SCHOOL DISTRICT OF PHILADELPHIA



Asbestos Hazard Emergency Response Act "AHERA"

THREE-YEAR RE-INSPECTION 2015-2016

and

ASBESTOS MANAGEMENT PLAN

for the

Solomon Solis-Cohen Little School House

ULCS# 8341 Building # B834002-1 7001 Horrocks Street Philadelphia, Pennsylvania 19149

Year Built: 2009

April 2016

Conducted By: Accredited Environmental Technologies, Incorporated Batta Environmental Associates, Incorporated Criterion Laboratories, Incorporated Environmental Testing Consultants, LLC G & C Environmental Services, Incorporated KEM Partners, Incorporated Synertech, Inc. TTI Environmental, Inc. USA Environmental Management, Inc. The Vertex Companies, Inc.

> Management Plan Prepared By: Criterion Labs, Inc and Synertech Inc.

This report must remain in the Main Office as mandated by the US EPA AHERA Regulations.

AHERA THREE-YEAR REINSPECTION VOLUME IX

Table of Contents

Transmittal Letter

Executive Summary

- I. Summary list of Confirmed Asbestos Containing Building Materials
- II. Summary list of Assumed Asbestos Contain Building Materials
- III. Summary list of Non-Asbestos Containing Building Materials
- IV. Summary list of Non Suspect Asbestos Containing Building Materials
- V. Summary List of Auditorium DATA for this location
- VI. Summary list of Attic and/or Crawlspace DATA for this location
- VII. Summary list of Pipe Chase/Pipe Shaft DATA for this location

Section I Report of Re-Inspection

- A. Introduction
- B. Three-Year Re-inspection IX Overview
- C. Post- Management Plan Activities and Changes
 - C.1 Sampling and Analysis
 - C.2 New Floor Tile Sampling
 - C.3 Abatement Activity
 - C.4 Periodic (Six-Month) Surveillance (Damaged Materials)

Section II Re-Inspection Data

- A. Introduction
- B. Re-Inspection Key Definitions
- C. Room by Room Location Log Report

Section III Certificates

A. Management Planner/Building Inspector Certificates

Section IV	Cross Reference Table	Page 1-8
	Asbestos Management Program	Page 9-19

SCHOOL DISTRICT OF PHILADELPHIA EDUCATIONAL CENTER 440 NORTH BROAD STREET PHILADELPHIA, PENNSYLVANIA 19130

OFFICE OF ENVIRONMENT AL MANAGEMENT AND SERVICES

PHONE (215)-400-4750

January 2016

TO: All Principals All Building Administrators

FROM: Fran Burns Chief Operating Officer

> Francine Locke, M.S., Director Office of Environmental Management and Services

SUBJECT: AHERA Three (3) Year Re-inspection IX report

In order to comply with the provisions of the Asbestos Hazard Emergency Response Act (AHERA) the attached report is submitted to you. The law requires that this report be kept in the Main/Principal's office. It cannot be removed from these locations. *If the school (program) is relocated to a different building, these environmental documents are to be safely retained for the next school/building occupants.* All asbestos reports must be available to the public and Federal EPA upon request.

Fran Burns Chief Operation Officer

Francine Locke, M.S., Director Office of Environmental Management and Services

AHERA-2d Revised 12/14/15

Executive Summary

This Asbestos Hazard Emergency Response Act (AHERA) Three-Year Re-inspection <u>"Volume # IX"</u> Management Plan at this location, has been completed and the report of re-inspection submitted to the School District of Philadelphia. The re-inspections in all School District of Philadelphia buildings of 2015-2016 were conducted and completed between October 5th, 2015 through March 30th, 2016 as a joint project by Accredited Environmental Technologies, Inc., Batta Environmental Associates, Inc., Criterion Laboratories, Inc., Environmental Testing Consultants, LLC, G & C Environmental Services, Inc., KEM Partners, Inc., Synertech, Inc., TTI Environmental, Inc., USA Environmental Management, Inc. and The Vertex Companies, Inc.

In general, the School District of Philadelphia Office of Environmental Management and Services conducts Environmental Impact Evaluations and provides Asbestos Inspection Reports prior to any renovation, demolition and/or maintenance activities. The AHERA report must be reviewed prior to any renovation, demolition and/or maintenance activities in order to avoid the unknowing disturbance to Asbestos Containing Building Materials identified within this location. In addition, prior to work activities above all drop ceilings this report should be reviewed to avoid potential disturbances to Asbestos Containing Materials. Refer to Section IV of the Cross Reference Table, for additional Asbestos Management Program information. Contact the Office of Environmental Management and Services to have an Environmental Impact Evaluation conducted prior to any renovation, demolition and/or maintenance activities within this facility.

The information contained in this report was obtained from the original Asbestos Management Plan for the school, from update reports on changes and activities since the completion of the 1st Management Plan for each location and from all prior inspections performed and documented in Volume # I through Volume VIII (dated respectively 1992, 1995, 1998, 2001, 2004, 2007, 2010 or 2013) (if applicable)- and by this Three-Year Re-inspection of this school. The re-inspection report/Management Plan of 2015-2016 were reviewed and prepared collectively by Management Planner Megan Vala, Mary Anne Lerro of Criterion Laboratories, Inc. and/or Monique Causley, of Synertech Inc.

The 2015-2016 inspection process included the addition of a comprehensive Room by Room Inventory of all Thermal (T), Surfacing (S) and Miscellaneous (M) Materials specific to each room of this facility. Inspections of each room's thermal, ceilings, walls, floors and miscellaneous items regardless of Asbestos Content are categorized on the Room by Room Location Log Report for this location. Rooms or areas of the facility that were not accessible at the time of the inspection are marked with an "X". The Room by Room Location Log Report is found in Section II C of this Management Plan.

All Presumed or Suspect Asbestos Containing Building Materials (ACBMs), listed in the following summary charts are categorized as Confirmed, Assumed, Non-Asbestos, and/or Non-Suspect (ACBMs) were identified in the original Management Plan, or in the Volume I through Volume VIII AHERA Three-Year Re-inspection reports, and were re-inspected as part of this project.

As mandated by the U S EPA AHERA regulations, periodic Six-Month inspections and Three-Year Re-inspections of this location will be performed and the Inspection Data in this report will be updated accordingly.

Please feel free to contact the School District of Philadelphia's Office of Environmental Management and Services (OEMS) regarding any comments, questions, or concerns regarding this report or any Environmental related topic. OEMS staff can be reached at (215) 400 4750, via fax at (215) 400 4751 or via e-mail at <u>flocke@philasd.org</u> and/or <u>gfjunod@philasd.org</u>.

Additional information can be found on our website. Here is the link to the OEMS website. http://webgui.phila.k12.pa.us/offices/e/environmental

I. Summary list of Confirmed Asbestos Containing Building Materials within this facility

These charts are to be used for a quick reference* in order to avoid the unknowing disturbance of Asbestos Containing Materials during any and all Operations, Maintenance, Renovation, and/or Demolition activities at this location. *These materials have been sampled and Laboratory Analysis has CONFIRMED the presence of Asbestos. Contact OEMS prior to the disturbance of any of the following materials.*

Confirmed Asbestos Containing Building Materials for this location

Since this facility was fully renovated and/or built after December 31, 1980 all suspect friable asbestos containing building materials do not exist in this facility.

II. Summary list of Assumed Asbestos Containing Building Materials within this facility

These charts are to be used for a quick reference* in order to avoid the unknowing disturbance of Asbestos Containing Materials during any and all Operations, Maintenance, Renovation, and/or Demolition activities at this location. These materials have not been sampled and should not be disturbed until verification of Asbestos Content. Contact OEMS for assessment and sampling prior to the disturbance of these materials.

Assumed Asbestos Containing Building Materials for this location

Since this facility was fully renovated and/or built after December 31, 1980 all suspect friable asbestos containing building materials do not exist in this facility.

III. Summary list of Non-Asbestos Containing Building Materials within this facility

These charts are to be used for a quick reference* in order to avoid the unknowing disturbance of Asbestos Containing Materials during any and all Operations, Maintenance, Renovation, and/or Demolition activities at this location. *These materials have been sampled and Laboratory Analysis has indicated NO Asbestos present or NO ASBESTOS DETECTED (NAD)*.

Non- Asbestos Containing Building Materials for this location

Floor Tile VAT 12" x 12"	

* Always refer to the Room by Room Logs for each specific material classification as the material classification findings may be different in various rooms throughout this facility.
 ** Some Materials may have multiple classifications (Confirmed, Assumed, NAD and Non Suspect) within this facility.

IV. Summary list of Non-Suspect Asbestos Containing Building Materials within this facility

These charts are to be used for a quick reference* in order to avoid the unknowing disturbance of Asbestos Containing Materials during any and all Operations, Maintenance, Renovation, and/or Demolition activities at this location. These materials are not typically known to contain Asbestos.

Non-Suspect Asbestos Containing Building Materials for this location

Carpet	Ceiling Tile 2' x 4'	Ceramic Tile Floors
Concrete Block Wall	Concrete Floor	Fiberglass Ceiling Tile 2' x 4'
Fiberglass Pipe Fitting Insulation	Fiberglass Pipe Insulation	Metal Ceiling
Sheetrock Ceiling	Sheetrock Wall	Sink Undercoat Mastic
Vinyl Sheeting Floor		

* Always refer to the Room by Room Logs for each specific material classification as the material classification findings may be different in various rooms throughout this facility.
 ** Some Materials may have multiple classifications (Confirmed, Assumed, NAD and Non Suspect) within this facility.

V. Summary list of Auditorium DATA for this location

These charts are to be used for a quick reference of the Auditorium DATA within this facility. Sampling of the Auditorium Ceilings throughout the District is more difficult because of the various ceiling heights. As sampling occurs this information is updated on a case by case basis for each specific location and facility.

This is a list of known materials for this location's Auditorium

This building does not have an Auditorium.

* Always refer to the Room by Room Logs for each specific material classification as the material classification findings may be different in various rooms throughout this facility.
 ** Some Materials may have multiple classifications (Confirmed, Assumed, NAD and Non Suspect) within this facility.

VI. Summary list of Attic and/or Crawlspace DATA for this location

These charts are to be used for a quick reference regarding the Attics and/or Crawlspaces inspection DATA within this facility. Contact OEMS prior to entering any attic or crawlspace within this facility and refer to the below chart and legend for Category Rank determination. The Data relative to these spaces is updated as conditions change regarding Abatement or Renovation activity on a case by case basis for each specific location and facility. In general, Crawlspaces are below the basement or 1st floor and Attics are above the floor space.

Category Rank Legend

"A" - No Asbestos Containing Materials - Sample Results indicate NO ACM on pipes, fittings, elbows, or equipment located within this functional space, and NO VISIBLE DEBRIS or DAMAGE observed at time of this inspection.
"B" - Asbestos Containing Materials Exist - Sample Results indicate ACM on pipes, fittings, elbows, or equipment located within this functional space, HOWEVER, NO VISIBLE DEBRIS or DAMAGE observed at time of this inspection.
"C" - Asbestos Containing Materials Exist - Sample Results indicate ACM on pipes, fittings, elbows, or equipment located within this functional space, and LOCALIZED VISIBLE DEBRIS or DAMAGE observed at time of this inspection.
"D" - Asbestos Containing Materials Exist - Sample Results indicate ACM on pipes, fittings, elbows, or equipment located within this functional space, and LOCALIZED VISIBLE DEBRIS or DAMAGE observed at time of this inspection.
"D" - Asbestos Containing Materials Exist - Sample Results indicate ACM on pipes, fittings, elbows, or equipment located within this functional space and DISTRIBUTED VISIBLE DEBRIS or SIGNIFICANT DAMAGE observed at time of this inspection.
"E" - No Bulk Sample Results Available SUSPECT ACM OBSERVED. Contact OEMS immediately for additional instructions.

