



# ***ASBESTOS ABATEMENT PROJECT MONITORING***



***Field  
Services***

**At:**

**Masterman Middle/High School  
1699 Spring Garden Street  
ULCS# - 2140  
Philadelphia, PA 19130**



***Lab  
Services***

**For:**

**School District of Philadelphia  
Office of Environmental Management  
Services  
440 North Broad Street  
Suite 373  
Philadelphia, PA 19130**

**Prepared By:**

**Mr. Ian Forster  
Project Manager**

**Report Date:**

**December 19, 2019**



***Training  
Services***

**Project Number: 193021  
Control Number: 2020214003.1  
Work Order Number: 1836120**

**Date of Project: December 9, 2019**

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## **1.0 WORK ORDER/NOTIFICATION**

**PLEASE REFER TO ASBESTOS ABATEMENT AND  
DEMOLITION/RENOVATION NOTIFICATION FORM FOR  
CONTROL NO. & WORK ORDER NO.**

## 2.0 Executive Summary

Criterion's Project #: 193021  
ULCS #: 2140  
Control Number: 2020214003.1  
Work Order Number: 1836120  
School Name: Masterman Middle/High School  
Site Address: 1699 Spring Garden Street  
Project Dates: December 9, 2019  
Criterion's Project Monitor: Ms. Nicolette Raleigh  
Criterion's Project Manager: Mr. Ian Forster

The asbestos abatement project involved the encapsulation of 1 linear foot (LF) of pipe insulation and 1 LF of pipe fitting insulation in Classroom 012.

In accordance with standard operating procedures for the removal of friable asbestos-containing materials, the School District of Philadelphia's in-house abatement team isolated the asbestos removal work area, which included sealing all critical barriers and penetrations to outside the work area. The School District of Philadelphia was represented on the job site by Mr. James Williams.

The encapsulation of pipe fitting insulation and pipe insulation involved the isolation of the work area using the critical barriers on all penetrations, installing a flapped entrance door and then HEPA vacuuming and wet wiping all contaminated surfaces as stated in the City of Philadelphia ACR regulations.

Final clearance testing was conducted using Phase Contrast Microscopy (PCM), NIOSH Method 7400 to achieve an E.P.A.-ASHERA and City of Philadelphia-mandated clearance level of 0.01 fibers per cubic centimeter (f/cc) of air for re-occupancy.

The results of the PCM analysis indicated airborne asbestos fiber concentrations within the allowable levels.

## 3.0 Background

The asbestos-containing pipe insulation and pipe fitting insulation was encapsulated because it was damaged.

## 4.0 Introduction

The asbestos abatement project involved the encapsulation of 1 linear foot (LF) of pipe insulation and 1 LF of pipe fitting insulation in Classroom 012.

The abatement project was performed on December 9, 2019.

## **5.0 Findings and Data**



## Results of Phase Contrast Microscopy

Client	<u>School District of Philadelphia</u>	Site Address	<u>Masterman School, 1699 Spring Garden Street, Philadelphia, PA 19130</u>	Sample Date	<u>12/9/2019</u>
Project #	<u>193021</u>			Sample Received Date	<u>12/9/2019</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Raleigh, Nicolette</u>	Sample Analysis Date(s)	<u>12/9/2019</u>

Sample Number	Sample Type	Location	Start	Stop	Mins	Flow Rate (LPM)	Volume (L)	Fibers /Fields	Fiber Density f/mm <sup>2</sup>	Fiber /cc
193021-01-002-01-01	Post-Test	Basement Level - Classroom 12	16:38	18:45	127	9.93	1,261.11	3.5/100	<7.0	<0.002
193021-01-002-01-02	Field Blank	blank						0.0/100	<7.0	
193021-01-002-01-03	Field Blank	blank						0.0/100	<7.0	

Sample Count   3  

James A. Weltz, CIH, Technical Director

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. Blank results are 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. Samples are analyzed by Criterion Laboratories, Inc. using Phase Contrast Microscopy, Method CLI 11 (NIOSH Method 7400M).



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.

