thick interior window Glaze		25 LF	N	ND		
-026	2002	↓		—	N	ND		
NS	1000	Duct Vibration Isolator Cloth	1st Floor - Electrical Room	8 SF	Y	N		
NS	1500	Elbows A/W fiberglass PI	↓	10 ea	Y	N		
-027	2503	Transite Counter Top	1st Floor - Main boiler Room	20 SF	N	N	Chrysotile	S
-028	1700	White 2x4 CT	1st Floor - Office	100 SF	Y	N	ND	
NS	1500	Elbows A/W fiberglass PI	1st Floor - Restroom	12 ea	Y	N		
-029	2004	Floor Expansion joint Mat'l	Chiller Plant Area	50 LF	N	N	ND	
-030	2004	↓		—	N	N	ND	
NS	2002	Thick interior window Glaze		80 LF	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	11-2-14	[Signature]	11/3/14	[Signature]	11/3/14

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### **3.0 ASBESTOS INVENTORY**

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

Building #: 10		<u>Location</u>	<u>Material</u>	<u>Quantity</u>	<u>Friable</u>	<u>Condition</u>
1 <sup>st</sup> Floor						
	Main Boiler Room	Block Pipe Insulation	410 Linear Feet (LF)	Y	N	
	Main Boiler Room	Large Diameter Block Pipe Insulation	150 LF	Y	N	
	Main Boiler Room	Breeching Insulation	1,900 Square Feet (SF)	Y	N	
	Main Boiler Room	Duct Vibration Isolator Cloth	30 SF	Y	N	
	Main Boiler Room	Transite Counter Top	20 SF	N	N	
	Electrical Room	Duct Vibration Isolator Cloth	8 SF	Y	N	
3 <sup>rd</sup> Floor						
	Small 3 <sup>rd</sup> Floor Area	Block Pipe Insulation	40 LF	Y	N	
	Small 3 <sup>rd</sup> Floor Area	Large Diameter Block Pipe Insulation	12 LF	Y	N	
	Small 3 <sup>rd</sup> Floor Area	Tank Insulation	321 SF	Y	N	
2 <sup>nd</sup> Floor						
	Small 2 <sup>nd</sup> Floor Area	Block Pipe Insulation	22 LF	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:

- ❖ Compressed Paper Pipe Insulation
- ❖ Elbows Associated with Fiberglass Pipe Insulation
- ❖ Interior Window Glaze
- ❖ Tank Insulation Covering Fiberglass
- ❖ Small Elbows Associated with Fiberglass Pipe Insulation
- ❖ Thick Interior Window Glaze
- ❖ White 2'x4' Lay-In Ceiling Tile
- ❖ Floor Expansion Joint Material