Attic/Crawlspace	Access Area	Floor Surface	Category Rank	Comments
Attic	Х	Х	Х	No Attic
Crawlspace	Х	Х	Х	No Crawlspace

VII. Summary list of Pipe Chase/Pipe Shaft DATA for this location

These charts are to be used for a quick reference regarding the information known about the Pipe Chases and/or Pipe Shafts inspection DATA within this facility. Contact OEMS prior to performing renovation activities any Pipe Chase and/or Pipe Shaft within this facility and refer to the below chart and legend for Asbestos Content of various materials identified within each space. The Data relative to these spaces is updated as conditions change regarding Inspection, Abatement and/or Renovation activity on a case by case basis for each specific location and facility. In general, Pipe Chases are horizontal spaces and Pipe Shafts are vertical spaces.

Pipe Chases and Pipe Shafts need to be assessed.

Section I

Report of Re-Inspection

A. Introduction

B. Three-Year Re-Inspection IX Overview

C. Post-Management Plan Activities and Changes

- C.1 Sampling and Analysis
- C.2 New Floor Tile Sampling
- C.3 Abatement Activity
- C.4 Periodic Six-Month Surveillance (Damaged Materials)

Section I - A

Report of Re-inspection

Introduction

The Three-Year Re-inspection IX was performed to fulfill the requirements of 40 CFR Part 763 - the Asbestos Hazard Emergency Response Act (AHERA). As required by AHERA, each Local Education Agency (LEA) must re-inspect all known confirmed or assumed Asbestos Containing Building Material (ACBM) located in the LEA's facilities. This re-inspection is intended to update the original Asbestos Management Plan for the LEA's facilities.

Multiple Building Inspectors of several firms performed the 2015/2016 re-inspection. The reinspection report/Management Plan of 2015-2016 were reviewed and prepared collectively by Management Planner Megan Vala, Mary Anne Lerro of Criterion Laboratories, Inc. and Monique Causley, of Synertech Inc.

All of the certificates can be found in Section III.

During the re-inspection of each School District of Philadelphia facility, all of the Management Plans for that facility were reviewed. Information from the conclusions section of that report is included in this report. Additionally, information on activities such as abatements, cleanings, sampling and inspections, which have taken place since the completion of the original Management Plan, were reviewed during the re-inspection. Information on those activities are included in this report.

As mandated by the U S EPA AHERA regulations, all future periodic Six-Month inspections and Three-Year Re-inspections of this location will be performed and the Inspection Data in this report will be updated accordingly.

Section I - B

Three-Year Re-inspection IX Overview

Each homogeneous area of Asbestos Containing Building Material (ACBM) listed in the original Management Plan or in the 1992, 1995, 1998, 2001, etc., Three-Year Re-inspection reports were inspected for the AHERA Three-Year Re-inspection Volume IX, and the information for that material verified. Any changes to a homogeneous area listed in the updates to the Management Plans were verified. Any area of suspected ACBM found in the course of the re-inspection, and not listed in the Management Plan or updates, were either assumed to contain asbestos or sampled and analyzed to determine their asbestos content. Any such new areas either assumed to contain asbestos or determine their asbestos or determined through analysis to contain asbestos were included in the report of the Three-Year Re-inspection. The results of the AHERA Three-Year Re-inspection IX are tabulated in the Room by Room log reports located in *Section II-C* of this report.

As previously noted, all future periodic Six-Month inspections and Three-Year Reinspections of this location will be performed and the Inspection Data in this report will be updated accordingly.

Post Management Plan Activities/Changes

Information on activities affecting Asbestos Containing Building Materials (ACBMs) at this location is contained in updates to the Management Plan. These updates are kept on file by the School District of Philadelphia and were reviewed for this project. Updates to the Management Plan include the following: *Sampling and Analysis, New Tile Installation, Abatement Activity and Periodic Six-Month Surveillance Data*.

Sampling and Analysis

In the event Sampling occurs, data will be listed here.

Information on the installation of new floor tiles/renovation activities affecting Asbestos Containing Building Materials (ACBMs) at this location is contained in updates to the Management Plan. These updates are kept on file by the School District of Philadelphia and were reviewed for this project. Updates to the Management Plan include the following:

New Floor Tile Sampling

In the event that new tile is installed, the material must be tested prior to installation.

Information on the Asbestos Abatement and renovation activities affecting Asbestos Containing Building Materials (ACBMs) at this location is contained in updates to the Management Plan. These updates are kept on file by the School District of Philadelphia and were reviewed for this project. Updates to the Management Plan include the following:

Abatement Activity

In the event that Abatement occurs, data will be listed here.

Information on the AHERA inspection that noted damage to various Building Materials at this location is contained in updates to the Management Plan. These updates are kept on file by the School District of Philadelphia and were reviewed for this project. Work orders are created for Corrective Action responses and tracked for completion. Updates to the Management Plan include the following:

Periodic (Six-Month) Surveillance (Damaged Materials)

This building is excluded from having any asbestos-containing materials via sampling data. However, our inspections may, if observed, report findings of damaged materials in order for work orders to be issued for material repairs/corrective action as necessary.

Date	Element	Floor	On Site Room Name	Material	Amount of Material	Amount of Damage
4/12/2017	1	1	Classroom 126	Ceiling Tile 2' x 4'	900 SF	1 SF
4/12/2017	1	1	Classroom 125	Ceiling Tile 2' x 4'	900 SF	1 SF
4/12/2017	1	1	Classroom 124	Ceiling Tile 2' x 4'	900 SF	2 SF
4/12/2017	1	1	Classroom 122	Ceiling Tile 2' x 4'	900 SF	1 SF
4/12/2017	1	1	Building Engineer's Office	Ceiling Tile 2' x 4'	96 SF	1 SF
4/12/2017	1	1	Boiler Room	Fiberglass Pipe Insulation	350 LF	50 LF
4/12/2017	1	1	Cafetorium Left Side Storage Room (closer to kitchen)	Ceiling Tile 2' x 4'	160 SF	1 SF
4/12/2017	1	1	Classroom 102	Ceiling Tile 2' x 4'	1134 SF	3 SF
4/12/2017	1	1	Classroom 106	Ceiling Tile 2' x 4'	1134 SF	3 SF
4/12/2017	1	1	Classroom 107	Ceiling Tile 2' x 4'	1134 SF	4 SF
4/12/2017	1	1	Classroom 108	Ceiling Tile 2' x 4'	1134 SF	1 SF
4/12/2017	1	1	Classroom 108 Restroom	Ceiling Tile 2' x 4'	35 SF	1 SF
4/12/2017	1	1	Hallway from Storage Room next to Classroom 102 to Exit Doors past Classroom 108	Ceiling Tile 2' x 4'	1185 SF	1 SF
4/12/2017	1	1	Hallway near Main Office and Storage Room next to Classroom 102 to Rear Exit Doors	Ceiling Tile 2' x 4'	240 SF	1 SF
4/12/2017	1	1	Main Office	Ceiling Tile 2' x 4'	756 SF	1 SF

Damaged materials reported in this section will be forwarded to maintenance for repairs.

Section II

Re-Inspection Data

A. Introduction

B. Re-Inspection Key Definitions C. Room by Room Location Log Report

Section II - A

Re-inspection Data

Introduction

The following information documents the Three-Year Re-inspection IX of the subject school/facility. The Homogeneous Area Reports were produced using the building inspector's field data on the facility. The key to the Homogeneous Area Report is outlined in the following pages of this report.

SCHOOL DISTRICT OF PHILADELPHIA AHERA THREE YEAR RE-INSPECTION IX

ITEM DEFINITION

ULCS#	Individual identification number assigned to each school within the School District of Philadelphia.						
HOMOGENEOUS AREA ID#	Identification number assigned to each homogeneous area in a school/facility. Each section of the homogeneous area ID is significant.						
	1010/01/01 A B C D						
	 A. Is the ULCS# for the school. B. Designates the specific building/building area within the school. C. Designates the floor or level within the building/building area. D. Designates the homogeneous material within that floor or level. Note: Item D may be a number or a letter. 						
SYSTEM AFFECTED	Corresponds to the AHERA system for classifying materials.						
	T:Thermal SystemS:Surfacing SystemM:Miscellaneous						
ITEM AFFECTED	Is a description of the homogeneous material.						
ORIGINAL INSPECTION DATA	This section contains the information found in the original Management Plan (1988-1989).						
AMOUNT OF MATERIAL/ UNIT	Quantity of material, and measuring unit. Units include: Square Feet (SF) Each (EA) Linear Feet (LF) Cubic Feet (CF).						

SCHOOL DISTRICT OF PHILADELPHIA AHERA THREE YEAR RE-INSPECTION IX

RE-INSPECTION FORM KEY

ITEM DEFINITION

CND Condition	Corresp	ponds to	AHERA condition rating for materials.
Condition	0	:	No Damage
	1	:	Damage
	2	:	Significant Damage
DP Damage Potential	Corresp	ponds to	the AHERA material assessment system.
Dunnage i otentiai	1	:	Potential for Damage
	2	:	Potential for Significant Damage
ASMD	This m	eans that	t a material was not sampled for asbestos content
Assumed Asbestos			inal Management Plan inspection.
RA Response	This co	orrespond	ds to the AHERA system of response action rating for materials.
Action	1	:	Establish O&M Program
	2	:	Repair and Establish O&M Program
	3	:	Enclose
	4	:	Encapsulate
	5	:	Remove
	6	:	Partial Removal and Establish O&M Program
CHANGES			scribes changes to the homogeneous material in the twenty-four years since the A inspection. The abbreviations are defined below.
	RMVD)	: Removed
	ENCL		: Enclosed
	ENCP		: Encapsulated
	DMGE)	: Damaged
	SMPL		: Sampled
	MTRL		: Material
	RPRD		: Repaired
	N/L		: None Located
	RPLC	D	: Replaced

SCHOOL DISTRICT OF PHILADELPHIA AHERA THREE-YEAR RE-INSPECTION IX

RE-INSPECTION FORM KEY

ITEM DEFINITION

THREE YEAR RE-INSPECTION	This section contains the information obtained from the Three-Year Re-inspection IX. With three exceptions, the information categories are identical in format and meaning to those found in the original inspection data section. The three exceptions are defined below.
DMGD AMT Amount Damaged	This section gives the quantity of damaged material in a homogeneous area. The quantity is shown in the same format as the amount of material/unit section.
NF Newly Friable	This section identifies materials in the original Management Plan which have since become friable.
RA Response Action	This rating is based on the AHERA regulations, and is comparable to the RA rating found in the "Original Inspection Data" section. The following table details the response actions.
	 Establish O&M Program Repair and Establish O&M Program Enclose Encapsulate Remove Partial Removal and Establish O&M Program
	a. High Priority Response The homogeneous material has been scheduled for abatement or other response action.
	b. Medium Priority Response The homogeneous material will be scheduled for abatement or other response action as soon as the high priority responses have been addressed.
	c. Low Priority Response The homogeneous material will be scheduled for abatement or other response action as soon as the medium priority responses have been addressed.
	d. On-Going Response/Operations and Maintenance The homogeneous material does not require abatement or other response action at present, and should be included in the facility's on-going operations and maintenance program.