**THIS IS THE LAST PAGE OF THE REPORT**



# Chain of Custody

**Matrix** Air  
**Analyte** Asbestos  
**Analysis Type** PCM  
**Container** Cassette  
**Project** 193021  
**Client** School District of Philadelphia  
**Site Address** Masterman School, 1699 Spring Garden Street,  
Philadelphia, PA 19130  
**Turnaround** On-Site  
**Field Tech** Nicolette Raleigh  
**Sample Notes**  
**Chain of Custody Notes**

## Additional Analytes

Sample Number	Sample Type	Location	Received Condition	Date	Notes
193021-01-002-01-01	Post-Test	Basement Level - Classroom 12	Good	12/9/2019	
193021-01-002-01-02	Field Blank	blank	Good	12/9/2019	
193021-01-002-01-03	Field Blank	blank	Good	12/9/2019	

**Sample Count**   3  

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Ian Forster	12/9/2019	15:00	
Send Reports To	School District of Philadelphia	12/9/2019	15:00	
Samples Taken By	Nicolette Raleigh	12/9/2019	16:40	
Received By	Nicolette Raleigh	12/9/2019	18:40	
Analyzed By	Nicolette Raleigh	12/9/2019	18:50	
Transported By	Nicolette Raleigh	12/9/2019	19:00	
Relinquished By	Nicolette Raleigh	12/9/2019	23:30	





# FINAL VISUAL AND AIR CLEARANCE INSPECTION REPORT

**PROJECT #:** 193021

This letter is to certify that I performed a visual inspection of the asbestos abatement area(s) listed below and that:

- The area contains no visible dust or debris
- Air monitoring was performed in accordance with applicable regulations and/or the scope of work for this project
- The airborne asbestos level does not exceed the required and/or recommended re-occupancy standard

Phase Contrast Microscopy (PCM) **pre-test** samples were analyzed by:

Criterion Laboratories, Inc. - #100424 / 0000106 / Nicolette Raleigh / \_\_\_\_\_ / API19-000011  
 AIHA-Accredited Laboratory / City License # / NIOSH 582 – Certified Microscopist (if applicable) / AAR# (if applicable) / City License #

Phase Contrast Microscopy (PCM) **during** project samples were analyzed by:

Criterion Laboratories, Inc. - #100424 / 0000106 / Nicolette Raleigh / \_\_\_\_\_ / API19-000011  
 AIHA-Accredited Laboratory / City License # / NIOSH 582 – Certified Microscopist (if applicable) / AAR# (if applicable) / City License #

Phase Contrast Microscopy (PCM) **post-test** samples were analyzed by:

Criterion Laboratories, Inc. - #100424 / 0000106 / Nicolette Raleigh / \_\_\_\_\_ / API19-000011  
 AIHA-Accredited Laboratory / City License # / NIOSH 582 – Certified Microscopist (if applicable) / AAR# (if applicable) / City License #

Transmission Electron Microscopy (TEM) **post-test** samples were analyzed by (if applicable):

EMSL Analytical, Inc. - #101048-0  
 NVLAP/NIST-Accredited Laboratory

<i>Building Name</i>	<i>Address</i>		<i>Contact</i>		
Masterman School	1699 Spring Garden St. Philadelphia, PA 19130		Brian Joseph (215) 400-6586		
Description of Material	Location (room/floor/area)	Amount Of ACM	Visual Inspection Date	# of Clearance Samples Analyzed	Final Clearance Fiber Concentrations (F/CC)
Pipe Insulation	Classroom 12 (1836120) IH	1 LF	12/09/2019	1	<0.002 f/cc
Pipe Fitting	Classroom 12 (1836120) IH	1 LF	12/09/2019	See Above	

Signature of Air Monitoring Technician: *NJR*

Date: 12/09/2019

**NOTE: To be completed for all projects outside of the City of Philadelphia and for non-TEM projects for the City of Philadelphia**



**ASBESTOS ABATEMENT AND DEMOLITION/RENOVATION NOTIFICATION FORM**

<b>For Official Use Only</b>	<b>Date Received 1</b>	<b>Date Received 2</b>
Postmark Date: _____ Project ID#: _____ Permit #: _____ Other #: _____ Inspector: _____		WO# 1836120, 1794416, 1794414, 1828497, 1836126, 1794407 FAC/Principal Inspection Request