## **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

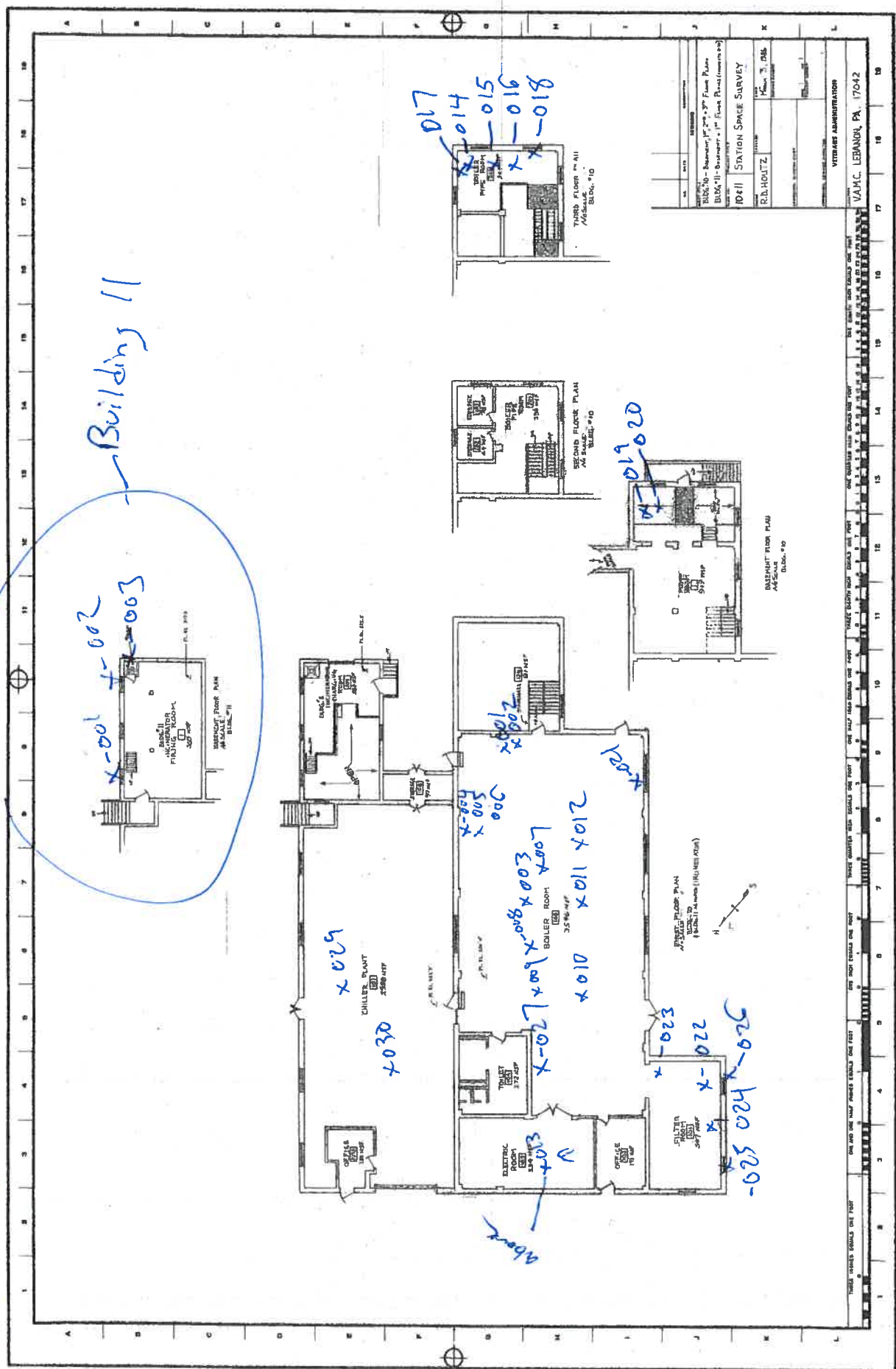
1700 to 1799 - Lay-In Ceiling Tiles  
1800 to 1899 - Spline Ceiling Tiles  
2000 to 2099 - Floor Tiles  
2100 to 2199 - Drywall  
2200 to 2299 - Linoleum  
2300 to 2399 - Transite  
2400 to 2499 - Expansion Joints  
2500 to 2599 - Mastic Floor Tiles  
2600 to 2699 - Other Miscellaneous  
2700 to 2799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