SCHOOL DISTRICT OF PHILADELPHIA AHERA THREE-YEAR RE-INSPECTION IX

RE-INSPECTION FORM KEY

The information presented in the changes section has been compiled from a variety of sources, including the Re-inspection and the following:

* Quality Control/Quality Assurance Reports of asbestos abatement projects, prepared by consultants to the School District.

- * Permit and Notification Forms for asbestos abatement projects.
- * Periodic Surveillance Forms
- * Operations and Maintenance activities performed by School District personnel.
- * Verbal information from School District personnel.

* Reports of sampling and analysis of suspected materials by both School District personnel and outside consultants.

ROOM BY ROOM LOCATION LOG REPORT

This section gives information, including damage amount and location, for a specific homogeneous material on a room-by-room basis and follows the Re-inspection form.

NOTE: The disparate nature of the above sources of information prohibits the verification of much information within the scope of the AHERA Three-Year Re-inspection. Discrepancies and omissions may exist in this information, and therefore is included on an "as is" basis. The inspectors for the Three-Year Re-inspection IX evaluated homogeneous areas based on the materials current condition and location, as evidenced during the inspector's site visit.

Section II - C

Room by Room Location Log Report

These charts are to be used for a quick reference* in order to avoid the unknowing disturbance of Asbestos Containing Materials during any and all Operations, Maintenance, Renovation, and/or Demolition activities at this location.

NOTE:

Contact OEMS prior to the disturbance of any of the materials that are listed as **Confirmed and/or Assumed**.

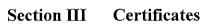
The quantities listed for (NAD) non-asbestos containing materials and/or Non-Suspect Materials are only estimated and were not measured for the purpose of this report. Field verification of quantities for renovation purposes would be necessary.

	School District of Philadelphia		AH	IERA Three-Year Reinspecti	on 2015-201	6				Reinspection Date: 4/21/2016	
	Solomon Solis-Cohen Little School House			Room by Room Location L		-				Building Inspector: Paul Davis	
	7001 Horrocks Street, Philadelphia, PA 19149	L			og neport				1		
										Number: 050368	
	ULCS# 8341									Management Planner: M. Causley	
	Year Built: 2009									Number: 046177	
E I F e I m I e O											Attic/ Crawl
n o		System		Confirmed/Assumed/NAD/	Amount of	SF LF	Amount of	SF LF	Color required		Space
t r 1 1 Clas	On Site Room Name	Affected N/A	Material Description Ceiling Tile 2' x 4'	Non Suspect ACM	Material 900	EA SF	Damage	EA EA	for VAT	Comments/Description/Notes	Ranking
	ssroom 126	N/A N/A	Concrete Block Wall	Non Suspect ACM	1200	SF	0	SF			
	ssroom 126	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
1 1 Cla	ssroom 126	N/A	Floor Tile VAT 12" x 12"	NAD	442	SF	0	SF	Green		
	ssroom 126	N/A	Floor Tile VAT 12" x 12"	NAD	364	SF	0	SF	Tan		
	ssroom 125	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	900	SF	1	EA			
	ssroom 125 ssroom 125	N/A N/A	Concrete Block Wall Sink Undercoat Mastic	Non Suspect ACM Non Suspect ACM	1200	SF SF	0	SF SF	Crow		
	ssroom 125	N/A N/A	Floor Tile VAT 12" x 12"	NAD	442	SF	0	SF	Grey Green		
	ssroom 125	N/A N/A	Floor Tile VAT 12 x 12 Floor Tile VAT 12" x 12"	NAD	364	SF	0	SF	Tan		
	ssroom 124	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	900	SF	2	EA			
	ssroom 124	N/A	Concrete Block Wall	Non Suspect ACM	1200	SF	0	SF			
	ssroom 124	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
	ssroom 124	N/A	Floor Tile VAT 12" x 12"	NAD	442	SF	0	SF	Green		
	ssroom 124 ssroom 123	N/A N/A	Floor Tile VAT 12" x 12" Ceiling Tile 2' x 4'	NAD Non Suspect ACM	364 900	SF SF	0	SF SF	Tan		
	ssroom 123	N/A N/A	Concrete Block Wall	Non Suspect ACM	1200	SF	0	SF			
	ssroom 123	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
	ssroom 123	N/A	Floor Tile VAT 12" x 12"	NAD	442	SF	0	SF	Green		
	ssroom 123	N/A	Floor Tile VAT 12" x 12"	NAD	364	SF	0	SF	Tan		
	ssroom 122	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	900	SF	1	EA			
	ssroom 122	N/A	Concrete Block Wall	Non Suspect ACM	1200	SF	0	SF	-		
	ssroom 122 ssroom 122	N/A N/A	Sink Undercoat Mastic Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	442	SF SF	0	SF SF	Grey Green		
	ssroom 122	N/A N/A	Floor Tile VAT 12 x 12 Floor Tile VAT 12" x 12"	NAD	364	SF	0	SF	Tan		
	ssroom 121	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	900	SF	0	SF	Tun		
	ssroom 121	N/A	Concrete Block Wall	Non Suspect ACM	1200	SF	0	SF			
	ssroom 121	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
	ssroom 121	N/A	Floor Tile VAT 12" x 12"	NAD	442	SF	0	SF	Green		
	ssroom 121	N/A	Floor Tile VAT 12" x 12"	NAD	364	SF	0	SF	Tan		
	's Restroom 's Restroom	N/A N/A	Fiberglass Ceiling Tile 2' x 4' Sheetrock Ceiling	Non Suspect ACM Non Suspect ACM	180	SF	0	SF SF			
	's Restroom	N/A	Concrete Block Wall	Non Suspect ACM	640	SF	0	SF			
	's Restroom	N/A	Floor Tile VAT 12" x 12"	NAD	40	SF	0	SF	Tan		
1 1 Girl	's Restroom	N/A	Floor Tile VAT 12" x 12"	NAD	1	SF	0	SF	Purple		
	's Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	180	SF	0	SF	Blue		
	's Restroom	N/A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	180	SF	0	SF			
	's Restroom 's Restroom	N/A N/A	Sheetrock Ceiling Concrete Block Wall	Non Suspect ACM Non Suspect ACM	40 640	SF SF	0	SF SF			
	's Restroom	N/A N/A	Floor Tile VAT 12" x 12"	NON SUSPECT ACM NAD	40	SF	0	SF	Tan		
)	's Restroom	N/A	Floor Tile VAT 12" x 12"	NAD	1	SF	0	SF	Blue		
	's Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	180	SF	0	SF	Blue		
	ff Restroom across from Boy's Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	0	SF			
	ff Restroom across from Boy's Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF			
	ff Restroom across from Boy's Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
	ff Restroom next to Building Engineer's Office ff Restroom next to Building Engineer's Office	N/A N/A	Ceiling Tile 2' x 4' Concrete Block Wall	Non Suspect ACM Non Suspect ACM	35 200	SF SF	0	SF SF	1		
	ff Restroom next to Building Engineer's Office	N/A N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
	ding Engineer's Office	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	96	SF	1	EA	2.00		
1 1 Buil	ding Engineer's Office	N/A	Concrete Block Wall	Non Suspect ACM	352	SF	0	SF			
	ding Engineer's Office	N/A	Floor Tile VAT 12" x 12"	NAD	96	SF	0	SF	Green		
1 1 Boil	ctrical Room between Building Engineer's Office and er Room ctrical Room between Building Engineer's Office and	N/A	Metal Ceiling	Non Suspect ACM	216	SF	0	SF			
1 1 Boil	er Room between Building Engineer's Office and ctrical Room between Building Engineer's Office and	N/A	Concrete Block Wall	Non Suspect ACM	660	SF	0	SF			
1 1 Boil Elec	er Room ctrical Room between Building Engineer's Office and	N/A	Sheetrock Wall	Non Suspect ACM	462	SF	0	SF			
	er Room	N/A	Concrete Floor	Non Suspect ACM	216	SF	0	SF			
1 1 Boil 1 1 Boil	er Room	N/A N/A	Fiberglass Pipe Insulation Fiberglass Pipe Fitting Insulation	Non Suspect ACM Non Suspect ACM	350 75	LF EA	50 0	LF EA			
I I BOI		IN/A	Fiberglass Fipe Fitting Insulation	NON SUSPECT ACIVI	/5	EA	U	L EA	1		