**REFER TO THE ATTACHED INSTRUCTIONS FOR INFORMATION AND REQUIREMENTS.**

1.	<b>TYPE OF NOTIFICATION (check one):</b> <input type="checkbox"/> Revision ( <b>highlight here, and changes</b> ) <input type="checkbox"/> Postponement Date of Initial Notification or, if previously revised, date of last revision: _____	<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Phase of Annual Notification <input type="checkbox"/> Cancellation <input type="checkbox"/> Annual Notification <input type="checkbox"/> Phase of Annual Notification <input type="checkbox"/> Cancellation
2.	<b>PROJECT LOCATION (check one):</b> <input type="checkbox"/> Allegheny County <input checked="" type="checkbox"/> City of Philadelphia <input type="checkbox"/> Other Location in PA ( <b>specify county</b> ): _____	
3.	<b>For Allegheny County and City of Philadelphia projects only:</b> A. Does this project require a permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If Yes is checked, a permit application must be submitted along with this notification and approved prior to the start of the project.) B. For City of Philadelphia projects requiring a permit: Asbestos project inspector: <u>Mike Panepresso</u> Certification #: <u>9010137</u> Company name: <u>Criterion Laboratories, Inc.</u> Address: <u>400 Street Road, Suite 100</u> City: <u>Bensalem</u> State: <u>PA</u> Zip: <u>19020</u> Phone: <u>215-244-1300</u>	
4.	<b>WILL ALTERNATIVE METHODS TO ANY OF THE APPLICABLE REGULATIONS BE USED?</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> (If Yes is checked, approval must be obtained prior to the start of the project. Please contact the appropriate DEP regional office or local government agency (see reverse of Instruction Sheet for contact list).	
5.	<b>TYPE OF OPERATION (check one):</b> <input type="checkbox"/> Demolition <input type="checkbox"/> Ordered Demolition <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Emergency Renovation <input type="checkbox"/> Abatement prior to Demolition	
6.	<b>FACILITY DESCRIPTION:</b> Job No.: <u>2020214003.1</u> ( <b>see instructions</b> ) Facility Name: <u>Julia R. Masterman Middle/High School</u> Street/Rural Address: <u>1699 Spring Garden Street</u> City: <u>Philadelphia</u> State: <u>PA</u> Zip Code: <u>19130-3990</u> Present use: _____      Prior use: _____ Will the facility be occupied during the abatement activity? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Facility size in square feet: <u>105000</u> # of floors: <u>7</u> Age in years: <u>86</u>	
7.	<b>ABATEMENT CONTRACTOR:</b> Company name: <u>School District of Philadelphia</u> Allegheny County or City of Philadelphia License # (if applicable): <u>30</u> Street/Rural/POB Address: <u>440 North Broad Street</u> City: <u>Philadelphia</u> State: <u>PA</u> Zip: <u>19130</u> Contact: <u>Brian Joseph</u> Telephone No. (between 8:00 & 4:30): <u>215 400-4750</u>	

8. DEMOLITION CONTRACTOR:  
 Company name: \_\_\_\_\_  
 Street/Rural/POB Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone No. (between 8:00 & 4:30): \_\_\_\_\_

9. FACILITY OWNER:  
 Owner name: School District of Philadelphia  
 Street/Rural/POB Address: 440 North Broad Street  
 City: Philadelphia State: PA Zip: 19130  
 Contact: Brian Joseph Telephone No. (between 8:00 & 4:30): 215 400-4750

10. FACILITY INSPECTION (required for renovation and demolition projects):  
 Building inspector: \_\_\_\_\_ Certification # \_\_\_\_\_  
 Date of inspection: \_\_\_\_\_ Is any material assumed to be asbestos?  Yes  No  
 Procedure, including analytical method, if appropriate, used to detect the presence of asbestos material:  
 \_\_\_\_\_

Building is ID and in danger of collapse. An asbestos investigator will be on site during demolition. (Philadelphia only)