Bldg 10 + 11 10-28-14  
142072

Building 11



## **7.0 PHOTOGRAPHS OF SAMPLED MATERIALS**



## 7.0 Photographs of Sampled Materials

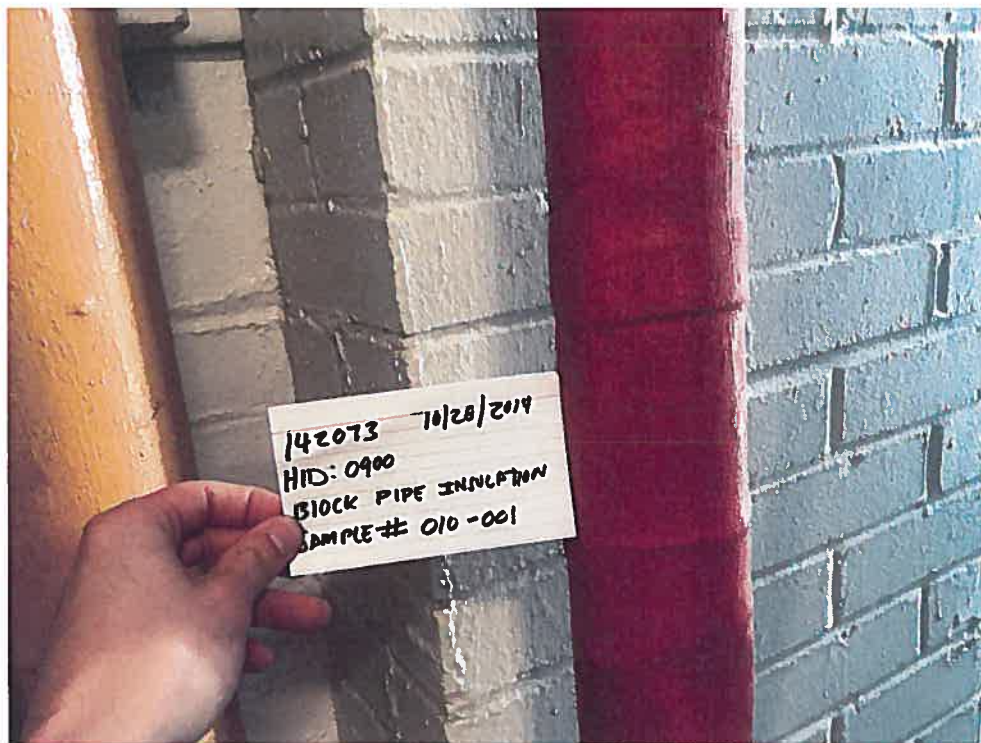


Figure 1: HID#0900 – Block Pipe Insulation

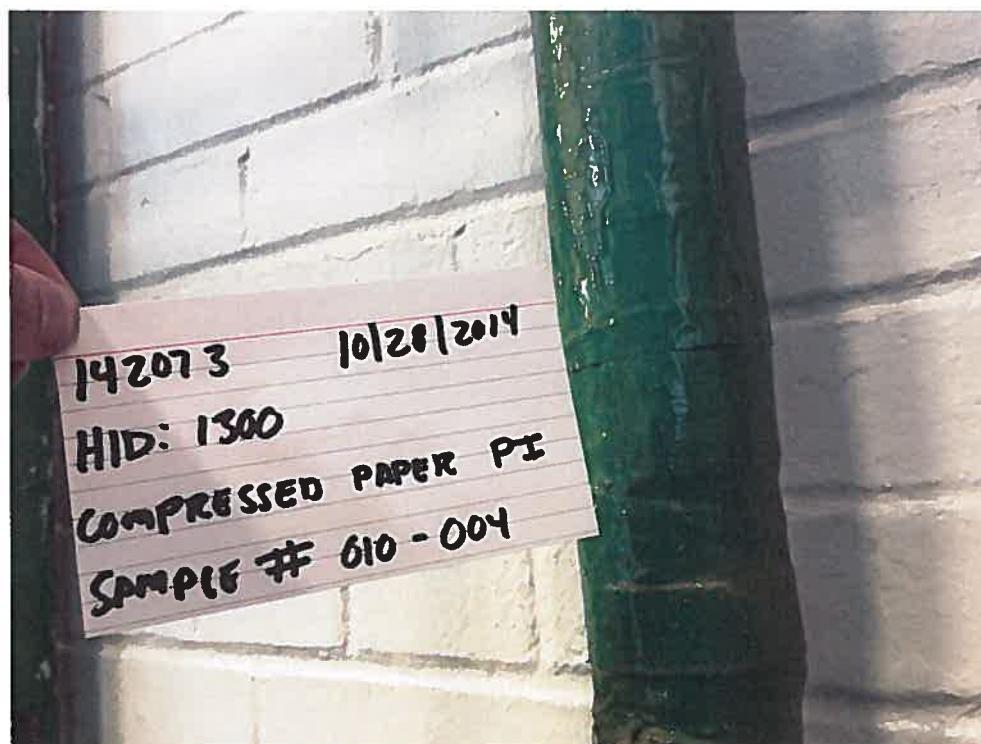


Figure 2: HID#1300 – Compressed Paper Pipe Insulation

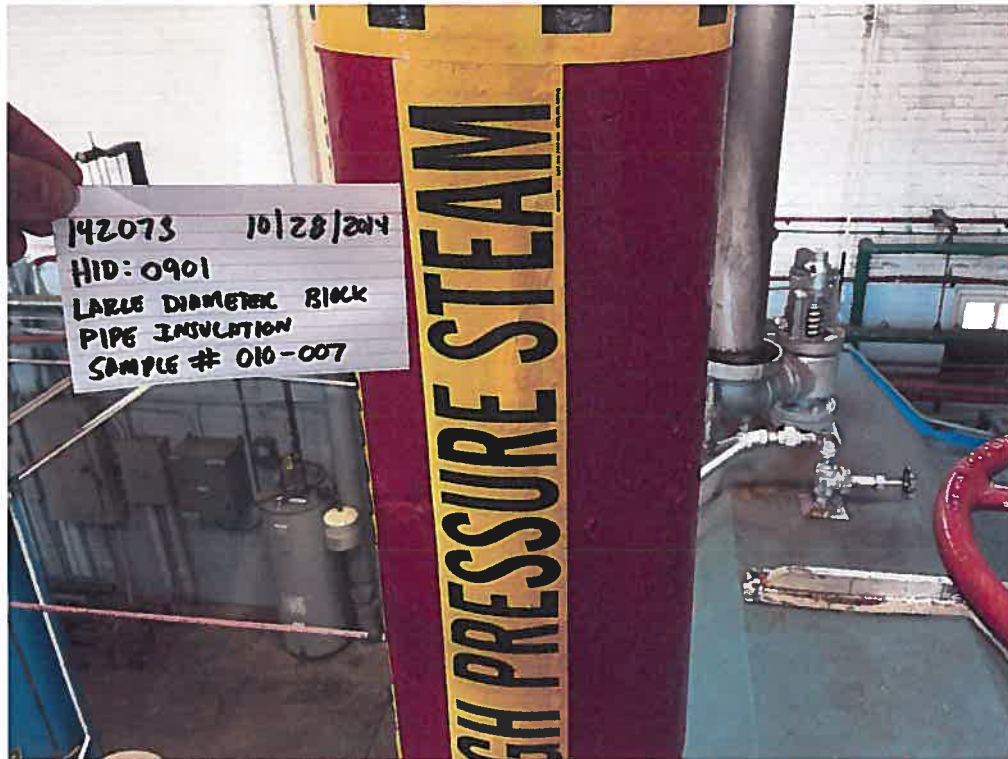


Figure 3: HID#0901 – Large Diameter Block Pipe Insulation



Figure 4: HID#0600 – Breeching Insulation