	School District of Philadelphia		АН	ERA Three-Year Reinspectio	on 2015-2010	6				Reinspection Date: 4/21/2016	
	Solomon Solis-Cohen Little School House			Room by Room Location Lo						Building Inspector: Paul Davis	
	7001 Horrocks Street, Philadelphia, PA 19149				5				1	Number: 050368	
	· · ·										
	ULCS# 8341									Management Planner: M. Causley	
_	Year Built: 2009					_				Number: 046177	
E I E											
e ,											
m											Attic/ Crawl
e O n O		System		Confirmed/Assumed/NAD/	Amount of	SF LF	Amount of	SF LF	Color required		Space
t r	On Site Room Name	Affected	Material Description	Non Suspect ACM	Material	EA	Damage	EA	for VAT	Comments/Description/Notes	Ranking
	Boiler Room	N/A N/A	Metal Ceiling Concrete Block Wall	Non Suspect ACM Non Suspect ACM	768 1680	SF SF	0	SF SF			
1 1	Boiler Room Boiler Room	N/A N/A	Concrete Floor	Non Suspect ACM	768	SF	0	SF			
	Custodial Closet across from Boy's and Girl's Restrooms	N/A	Fiberglass Pipe Insulation	Non Suspect ACM	6	LF	0	LF			
1 1	Custodial Closet across from Boy's and Girl's Restrooms	N/A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	56	SF	0	SF			
1 1	Custodial Closet across from Boy's and Girl's Restrooms	N/A	Concrete Block Wall	Non Suspect ACM	240	SF	0	SF			
	Custodial Closet across from Boy's and Girl's Restrooms	N/A	Floor Tile VAT 12" x 12"	NAD	56	SF	0	SF	Green		
1 1	Technology Room next to Boy's Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	112	SF	0	SF			
	Technology Room next to Boy's Restroom	N/A N/A	Concrete Block Wall	Non Suspect ACM	400	SF SF	0	SF SF		Plywood over Walls	
	Technology Room next to Boy's Restroom Kitchen	N/A N/A	Concrete Floor Fiberglass Pipe Insulation	Non Suspect ACM Non Suspect ACM	112 10	LF	0	LF			
	Kitchen	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	600	SF	0	SF			
	Kitchen	N/A	Concrete Block Wall	Non Suspect ACM	954	SF	0	SF			
1 1	Kitchen	N/A	Ceramic Tile Floors	Non Suspect ACM	600	SF	0	SF			
	Cafetorium	N/A	Fiberglass Pipe Insulation	Non Suspect ACM	4	LF	0	LF			
	Cafetorium	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	2200	SF	0	SF			
	Cafetorium	N/A	Concrete Block Wall	Non Suspect ACM	2900	SF	0	SF			
	Cafetorium Cafetorium	N/A N/A	Sheetrock Wall Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	140 2200	SF SF	0	SF SF	Multi		
1 1	Cafetorium Right Side Storage Room	N/A N/A	Fiberglass Pipe Insulation	Non Suspect ACM	15	LF	0	LF	wuu		
	Cafetorium Right Side Storage Room	N/A	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	9	EA	0	EA			
	Cafetorium Right Side Storage Room	N/A	Metal Ceiling	Non Suspect ACM	160	SF	0	SF			
1 1	Cafetorium Right Side Storage Room	N/A	Concrete Block Wall	Non Suspect ACM	830	SF	0	SF			
	Cafetorium Right Side Storage Room	N/A	Concrete Floor	Non Suspect ACM	160	SF	0	SF			
	Cafetorium Left Side Storage Room (closer to kitchen)	N/A	Fiberglass Pipe Insulation	Non Suspect ACM	6	LF	0	LF			
	Cafetorium Left Side Storage Room (closer to kitchen)	N/A N/A	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	4 160	EA SF	0	EA EA			
	Cafetorium Left Side Storage Room (closer to kitchen) Cafetorium Left Side Storage Room (closer to kitchen)	N/A N/A	Ceiling Tile 2' x 4' Concrete Block Wall	Non Suspect ACM Non Suspect ACM	470	SF	0	SF			
	Cafetorium Left Side Storage Room (closer to kitchen)	N/A	Floor Tile VAT 12" x 12"	NAD	160	SF	0	SF	Blue		
	Faculty Lounge	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	182	SF	0	SF			
	Faculty Lounge	N/A	Concrete Block Wall	Non Suspect ACM	540	SF	0	SF			
	Faculty Lounge	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
	Faculty Lounge	N/A	Floor Tile VAT 12" x 12"	NAD	182	SF	0	SF	Multi		
	Storage Room next to Classroom 102 Storage Room next to Classroom 102	N/A N/A	Fiberglass Pipe Insulation Fiberglass Pipe Fitting Insulation	Non Suspect ACM Non Suspect ACM	100 30	LF EA	0	LF EA			
	Storage Room next to Classroom 102	N/A	Metal Ceiling	Non Suspect ACM	252	SF	0	SF			
	Storage Room next to Classroom 102	N/A	Concrete Block Wall	Non Suspect ACM	700	SF	0	SF			
	Storage Room next to Classroom 102	N/A	Sheetrock Wall	Non Suspect ACM	420	SF	0	SF			
	Storage Room next to Classroom 102	N/A	Concrete Floor	Non Suspect ACM	252	SF	0	SF			
	Classroom 102	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	3	EA			
	Classroom 102	N/A	Concrete Block Wall	Non Suspect ACM	1380	SF SF	0	SF	Crow		
1 1	Classroom 102 Classroom 102	N/A N/A	Sink Undercoat Mastic Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	4 680	SF SF	0	SF SF	Grey Blue		
1 1	Classroom 102	N/A N/A	Floor Tile VAT 12 x 12 Floor Tile VAT 12" x 12"	NAD	400	SF	0	SF	Tan		
1 1	Classroom 102 Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	0	SF			
1 1	Classroom 102 Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF			
	Classroom 102 Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
1 1	Classroom 103	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	0	SF			
1 1	Classroom 103	N/A	Concrete Block Wall	Non Suspect ACM	1380	SF SF	0	SF	0		
1 1 1 1	Classroom 103 Classroom 103	N/A N/A	Sink Undercoat Mastic Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	4 680	SF SF	0	SF SF	Grey Blue		
1 1	Classroom 103	N/A	Floor Tile VAT 12 X 12 Floor Tile VAT 12" X 12"	NAD	400	SF	0	SF	Tan		
1 1	Classroom 103 Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	0	SF	1		
1 1	Classroom 103 Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF			
	Classroom 103 Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
1 1	Classroom 104	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	0	SF			
1 1	Classroom 104	N/A	Concrete Block Wall	Non Suspect ACM	1380	SF	0	SF	0		
1 1 1 1	Classroom 104 Classroom 104	N/A N/A	Sink Undercoat Mastic Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	4 680	SF SF	0	SF SF	Grey Blue		
	Classroom 104	N/A N/A	Floor Tile VAT 12 x 12 Floor Tile VAT 12" x 12"	NAD	400	SF	0	SF	Tan		
		11/1		11/10/	-700	1 01		1 31	1 1011	I	

	s				IERA Three-Year Reinspection	50 2013-2010)				Reinspection Date: 4/21/2016	
		Solomon Solis-Cohen Little School House			Room by Room Location Lo	og Report					Building Inspector: Paul Davis	
	700	01 Horrocks Street, Philadelphia, PA 19149									Number: 050368	
		ULCS# 8341									Management Planner: M. Causley	
1		Year Built: 2009									Number: 046177	
E		Tear Built. 2005										
I F m I e 0 n 0			System		Confirmed/Assumed/NAD/	Amount of	SF LF	Amount of	SF LF	Color required		Attic/ Crawl Space
t r		On Site Room Name	Affected	Material Description	Non Suspect ACM	Material	EA	Damage	EA	for VAT	Comments/Description/Notes	Ranking
1 1		oom 104 Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	0	SF			
1 1		oom 104 Restroom oom 104 Restroom	N/A N/A	Concrete Block Wall Vinyl Sheeting Floor	Non Suspect ACM Non Suspect ACM	200	SF SF	0	SF SF	Blue		
		oom 105	N/A N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	0	SF	Biue		
1 1		oom 105	N/A	Concrete Block Wall	Non Suspect ACM	1380	SF	0	SF			
1 1	Classro	oom 105	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
1 1		oom 105	N/A	Floor Tile VAT 12" x 12"	NAD	680	SF	0	SF	Blue		
1 1		oom 105	N/A	Floor Tile VAT 12" x 12"	NAD	400	SF	0	SF	Tan		
1 1		oom 105 Restroom oom 105 Restroom	N/A N/A	Ceiling Tile 2' x 4' Concrete Block Wall	Non Suspect ACM Non Suspect ACM	35 200	SF SF	0	SF SF			
1 1		oom 105 Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
1 1		oom 106	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	3	EA			
1 1		oom 106	N/A	Concrete Block Wall	Non Suspect ACM	1380	SF	0	SF			
1 1		oom 106	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
1 1		oom 106	N/A	Floor Tile VAT 12" x 12"	NAD	680	SF SF	0	SF	Blue		
		oom 106 oom 106 Restroom	N/A N/A	Floor Tile VAT 12" x 12" Ceiling Tile 2' x 4'	NAD Non Suspect ACM	400	SF	0	SF SF	Tan		
1 1		oom 106 Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF			
1 1		oom 106 Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
	Classro		N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	1134	SF	4	EA			
	Classro		N/A	Concrete Block Wall	Non Suspect ACM	1380	SF	0	SF			
	Classro		N/A N/A	Sink Undercoat Mastic Floor Tile VAT 12" x 12"	Non Suspect ACM NAD	4 680	SF SF	0	SF SF	Grey		
	Classic		N/A N/A	Floor Tile VAT 12 x 12 Floor Tile VAT 12" x 12"	NAD	400	SF	0	SF	Blue Tan		
		oom 107 Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	0	SF	- Tun		
		oom 107 Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF			
		oom 107 Restroom	N/A	Vinyl Sheeting Floor	Non Suspect ACM	35	SF	0	SF	Blue		
	Classro		N/A	Ceiling Tile 2' x 4' Concrete Block Wall	Non Suspect ACM	1134	SF SF	1	EA			
	Classro		N/A N/A	Sink Undercoat Mastic	Non Suspect ACM Non Suspect ACM	1380	SF	0	SF SF	Grey		
	Classro		N/A	Floor Tile VAT 12" x 12"	NAD	680	SF	0	SF	Blue		
1 1	Classro	oom 108	N/A	Floor Tile VAT 12" x 12"	NAD	400	SF	0	SF	Tan		
		oom 108 Restroom	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF	1	EA			
		oom 108 Restroom	N/A	Concrete Block Wall	Non Suspect ACM	200	SF	0	SF	51		
1 1	Hallwa	oom 108 Restroom y from Storage Room next to Classroom 102 to oors past Classroom 108	N/A N/A	Vinyl Sheeting Floor Ceiling Tile 2' x 4'	Non Suspect ACM	35	SF SF	0	SF	Blue		
1 1	Hallwa Exit Do	y from Storage Room next to Classroom 102 to bors past Classroom 108	N/A	Concrete Block Wall	Non Suspect ACM	3080	SF	0	SF			
1 1	Exit Do	y from Storage Room next to Classroom 102 to bors past Classroom 108	N/A	Floor Tile VAT 12" x 12"	NAD	1185	SF	0	SF	Multi		
1 1	Doors	y from Lobby Area next to Cafetorium to Exit past Classroom 126 y from Lobby Area next to Cafetorium to Exit	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	940	SF	0	SF			
1 1	Doors Hallwa	past Classroom 126 y from Lobby Area next to Cafetorium to Exit	N/A	Concrete Block Wall	Non Suspect ACM	2820	SF	0	SF			
1 1	Doors	past Classroom 126	N/A	Floor Tile VAT 12" x 12"	NAD	940	SF	0	SF	Multi		
1 1		ntrance to School near Main Office	N/A N/A	Ceiling Tile 2' x 4' Concrete Block Wall	Non Suspect ACM Non Suspect ACM	150 170	SF SF	0	SF			
1 1		Intrance to School near Main Office	N/A	Sheetrock Wall	Non Suspect ACM	36	SF	0	SF			
1 1	Main E	ntrance to School near Main Office	N/A	Floor Tile VAT 12" x 12"	NAD	150	SF	0	SF	Green		
1 1	Lobby	between Cafetorium and Main Office	N/A	Sheetrock Ceiling	Non Suspect ACM	440	SF	0	SF			
1 1		between Cafetorium and Main Office	N/A	Concrete Block Wall	Non Suspect ACM	600	SF	0	SF			
1 1		between Cafetorium and Main Office	N/A	Sheetrock Wall Floor Tile VAT 12" x 12"	Non Suspect ACM	630	SF SF	0	SF SF	NA14:		
	Hallwa	between Cafetorium and Main Office y near Main Office and Storage Room next to oom 102 to Rear Exit Doors	N/A N/A	Ceiling Tile 2' x 4'	NAD Non Suspect ACM	240	SF	0	EA	Multi		
1 1	Hallwa	y near Main Office and Storage Room next to oom 102 to Rear Exit Doors	N/A	Concrete Block Wall	Non Suspect ACM	400	SF	0	SF			
1 1	Classro	y near Main Office and Storage Room next to oom 102 to Rear Exit Doors	N/A	Floor Tile VAT 12" x 12"	NAD	240	SF	0	SF	Multi		
1 1	Main C	Office	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	756	SF	1	EA			

		School District of Philadelphia Solomon Solis-Cohen Little School House		AI	HERA Three-Year Reinspecti Room by Room Location L		5				Reinspection Date: 4/21/2016 Building Inspector: Paul Davis	
		7001 Horrocks Street, Philadelphia, PA 19149									Number: 050368	
		ULCS# 8341									Management Planner: M. Causley	
		Year Built: 2009									Number: 046177	
E I e m e n t	F I o r	On Site Room Name	System Affected	Material Description	Confirmed/Assumed/NAD/ Non Suspect ACM	Amount of Material	SF LF EA	Amount of Damage	SF LF EA	Color required for VAT	Comments/Description/Notes	Attic/ Crawl Space Ranking
1	1	Main Office	N/A	Sheetrock Wall	Non Suspect ACM	825	SF	0	SF			
1	1	Main Office	N/A	Floor Tile VAT 12" x 12"	NAD	378	SF	0	SF	Multi		
1	1	Main Office	N/A	Carpet	Non Suspect ACM	378	SF	0	SF			
1	1	Left Side Office in the Main Office	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	140	SF	0	SF			
1	1	Left Side Office in the Main Office	N/A	Sheetrock Wall	Non Suspect ACM	480	SF	0	SF			
1	1	Left Side Office in the Main Office	N/A	Carpet	Non Suspect ACM	140	SF	0	SF			
1	1	Right Side Office in the Main Office	N/A	Ceiling Tile 2' x 4'	Non Suspect ACM	130	SF	0	SF			
1	1	Right Side Office in the Main Office	N/A	Sheetrock Wall	Non Suspect ACM	460	SF	0	SF			
	1	Right Side Office in the Main Office	N/A	Floor Tile VAT 12" x 12"	NAD	130	SF	0	SF	Purple		
1		raght blue onloe in the main onloe										
1	1	Right Side Office in the Main Office	N/A	Sink Undercoat Mastic	Non Suspect ACM	4	SF	0	SF	Grey		
1 1 1	1 A			Sink Undercoat Mastic X	Non Suspect ACM X X	4 X	SF X	0 X	SF X	Grey		None



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A. Management Planner/Building Inspector Certificates

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Management Planner/Building Inspector Certificates

These charts indicate the Name, Course Date, Expiration Date and Corresponding Certificate Number of the Management Planner and Building Inspector of individuals that participated in the AHERA 3 Year Inspection and Management Plan process of 2015/2016.