11. IS ANY TYPE OF ASBESTOS PRESENT  Yes  No If Yes, please list in #12

12. TYPE OF ACM, DESCRIPTION & LOCATION OF MATERIAL, APPROXIMATE AMOUNT OF ACM, TYPE OF ABATEMENT AND FINAL AIR CLEARANCE METHOD.  
**PROVIDE INFORMATION IN THE SPACES BELOW, THEN CONTINUE ON ANOTHER SHEET, IF NECESSARY, USING THE SAME FORMAT.**

Code *	Description of material	Location of material (room/floor/area)	Amount of ACM	Code **	Code ***	Code ****
FRI	ACPI	Classroom 12 (1836120) IH	1	LF	CAP	PCM
FRI	ACPM	Classroom 12 (1836120) IH	1	LF	CAP	PCM
FRI	ACPI	Basement BE Office by windows (1794416)	1	LF	CAP	PCM
FRI	ACPI	Room 15 corner of room(1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 9 by window(1836126)	1	LF	REM	PCM
FRI	ACPI	Room 14B Stage Room along pipe line (1836126)	2	LF	CAP	PCM
FRI	ACPM	Room 14B Stage Room by windows (1836126)	1	LF	CAP	PCM
FRI	ACPI	Service Room Storage Closet by Elevator 2 (1836126)	2	LF	CAP	PCM

Code *	Code **	Code ***	Code ****
Type of ACM	Units	Type of abatement	Final Clearance
FRI - Friable ACM	LF - Linear ft.	REM - Removal	PCM - Phase contrast microscopy
NF1 - Cat I nonfriable ACM	SF - Square ft.	CAP - Encapsulation	TEM - Transmission electron microscopy
NF2 - Cat II nonfriable ACM	CF - Cubic ft.	CLO - Enclosure	
(Note: Allegheny County treats all ACM as friable)		NON - None	

13. Is this project regulated by NESHAP  Yes  No  
 A project that includes the demolition of any defined "facility" is regulated by NESHAP. A renovation project is also regulated by NESHAP when the amounts of friable ACM, or ACM that may be rendered friable, are as follows: 260 LF or 160 SF or 35 CF.

14. OPERATION SCHEDULE(S) (as applicable)

- A. Asbestos abatement: Start Date: 12/9/2019 Completion Date: 2/1/2019  
 Daily hours of operation: 300  am  pm to 1130  am  pm  
 Days of week (check)  Mo  Tu  We  Th  Fr  Sa  Su
- B. Demolition: Start Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_  
 Daily hours of operation: \_\_\_\_\_  am  pm to \_\_\_\_\_  am  pm  
 Days of week (check)  Mo  Tu  We  Th  Fr  Sa  Su
- C. Renovation: Start Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_  
 Daily hours of operation: \_\_\_\_\_  am  pm to \_\_\_\_\_  am  pm  
 Days of week (check)  Mo  Tu  We  Th  Fr  Sa  Su

COMMENTS:

Weekend & Holiday hours will be 7am-7:30pm.

15. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK:

Abatement is being performed in order to comply with AHERA regulations.

16. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO REMOVE ACM AND TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE:

Standards set forth in the ACR for non-friable removals, glove bag removals or containment of work area locations will be followed based on the items outlined in Box #12 of this notification.

17. WASTE TRANSPORTER(S)

- A. Transporter #1 name: Super Kwik  
 Street/Rural Address: 200 Park Drive  
 City: Voorhees State: NJ Zip: 08043-1130  
 Contact: Dave O'Brien Telephone: 609-428-4400
- B. Transporter #2 name: \_\_\_\_\_  
 Street/Rural Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

18. WASTE DISPOSAL SITE(S): (any asbestos containing material)

A. Landfill name: Dauphin Meadows DEP permit #: 101539  
 Street/Rural Address: Route 209-Road #1  
 City: Millsburn State: PA Zip: 17000  
 Contact: Randy Sylvester Telephone: 717-362-3056

B. Landfill name: \_\_\_\_\_ DEP permit #: \_\_\_\_\_  
 Street/Rural Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