Figure 5: HID#1600 – Duct Vibration Isolator Cloth



Figure 6: HID#0800 – Tank Insulation

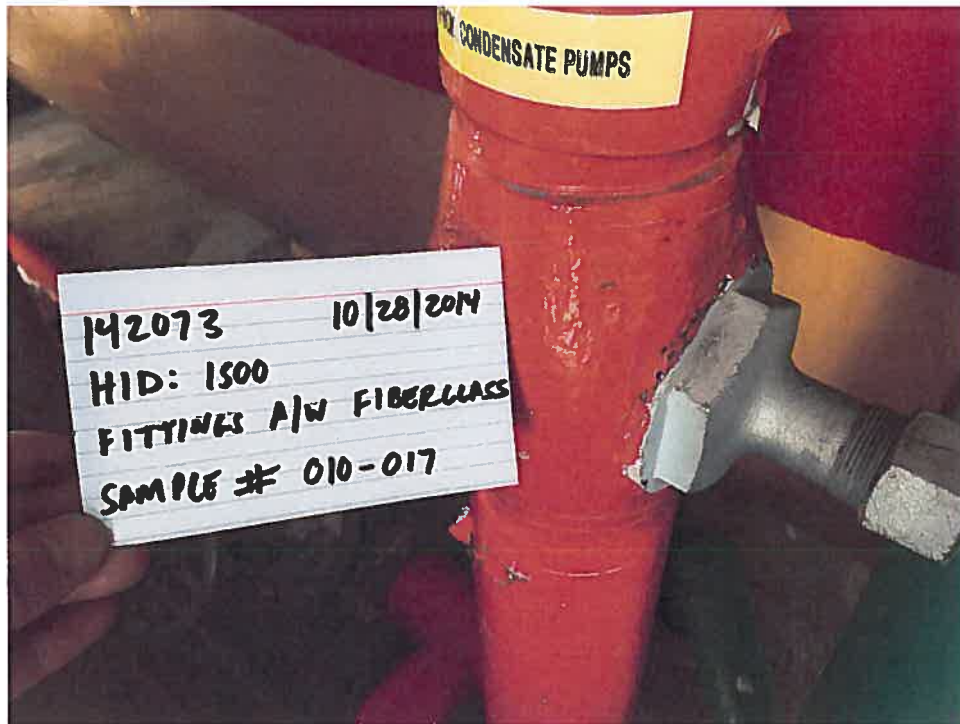


Figure 7: HID#1500 – Fittings Associated with Fiberglass Pipe Insulation



Figure 8: HID#2600 – Interior Window Glaze



Figure 9: HID#2601 – Tank Insulation Covering Fiberglass

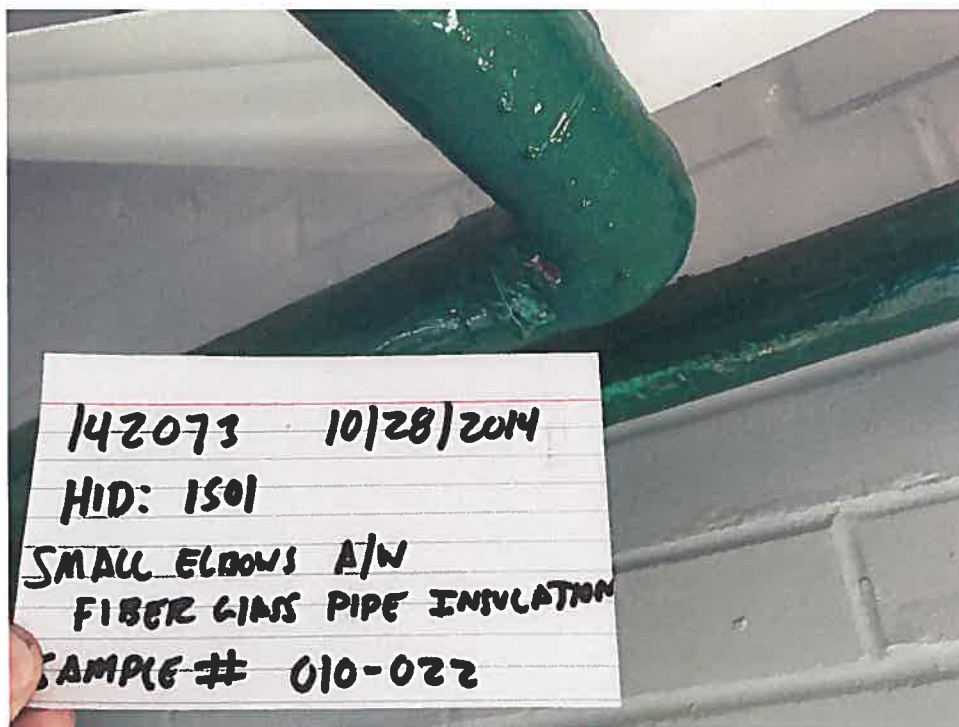


Figure 10: HID#1501 – Small Elbows Associated with Fiberglass Pipe Insulation





Figure 11: HID#2602 – Thick Interior Window Glazing