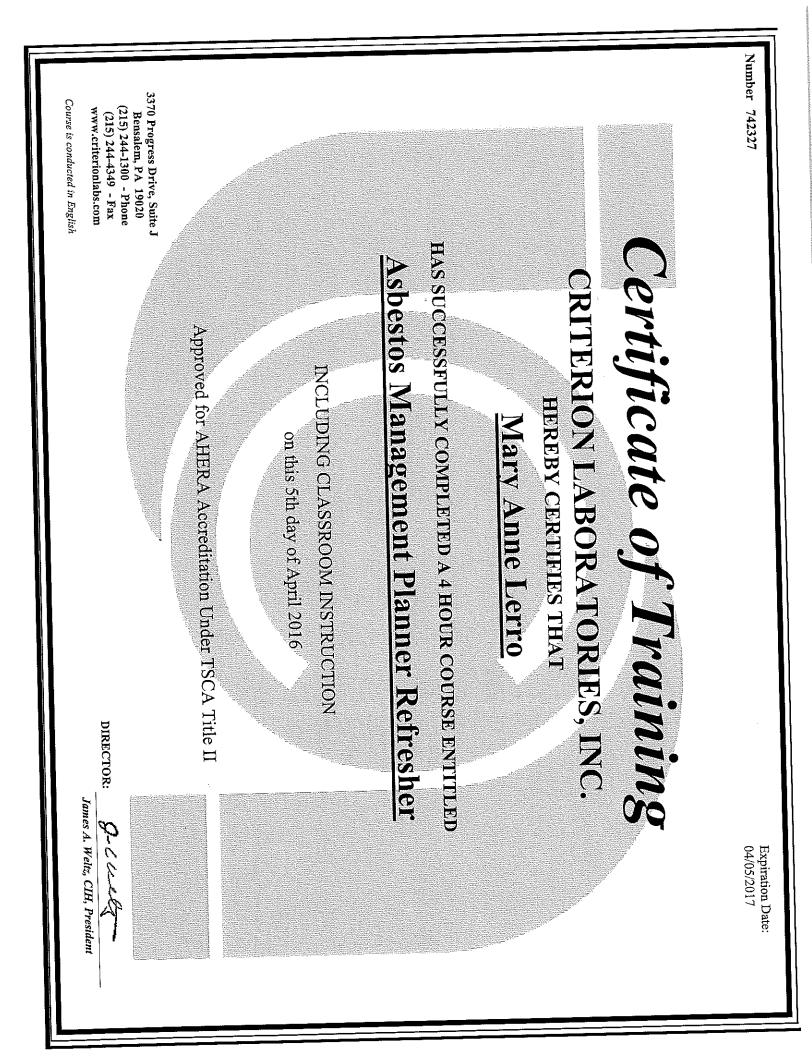
Management Planner	Date Granted	Expiration Date	Certificate Number
Monique Causley	2/15/2015	2/16/2016	ACC-0215-8-010
Monique Causley	2/16/2016	2/17/2017	ACC-0216-8-001
Megan Vala	5/22/2015	6/22/2016	740728
Mary Anne Lerro	4/5/2016	4/5/2017	742327

Building Inspector	Date Granted	Expiration Date	Certificate Number
Scott Magee	8/15/2015	8/15/2016	70016699C
William Garrity	8/15/2015	8/15/2016	70016699A
Bernard Brunner	10/2/2015	8/2/2016	45397
Mary Anne Lerro	3/3/2015	3/3/2016	740092
Mary Anne Lerro	4/5/2016	4/5/2017	742322
James Madden	12/11/2014	12/11/2015	ACC-1214-6-010
James Madden	12/3/2015	12/3/2016	ACC-1215-6-018
Troy Ray	3/15/2015	3/19/2016	ACC-0355-6-011
Ananth Vinjamuri	9/29/2015	9/29/2016	374
Shelton Williams	9/29/2015	9/29/2016	375
Paul Davis	2/12/2015	2/12/2016	ACC-0215-6-015
Paul Davis	2/2/2016	2/2/2017	741836
Bernard Bryson	2/16/2015	2/16/2016	ACC-0125-6-031
Bernard Bryson	2/15/2016	2/15/2017	ACC-0216-6-005
Alexander Roman	9/18/2015	9/18/2015	EHSBIR-150619-008
Norm Harrison	9/2/2015	9/2/2016	ACC-0915-6-011
Kelly Mayberry	2/20/2015	2/20/2016	EHSBIR-150220-005
Kelly Mayberry	2/18/2016	2/18/2017	EHSBIR-160218-006
Andrew Hine	5/6/2015	5/6/2016	AI05042015-3
Maryellen Leotta	2/12/2015	2/12/2016	ACC-0215-6-024

Mark K. Schläger Training Director	2/16/15 N/A 2/16/16 Course Date Exam Date Expiration Date	presented by ACCESS TRAINING SERVICES, INC. 7921 River Road, Pennsauken, NJ 08110 (856) 665-3449	Pennsylvania Asbestos Management Planner Refresher Course	awarded to Monique Causley for successfully completing the prescribed course of study in	Certificate of Completion	
	/		F. Contante		A LEAN A	

Not Provided ACC-0216-8-001 Social Security Number Certificate Number	2/15/16 N/A Course Date Exam Date	presented by ACCESS TRAINING SERVICES, INC 7921 River Road, Pennsauken, NJ 08110 (856) 665-3449	under TSCA Title II	Pennsylvania Asbestos Managem	for successfully completing the prescribed course of study	awarded to	Certificate of Comp	
Mark K. Schläger Training Director	2/15/17 Expiration Date	n, NJ 08110		nagement Planner	SICY ourse of study in		mpletion	





EMSL ANALYTICAL, INC. Certifies that

Scott Magee

has successfully completed the course of study for the

Asbestos Building Inspector Refresher Course

for Accreditation under TSCA Title II

EMSL Certificate No. 70016699C

Accreditation # 137 PA Dept. of Labor and Industry Approved by:

Sponsored by:

Fax: (856) 786-5973 www.emsl.com EMSL Analytical, Inc. 200 Route 130 North Phone: (800) 220-3675 Cinnaminson, NJ 08077



Course Date: 8/15/2015 Expiration Date: 8/15/2016 Granted: 8/15/2015

millem

Training Director Michael P. Menz, CIH

Environmental, Mold, Bacteria, IAQ, Asbestos, Lead, Forensic and Materials Testing Since 1981

EMSL ANALYTICAL, INC. Certifies that

William Garrity

has successfully completed the course of study for the

Asbestos Building Inspector Refresher Course

for Accreditation under TSCA Title $\boldsymbol{\Pi}$

EMSL Certificate No. 70016699A

Approved by: Accreditation #137 PA Dept. of Labor and Industry

Sponsored by:

Cinnaminson, NJ 08077 200 Route 130 North EMSL Analytical, Inc. Fax: (856) 786-5973 Phone: (800) 220-3675 www.emsl.com



Course Date: 8/15/2015 Expiration Date: 8/15/2016 Granted: 8/15/2015

Mull C.M.

Michael P. Menz, CIH **Training Director**

Environmental, Mold, Bacteria, IAQ, Asbestos, Lead, Forensic and Materials Testing Since 1981

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National Asbestos & Environmental Training Institute

CERTIFICATE OF COMPLETION

AHERA/EPA Accredited Per 40 CFR Part 763 Asbestos Accreditation under TSCA Title II

This is to certify that •

Bernard Brunner, Jr.

Successfully completed the course entitled

1/2-Day New York State/EPA/AHERA Asbestos Building Inspector Annual Refresher on October 2, 2015

Examination Passed October 2, 2015

Expiration Date on October 2, 2016

President, NAET

Per 10 NYCRR Part 73.2 (L) (1), DOH 2832 Certificate of Completion of Asbestos Safety Training is the only official record of training for N.Y.S. students.