19. AIR MONITORING FIRM(S)

A. Company name/individual: Criterion Laboratories, Inc.  
 Street/Rural Address: 400 Street Road, Suite 100  
 City: Bensalem State: PA Zip: 19020  
 Contact: Mike Panepresso Telephone: 215-244-1300

B. Final clearance firm: (if different than 19A) \_\_\_\_\_  
 Street/Rural Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

Final clearance firm was hired by (check one)  Contractor  Owner  
 Other Explain \_\_\_\_\_

20. AIR SAMPLE FIRM(S) (City of Philadelphia projects only)

A. PCM company name/individual: Criterion Laboratories, Inc. Certification #: 106  
 Street/Rural Address: 400 Street Road, Suite 100  
 City: Bensalem State: PA Zip: 19020  
 Contact: Mike Panepresso Telephone: 215-244-1300

B. TEM company name: \_\_\_\_\_ Certification #: \_\_\_\_\_  
 Street/Rural Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: \_\_\_\_\_

21. FOR EMERGENCY RENOVATIONS:

Date of emergency (mm/dd/yy): \_\_\_\_\_ Hour of emergency: \_\_\_\_\_  am  pm

Description of the sudden, unexpected event:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable financial burden as a consequence of complying with the 10 working day notification requirement:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

22. FOR ORDERED DEMOLITIONS (attach copy of order):

Government agency that ordered: \_\_\_\_\_  
Name of individual who ordered: \_\_\_\_\_ Title: \_\_\_\_\_  
Date of order (mm/dd/yy): \_\_\_\_\_ Date ordered to begin (mm/dd/yy): \_\_\_\_\_

23. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

24. PENNSYLVANIA CERTIFICATIONS/LICENSES:

Project designer: Andrew McMahon Certification #: 023686  
Contractor (Individual): School District of Philadelphia Certification #: 30  
Supervisor: Bartivic, John Certification #: 3058  
Contractor (Firm) \_\_\_\_\_ Certification #: \_\_\_\_\_

**\*\*\*\*\* SIGN BOTH STATEMENTS \*\*\*\*\***

25. I HEREBY CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF 40 CFR PART 61 SUBPART M (if applicable) WILL BE ON-SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING ALL WORKING HOURS, AND I CERTIFY THAT ALL WORK WILL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL AGENCY RULES AND REGULATIONS.

\_\_\_\_\_  
(Original Signature of Owner/Operator) 12/9/2019 (Date)

Printed Name of Owner/Operator: Brian Joseph Title: Environmental Director

26. I HEREBY CERTIFY THAT THE FOREGOING STATEMENTS AND THE INFORMATION CONTAINED IN THIS NOTIFICATION FORM ARE TRUE. THIS CERTIFICATION IS MADE SUBJECT TO THE PENALTIES SET FORTH IN 18 PA C.S. §4904 RELATING TO UNSWORN FALSIFICATION TO AUTHORITIES.

\_\_\_\_\_  
(Original Signature of Owner/Operator) 12/9/2019 (Date)

Printed Name of Owner/Operator: Brian Joseph Title: Environmental Director

**FOR OFFICIAL USE ONLY**

## 12. TYPE OF ACM, DESCRIPTION &amp; LOCATION OF MATERIAL, APPROXIMATE AMOUNT OF ACM, TYPE OF ABATEMENT AND FINAL AIR CLEARANCE METHOD.

CONTINUATION PAGE.

Code *	Description of material	Location of material (room/floor/area)	Amount of ACM	Code **	Code ***	Code ****
FRI	ACPI	Room 10 along lines by entrance (distributed) (1836126)	10	LF	CAP	PCM
FRI	ACPI	Stage Exit next to Stairwell (1836126)	1	LF	CAP	PCM
FRI	ACPI	Pump Room (1794414)	4	LF	REM	PCM
FRI	ACPI	Room 101 (1828497)	1	LF	CAP	PCM
FRI	ACPI	Room 104 (1828497)	1	LF	CAP	PCM
FRI	ACPI	Room 202 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 205 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 207 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 209 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 211 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 203 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 201 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 301 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 303 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 305 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 307 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 309 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 311 (1794407)	1	LF	CAP	PCM
FRI	ACPI	Room 313 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 304 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 302 (1836126)	1	LF	CAP	PCM
FRI	Plaster Wall	1st Floor Nurse's Office (1836126)	<1	SF	CAP	PCM
FRI	1'x1' Acoustical Ceiling Tile	4th Floor Teacher's Lounge (1836126)	5	SF	REM	PCM
FRI	ACPI	Room 402 (1836126)	1	LF	CAP	PCM
FRI	ACPI	Room 410 by window 5 (1836126)	<1	LF	CAP	PCM
FRI	ACPI	Room 406 by window 3 (1836126)	<1	LF	CAP	PCM