Figure 12: HID#2603 – Transite Counter Top

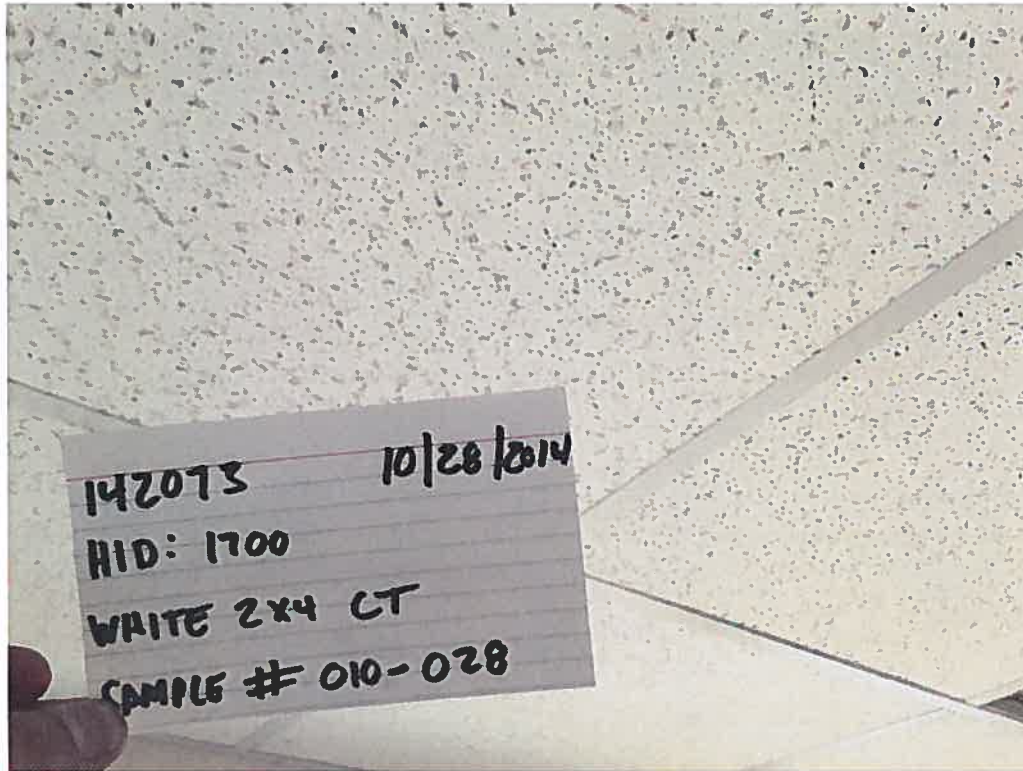


Figure 13: HID#1700 – 2'x4' Lay-In Ceiling Tile




Figure 14: HID#2604 – Floor Expansion Joint

## **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			

*CG*

1.0



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**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. 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.**  
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