Language: English

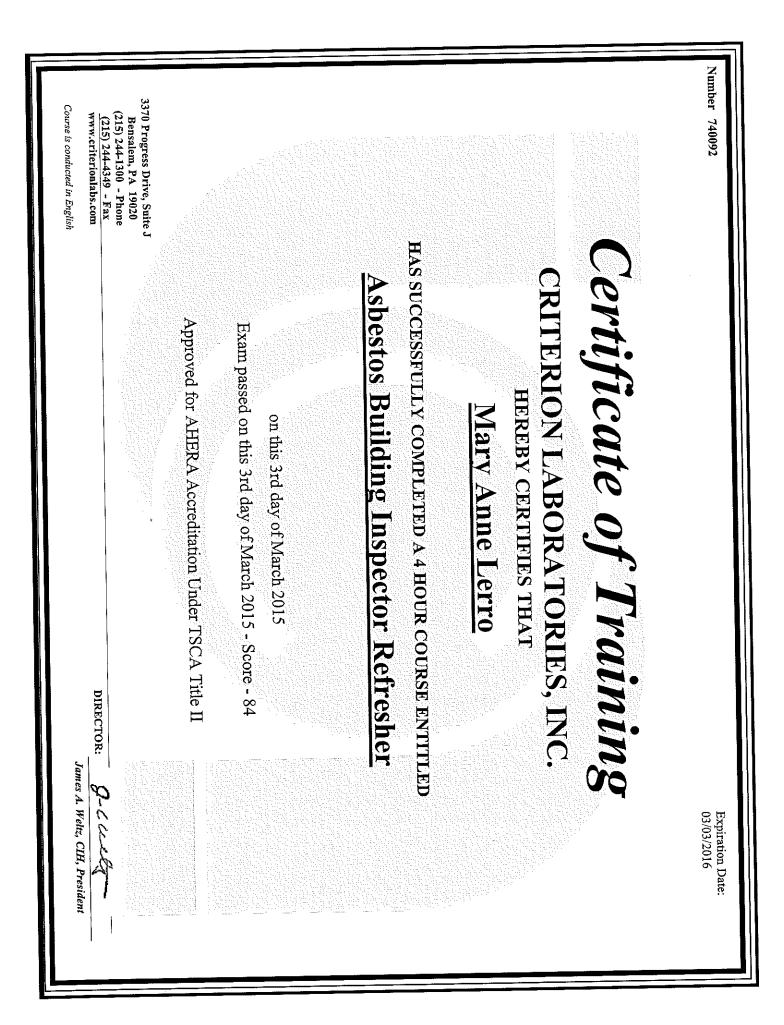
ABIH 1/2 CM POINT

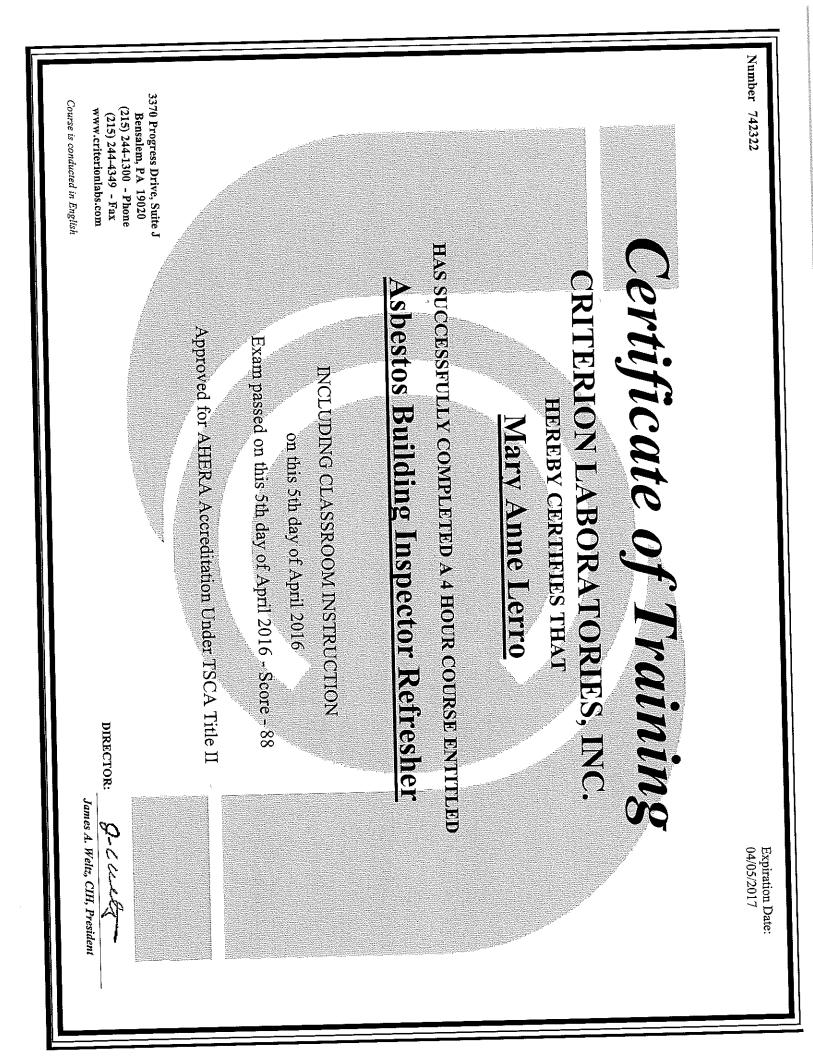
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www.naeti.com

Phone (732) 531-5571

3321 Doris Avenue, Building B, Ocean, NJ 07712





		X			<u>Au</u>						
Social Security Number	Not Provided	Course Date	12/11/14		Buildi				Cert		
Certificate Number	ACC-1214-6-010	Exam Date	N/A	presented by ACCESS TRAINING SERVICES, INC. 7921 River Road, Pennsauken, NJ 08110 (856) 665-3449	Building Inspector Refreshe under TSCA Title II	Pennsylvania Asbestos	for successfully completing the prescribed course of study in	James Madden	Certificate of Com		
Mark K. Schläger Training Director	Mar X. S. M.	Expiration Date	12/11/15	, RVICES, INC. ^{1ken,} NJ 08110	efresher Course	Asbestos	ibed course of study in	dden	ompletion		
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G&C Environmental Services, Inc. (#294) 2 Street Road, Newtown Square, Pennsylvania 19073 Telephone: (610) 993-9202 Facsimile: (610) 993-9232 Email: Training@gcenviro.com www.GCenviro.com

This document certifies that Ananth K. Vinjamuri has successfully completed this

State of New York Department of Health Approved AHERA BUILDING INSPECTOR

REFRESHER COURSE, completed as required for asbestos accreditation under the Toxic

Substances Control Act, Title II. This course was held from $\frac{09/29/2015}{MM DD}$ to $\frac{09/29/2015}{MM DD}$ VR successful completion of the examination ____ The examination date was $\frac{09/29/2015}{MM$ DD YR. This certificate expires one year from the date of 09/29/2016.

The official record of successful training completion is the New York State Department of Health certificate of asbestos safety training completion (DPH 2832).

<u>Gail M. Conner</u> Training Director

Gail M. Corner

CERTIFICATE NO 375

G&C Environmental Services, Inc. (#294) 2 Street Road, Newtown Square, Pennsylvania 19073 Telephone: (610) 993-9202 Facsimile: (610) 993-9232 Email: Training@gcenviro.com www.GCenviro.com

This document certifies that _ Shelton Williams <u>has successfully completed this</u>

State of New York Department of Health Approved AHERA BUILDING INSPECTOR

<u>REFRESHER COURSE</u>, completed as required for asbestos accreditation under the Toxic

Substances Control Act, Title II. This course was held from $\frac{09/29/2015}{MM}$ to $\frac{09/29/2015}{MM}$ to $\frac{09/29/2015}{MM}$ The examination date was $\frac{09/29/2015}{MM$ DD YR. This certificate expires one year from the date of

successful completion of the examination $\frac{09/29/2016}{MM DD YR}$

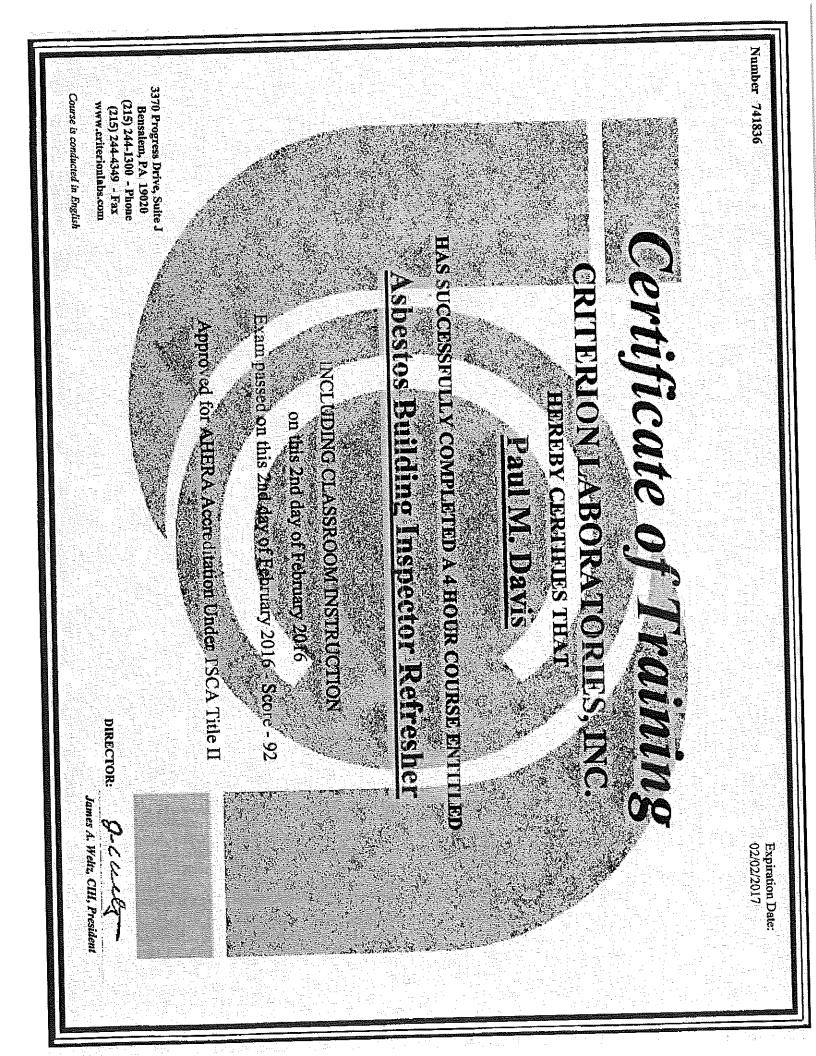
Health certificate of asbestos safety training completion (DPH 2832). The official record of successful training completion is the New York State Department of

<u>Gail M. Conner</u> Training Director

Hail M. Conner

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Certificate of Completion

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Bernard J. Bryson

for successfully completing the prescribed course of study in

Building Inspector Refresher Course Pennsylvania Asbestos

under TSCA Title II

ACCESS TRAINING SERVICES, INC. 7921 River Road, Pennsauken, NJ 08110 (856) 665-3449 presented by

Course Date

Social Security Number

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Expiration Date 2/15/17

ACC-0216-6-005 Certificate Number

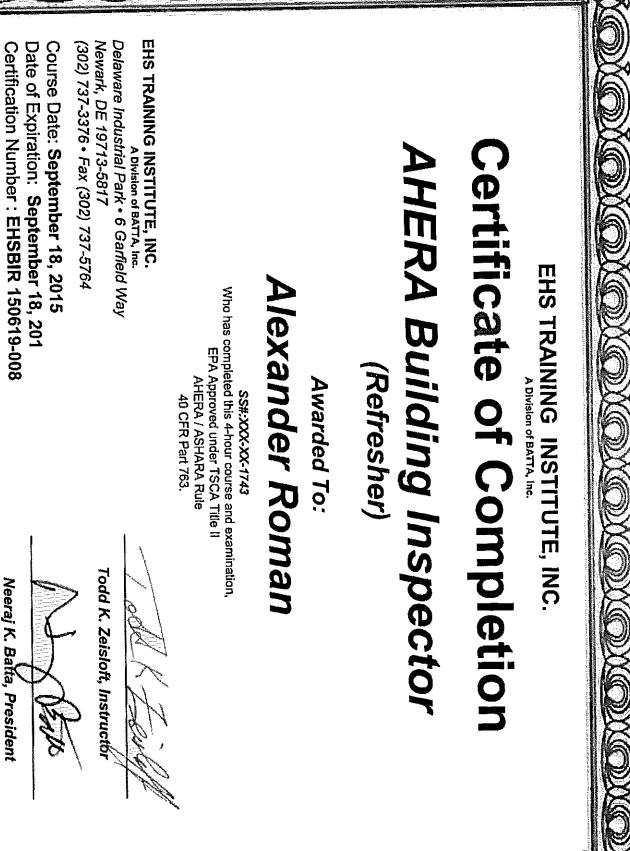
Mark K. Schläger **Training Director**

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Exam Date

N/A

2/15/16



Neeraj K. Bafta, President

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EHS TRAINING INSTITUTE, INC A Division of BATTA, Inc

Certificate of Completion

AHERA Building Inspector (Refresher)

Awarded To:

Kelly Mayberry

Who has completed this 4-hour course and examination, EPA Approved under TSCA Title II AHERA / ASHARA Rule SS#:XXX-XX-1551 40 CFR Part 763

(302) 737-3376 · Fax (302) 737-5764 Newark, DE 19713-5817 Delaware Industrial Park • 6 Garfield Way A Division of BATTA, Inc.