12. TYPE OF ACM, DESCRIPTION & LOCATION OF MATERIAL, APPROXIMATE AMOUNT OF ACM, TYPE OF ABATEMENT AND FINAL AIR CLEARANCE METHOD.

CONTINUATION PAGE.

FRI	ACPI	Cafeteria (1836126)	1	LF	CAP	PCM
FRI	ACPI	Basement LOGO Room (1828497)	1	LF	CAP	PCM
FRI	ACPI	Basement Data Room (1836126)	<1	LF	CAP	PCM
FRI	ACPI	Bridge Hall outside 417 (1836126)	1	LF	REM	PCM





# Daily Log

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**Date** 12/9/2019  
**Project** 193021  
**Client** School District of Philadelphia  
**Site Address** Masterman School, 1699 Spring Garden Street,  
Philadelphia, PA 19130

## Notes

<u>Time</u>	<u>Summary</u>
15:00	I arrive on site and meet with James from the A-Team. We are waiting for the kids to leave the school before entering and starting removal.
16:30	We find the classroom and the pipe that needs to be repaired. James will rewrap the pipe, and then encapsulate it with CP-10. I start pump.
18:30	Pipe is now fixed and is no longer and imminent hazard. No dust or visible debris in the work area. Area has been thoroughly HEPA-vacuumed and is cleaner now then it was when we arrived. Waiting for post-tests while James cleans up his tools/work area.
19:00	Post test -01 is good; below EPA clean air standard of <0.01 f/cc. We depart site and head to Kensington High School.

**Field Technician Signature** Nicolette Raleigh



# Daily Worker Attendance Log

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**Date** 12/9/2019  
**Project** 193021  
**Client** School District of Philadelphia  
**Site Address** Masterman School, 1699 Spring Garden Street,  
Philadelphia, PA 19130

**Notes**

<u>Employee</u>	<u>Type</u>	<u>License #</u>	<u>Expiration Date</u>
JAMES WILLIAMS	Supervisor	003064	2/12/2020

## **6.0 Discussion**

Criterion Laboratories, Inc. (Criterion) monitored the asbestos abatement project; Ms. Nicolette Raleigh was the Environmental Field Technician on site. The technician collected one (1) post-test abatement air sample, which was analyzed via Phase Contrast Microscopy (PCM). The results of these air samples can be found in Section 5.0 of this report.

## **7.0 Conclusion**

Criterion's Project Monitor performed a final visual inspection of the abatement areas prior to the collection of the post-abatement air samples.

Final clearance testing was conducted using Phase Contrast Microscopy (PCM), NIOSH Method 7400 to achieve an E.P.A.-AHERA and City of Philadelphia-mandated clearance level of less than 0.01 fibers per cubic centimeter (f/cc) of air for re-occupancy.

The PCM clearance sample results were within the E.P.A.-AHERA and City of Philadelphia-mandated clearance level of less than 0.01 f/cc. The area has been opened for re-occupancy.

## **8.0 Outline of Area of Concern**

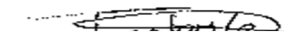
**NO FLOOR PLAN AVAILABLE**

## **9.0 Recommendations**

No recommendations are needed at this time.

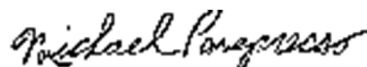
## 10.0 Signature Page

Criterion appreciates the opportunity to provide you with an asbestos abatement project monitoring report. Should you have any questions, please do not hesitate to call me at (215) 244-1300, extension 33.



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