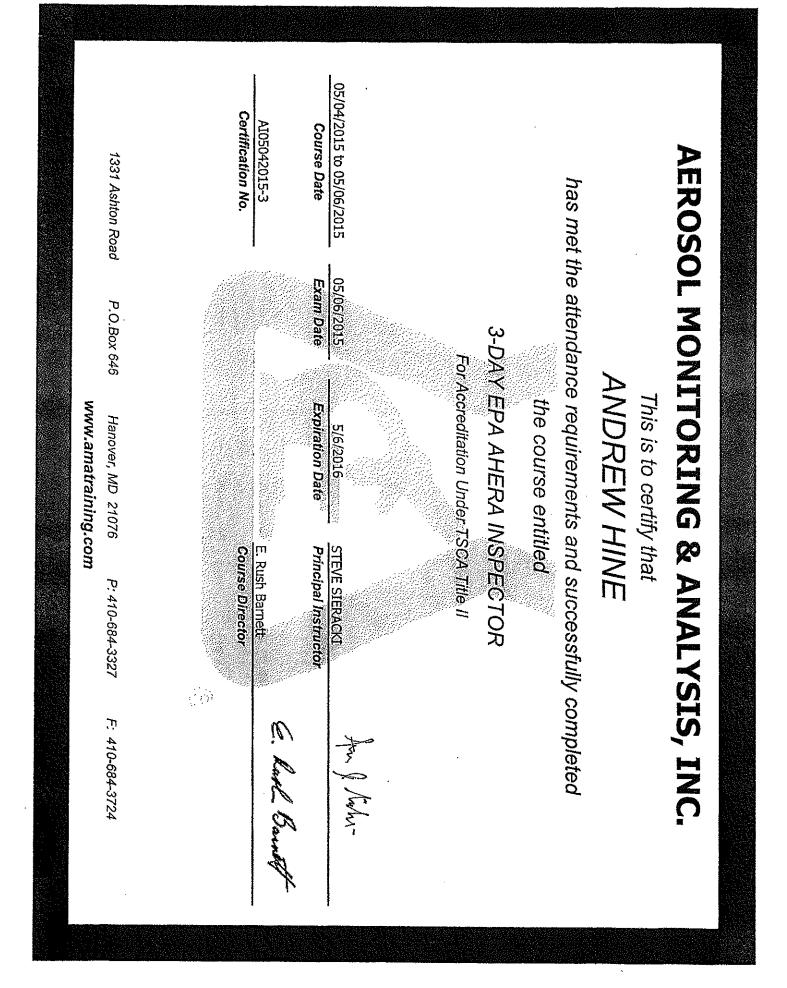
EHS TRAINING INSTITUTE, INC.

Course Date: February 20, 2015 Certification Number : EHSBIR 150220-005 Date of Expiration: February 20, 2016

Todd K. Zeisloft, Instruct6

Neeraj K. Batta, President

A CARANCIA CONTRACTOR	EHS TRAINING INSTITUTE, INC. A Division of BATTA, Inc. A Division of BATTA, Inc. Delaware Industrial Park • 6 Garfield Way Newark, DE 19713-5817 (302) 737-3376 • Fax (302) 737-5764 Course Date: February 18, 2016 Date of Expiration: February 18, 2017 Certification Number : EHSBIR 160218-006 Neeraj K. Bafta, President	Awarded To: Kelly Mayberry start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start Start	EHS TRAINING INSTITUTE, INC. <i>Autor of Completion AHERA Building Inspector</i> (Refresher)	A TO
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ACC-0215-6-024 Certificate Number	N/A Exam Date	presented by ACCESS TRAINING SERVICES, IN 7921 River Road, Pennsauken, NJ 08110 (856) 665-3449	Pennsylvania Asbesto Building Inspector Refreshe	Maryellen Leotta for successfully completing the prescribed course of study in	Certificate of Comp	
Mark K. Schläger Training Director	2/12/16 Expiration Date	08110	estos sher Course	ta se of study in	npletion	

Asbestos Hazard Emergency Response Act (AHERA) Environmental Compliance Audit Cross Reference Table

In response to the AHERA Environmental Compliance Audit a Cross Reference Table has been prepared for inclusion into the Environmental Management Plan. The purpose of this Cross Reference Table is to link the following documents to the AHERA Management Plan.

	Cross Reference Table					
3 Year Reinspection	3 Year Reinspection Report follows this Cross Reference Table documentation.					
Subject Matter	Location of Required Documents					
Designated Person	Pages 1 - 3					
Annual Notification	Pages 4 - 5					
6 Month Periodic Surveillance Outline of Events	Page 6					
3 Year Re-inspections Outline of Events	Page 7					
Asbestos Management Program (operations and maintenance)	Pages 8 - 19					
Asbestos Investigation Report (AIR)	Attachment 1 Letter Dated August 4, 2006					
Training (included in the Asbestos Management Program)	 The original records are centralized at the School District's Environmental Library. Copies are maintained on staff and are required to be maintained in the latest Reinspection Report. 2 hour awareness training records for all Building Engineers, Custodian Assistants and maintenance personnel 40 hour worker/supervisor training records for the OEMS A-Team and various AST tradesmen. 					
Response Actions (monthly mailings if applicable)	The original documents are on file at the School District's Environmenta Library. Copies of the original are mailed to the Schools Main Office for retention with the Management Plan documentation. These documents are typically kept separate from the management plan in an update binder due to the potential volume of response action reports.					

SCHOOL DISTRICT OF PHILADELPHIA

ASBESTOS DESIGNATED PERSON

Gerald F Junod Office of Capital Programs Environmental Management & Services 440 N Broad Street, 3rd Floor Philadelphia, PA 19130 Telephone: 215 400 6738 Fax: 215 400 4751

Drexel University- Asbestos Building Inspector CourseJanuary9-11, 1989 24 HoursDrexel University- Asbestos Management Planner CourseJanuary12-13, 1989 16 HoursCriterion Laboratories, Inc. - Asbestos Management Planner CourseOctober 11-12, 2012 16 Hours

Annual Building Inspector Refreshers1990 to Present4 HoursDrexel UniversityCriterion Laboratories, IncAccess Training Services, Inc.Annual Building Management Planner Refreshers4 HoursDrexel UniversityCriterion Laboratories, Inc2013 to Present4 Hours2013 to Present

Environmental Manager, School District of Philadelphia

Manages the design and implementation of asbestos and lead projects for the Capital Improvement Program and other District Departments including Facilities & Operations and Information Technology. Ensures that asbestos abatement and lead remediation projects are expertly designed and executed in accordance with industry best management practice standards and regulations.

Manager, City of Philadelphia Asbestos Control Program

Served as the Asbestos Control Program Manager for the City of Philadelphia, Department of Public Health, Air Management Services, Asbestos Control Unit from August 1, 2003 through October 23, 2006.

Mid Atlantic Regional Environmental Consortium (MAREC)

Former member with attendance and participation commitments of all quarterly EPA Region III and yearly National Asbestos Regulatory Conferences sponsored by the EPA and the National Conference of State Legislators respectively as a representative for the City of Philadelphia Department of Public Health Air Management Services from 1994 through 2006.

Philadelphia Environmental Task Force

Former member of the Philadelphia Environmental Task force as a representative and point of contact for the City of Philadelphia Department of Public Health Air Management Services Asbestos Control Unit from 2002 through 2006.

Asbestos Instructor

Worked as the primary instructor for the initial and annual Asbestos Project Inspector training and licensing program as mandated by City of Philadelphia Department of Pubic Health Asbestos Control Regulations from August 1994 through October 2006.

Worked as a lead instructor with an Environmental Consulting Firm and approved by the US EPA for the initial and annual refresher training courses for various asbestos occupational disciplines such as the Building Inspector, Management Planner and Worker/Supervisor from 1991 through 1994.

I certify that the general, local agency responsibilities as stipulated in Section 763.84 will be met.

Gerald F. Junod

Asbestos Designated Person Environmental Manager Office of Environmental Management and Services

SCHOOL DISTRICT OF PHILADELPHIA

Accreditation Information Statement

All persons who inspect for Asbestos Containing Building Materials (ACBM) and who will design or carry our response actions with respect to assumed and confirmed ACBM, will be accredited by an EPA approved course and/or a State Contractors AccreditationProgram under Sections 206 (c) and 206 (b) of Title II of the ACT.

1 0 Gerald F. Junod

Gerald F. Junod Asbestos Designated Person Environmental Manager Office of Environmental Management and Services

SCHOOL DISTRICT OF PHILADELPHIA OFFICE OF CAPITAL PROGRAMS 440 NORTH BROAD STREET, SUITE 373 PHILADELPHIA, PENNSYLVANIA 19130

OFFICE OF ENVIRONMENTAL MANAGEMENT AND SERVICES

PHONE (215)-400-4750

September 2015

- TO: Principals Building Administrators/Occupants Parents/Guardians
- FROM: Fran Burns Chief Operating Officer

Francine Locke, M.S., Director Office of Environmental Management and Services

SUBJECT: Annual EPA Notification Letter

Pursuant to the Federal Environmental Protection Agency (EPA) mandate, as required by 40 C.F.R. 763.84 (c)(d) of public access to environmental records, this letter is to acknowledge the availability of your facility's Asbestos Hazard Emergency Response Act (AHERA) Management Plan.

Each member of the school staff, parents/guardians, temporary workers and/or contractors, are required to receive a copy of the Notification Letter. At the direction of the Principal, a copy is to be posted on the bulletin boards and an appropriate amount of copies are to be generated for distribution.

<u>Note:</u> The AHERA Three-Year Reinspection reports, in colored binders; White with Pink, Tan, Black, Red, Dark Blue, Green, Yellow and White, are Federal EPA mandated inspection documents. The School District of Philadelphia is subject to severe monetary penalties if the reports and associated paperwork are not <u>available to the EPA and the public</u> upon request.

It is incumbent on designated school personnel to gather and retain this data as it is delivered, in one location for future review. Acceptable locations include the Principal's Office or Main Office for the primary data. The Building Engineer should maintain any secondary or duplicate copies.

If you have any questions, please call 215-400-4750. Thank you for your cooperation.

Fran Burns Chief Operating Officer

c: Danielle Floyd

AHERA-4 8/21/15

Francine Locke, M.S., Director Office of Environmental Management and Services



School District of Philadelphia OFFICIAL NOTICE

PLEASE POST

September 2015

- TO: Principals Building Administrators Building Engineers Building Occupants Parents/Guardians
- FROM: Fran Burns Chief Operating Officer

Francine Locke, M.S., Director Office of Environmental Management and Services

SUBJECT: <u>Annual Notification Letter</u>: Asbestos Hazard Emergency Response Act

The Federal Register published on October 30, 1987, Subpart E, in Schools: Final Rule and Notice, 763.84 (c)(d) states that each local education agency shall ensure that workers and building occupants or guardians are to be informed at least once each school year about inspections, response actions and post-response action activities including re-inspections and periodic surveillance activities. The School District as the Local Education Agency (LEA), retains such reports that are available for public inspection in the Office of the Principal or Building Administrator.

The Principal or Building Administrator is required to do the following with this notification:

- 1) Post in a Public Place or Main Office
- 2) Inform Building Occupants
- 3) Send a copy of this notification to Parents or Guardians

Insert a copy into the latest AHERA Three-Year Reinspection report (white/pink binder) 4) in your office or facility.

Fran Burns ' Chief Operating Officer

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Francine Locke, M.S., Director Office of Environmental Management and Services

c: Danielle Floyd

AHERA-4a 8/21/15

SCHOOL DISTRICT OF PHILADELPHIA Education Center 440 North Broad Street Philadelphia, Pennsylvania 19130

Office of Environmental Management and Services

215-400-4750

<u>AHERA</u> <u>Six Month Surveillance</u> <u>Outline of Events</u>

- Pursuant to the Federal Environmental Protection Agency (EPA) mandate, as required by 40 CFR 763.92(b), the following procedure is to be implemented. At least once every six (6) months after a Management Plan is in effect, each Local Education Agency (LEA) shall conduct a periodic surveillance in each building that it owns or leases that contains Asbestos Containing Building Materials (ACBM) or is assumed to contain ACBM.
- The first Bi-Annual Inspection starts in the Spring (March, April, May) and again in the Fall (October, November, December) of each year. The Building Engineer/Assistant should assist the Building Inspector with appropriate access to all areas including (Crawlspaces/Attics) and rooms in the facility. There is no action required of the Principal.
- The Building Inspector shall visually inspect all areas that are identified in the Management Plan as ACBM or assumed ACBM. The date of the surveillance is recorded, the inspectors name and any changes in the conditions of the materials.
- The Building Inspector shall make a copy of the inspection document and insert into the front of the latest Management Plan (AHERA Three Year Reinspection report). The original document is returned to the LEA's Environmental Library and filed.

SCHOOL DISTRICT OF PHILADELPHIA Education Center 440 North Broad Street Philadelphia, Pennsylvania 19130

Office of Environmental Management and Services

215-400-4750

<u>AHERA</u> <u>Three Year Reinspection</u> <u>Outline of Events</u>

- Pursuant to the Federal Environmental Protection Agency (EPA) mandate, as required by 40 CFR 763.85(b) the following procedure is to be implemented. At least once every three (3) years after a Management Plan is in effect, each Local Education Agency (LEA) shall conduct a reinspection of each building that it owns or leases that contains Asbestos Containing Building Material's (ACBM's) or is assumed to contain ACBM.
- Subsequent Three Year Re-inspections (2009, 2012, 2015, etc) shall start in the Fall (October, November, December, January). The Building Engineer/Assistant should assist the Building Inspector with appropriate access to all areas including (Crawlspaces/Attics) and rooms in the facility. There is no action required of the Principal.
- An accredited Building Inspector shall visually inspect and touch to determine friability, all areas that are identified in the Management Plan as ACBM or assumed ACBM. The date of the surveillance is recorded, the inspectors name and any changes in the conditions of the materials. The Building Inspectors state of accreditation and license number is required.
- After the inspection, the Building Inspector shall make a copy of the inspection documents and insert into the front of the latest Management Plan (AHERA Three Year Reinspection report). The original document is returned to the LEA's Environmental Library and filed.
- The Building Inspector shall return the reinspection data to the Management Planner to be assessed and determine appropriate response actions and a report issued (AHERA Three Year Reinspection report). One copy of the report is delivered to the schools Principal to be permanently retained with all previous environmental data. Another copy is retained in the LEA's Environmental Library.



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School District of Philadelphia Office of Environmental Management & Services 440 North Broad Street Philadelphia, PA 19130 (215) 400-4750

School District of Philadelphia Asbestos Management Program

TABLE OF CONTENTS

1. Introduction	De	finitionsPage 9
 3. Asbestos Management Plan Execution	1.	IntroductionPage 10
 a. Asbestos Management Plan Execution 5. Responsibilities a. OEMS b. Asbestos Worker/Supervisor "A-TEAM"Page 12 c. Asbestos Designated Person d. Supervisor or Project Manager (Capital, Maintenance & Facilities) e. Employee CapitalPage 13 f. Employee Maintenance g. Employee Facilities and Custodial 6. RequirementsPage 14 a. Employee Exposure Monitoring b. Employee Notification c. Observation of Monitoring d. Training Program e. Access of Information f. Record Kceping 7. AHERA O&M Plan		Asbestos Management Plan ExecutionPage 11
 a. OEMS b. Asbestos Worker/Supervisor "A-TEAM"Page 12 c. Asbestos Designated Person d. Supervisor or Project Manager (Capital, Maintenance & Facilities) e. Employee CapitalPage 13 f. Employee Maintenance g. Employee Maintenance g. Employee Facilities and Custodial 6. RequirementsPage 14 a. Employee Notification c. Observation of Monitoring d. Training Program e. Access of Information f. Record Keeping 7. AHERA O&M PlanPage 15 a. Controls 8. O&M Response ActionsPage 16 a. Facility Maintenance of ACM/PACM d. Planned Disturbance of ACM/PACM d. Planned Disturbance of ACM/PACM e. Miscellaneous ACM/PACMPage 17 f. Vinyl Asbestos Floor Tile g. Mastic/Adhesives h. Woven Vibration Dampers i. Other Work Practices j. Fiber Release Episodes 	4.	
 a. Employee Exposure Monitoring b. Employee Notification c. Observation of Monitoring d. Training Program e. Access of Information f. Record Keeping 7. AHERA O&M Plan	5.	 a. OEMS b. Asbestos Worker/Supervisor "A-TEAM"Page 12 c. Asbestos Designated Person d. Supervisor or Project Manager (Capital, Maintenance & Facilities) e. Employee CapitalPage 13 f. Employee Maintenance
 a. Controls 8. O&M Response ActionsPage 16 a. Facility Maintenance Isolation of Area b. Unlikely Contact with ACM/PACM c. Accidental Disturbance of ACM/PACM d. Planned Disturbance of ACM/PACM e. Miscellaneous ACM/PACMPage 17 f. Vinyl Asbestos Floor Tile g. Mastic/Adhesives h. Woven Vibration Dampers i. Other Work Practices j. Fiber Release Episodes 	6.	 a. Employee Exposure Monitoring b. Employee Notification c. Observation of Monitoring d. Training Program e. Access of Information
 a. Facility Maintenance Isolation of Area b. Unlikely Contact with ACM/PACM c. Accidental Disturbance of ACM/PACM d. Planned Disturbance of ACM/PACM e. Miscellaneous ACM/PACMPage 17 f. Vinyl Asbestos Floor Tile g. Mastic/Adhesives h. Woven Vibration Dampers i. Other Work Practices j. Fiber Release Episodes 	7.	
7. References and Resources	8.	 a. Facility Maintenance Isolation of Area b. Unlikely Contact with ACM/PACM c. Accidental Disturbance of ACM/PACM d. Planned Disturbance of ACM/PACM e. Miscellaneous ACM/PACMPage 17 f. Vinyl Asbestos Floor Tile g. Mastic/Adhesives h. Woven Vibration Dampers i. Other Work Practices

DEFINITIONS / ACRONYMS

.

ACM/PACM:	Asbestos Containing Material/Potential Asbestos Containing Material
AHERA:	Asbestos Hazard Emergency Response Act
AIR FORM:	Asbestos Inspection Report Form
Amended Water:	Water to which a surfactant (soap) has been added
AMP:	Asbestos Management Program/Asbestos Management Plan
Asbestos Designate Person	: Individual assigned by the district to oversee asbestos related issues.
Asbestos Regulated Area:	Location that is posted as an asbestos work area in which only approved and accredited personnel are permitted to enter
AST:	Asbestos Support Team involving approved and accredited school district tradespersons personnel that are school district person
A-TEAM:	School District of Philadelphia asbestos workers
CIP:	Capital Improvement Program
Consultant:	Asbestos consulting firm hired by the District
Demolition Directive:	Memorandum – August 4, 2006 from Patrick Henwood
EPA:	Environmental Protection Agency
In House Personnel:	School District of Philadelphia asbestos workers
LEA:	Local Education Agency
O&M:	Operations and Maintenance
OEMS:	Office of Environmental Management and Services
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PSD or SDP:	Philadelphia School District/School District of Philadelphia
PSIT:	Philadelphia School Improvement Team
STEL:	Short Term Exposure Limit 11

1. Introduction

The School District of Philadelphia, Asbestos Policy Statement:

"The School District of Philadelphia is dedicated to providing a safe and healthful work environment for its employees, students, faculty, contractors and visitors. In recognition of the potential health problems associated with asbestos, the School District of Philadelphia is committed to a comprehensive asbestos control program. This program is implemented and maintained through the School District of Philadelphia's Office of Environmental Management and Services (OEMS)."

OEMS has the responsibility of establishing procedures for asbestos abatement, asbestos inspection, air monitoring, renovation and demolition activities within all School District of Philadelphia owned or leased facilities.

These procedures are developed to ensure that:

- (1) People are not exposed to significant levels of asbestos fibers
- (2) Asbestos waste is handled and disposed of properly
- (3) Members of the School District of Philadelphia community have access to the Office of Environmental Management and Services for information, assistance, guidance, and interpretation regarding asbestos related matters.
- (4) Members of the School District of Philadelphia community have access to the Asbestos Management Plans as required and outlined in the US EPA AHERA regulations including annual written notification to all parents.
- (5) Compliance with all applicable Federal, State and Local Asbestos Regulations

Requirements outlined in this manual are mandatory in nature where the word "SHALL" is used and are advisory in nature where the word "SHOULD" is used.

2. Summary of Asbestos Management Program

The School District of Philadelphia's Asbestos Management Program was established to meet the requirements of Federal, State, and Local Regulations.

These regulations include, but are not limited to:

- US Environmental Protection Agency Asbestos Hazard Emergency Response Act (US EPA AHERA) and National Emissions Standard for Hazardous Air Pollutants subpart M, Part 61 (NESHAP);
- US Department of Labor, Occupational Safety and Health Administration (OSHA) General Industry Standard (29 CFR 1910.1001) and the OSHA Asbestos Standard for the Construction Industry (29 CFR 1926.1101);
- The Commonwealth of Pennsylvania, Department of Labor and Industry, Asbestos Occupations, Accreditation and Certification Act;
- The City of Philadelphia, Department of Public Health, Asbestos Control Regulations.

3. Asbestos Management Program Execution

a) General Execution

The Office of Environmental Management and Services (OEMS) develops, implements and manages safety and health programs for the School District of Philadelphia faculty, staff and students and assists with ensuring that all contractors comply with Federal, State and Local Environmental Regulations. The OEMS provides the oversight of School District of Philadelphia employees (Asbestos A-Team), environmental consultants, and asbestos abatement contractors for all projects within the School District of Philadelphia concerning Asbestos Containing Materials.

The control of safety and health hazards at the School District of Philadelphia is primarily through the implementation of engineering, work practice and administrative controls. Personal Protective Equipment (PPE) is used to supplement these controls or whenever the controls are not feasible or are in the process of being implemented. PPE is also recommended whenever exposures to chemical, physical or biological agents can be prevented or reduced by its use.

This written program establishes the procedures necessary to:

- 1) meet established standards and federal regulations for occupational exposure to asbestos fibers;
- 2) meet the requirements of the City of Philadelphia Asbestos Control Regulations which encompasses the disturbance and/or abatement of asbestos containing building materials;
- 3) provide the necessary health and safety protection to the School District of Philadelphia staff, faculty, students, contractors and visitors.

This program is strengthened by input and cooperation with the Philadelphia Federation of Teachers (PFT), Health and Welfare Fund.

4. Summary of Program Execution

a) Asbestos Management Program Execution

The Asbestos Management Program is administered by the Office of Environmental Management and Services (OEMS). OEMS provides the following services primarily through professional consultants:

- (1) exposure monitoring services;
- (2) building inspection/surveys (bulk sampling) for the identification of asbestos containing materials;
- (3) asbestos project design services;
- (4) asbestos abatement project and air monitoring services;
- (5) emergency response to fiber release episodes;
- (6) education/information;
- (7) medical monitoring;
- (8) training for School District of Philadelphia personnel

5. Responsibilities

a) Office of Environmental Management and Services

OEMS is responsible for performing the following functions:

- (1) Developing and administering of the Asbestos Management Program.
- (2) Providing asbestos-related services to all School District of Philadelphia departments.
- (3) Conducting required training of the Asbestos Management Program and working jointly with departments to schedule training.
- (4) Identifying and posting areas where labeling/signage are required.
- (5) Medical Monitoring of OEMS "A-TEAM" and other departments "AST" Asbestos Program staff.

- (6) Certification and training as required for OEMS "A-TEAM" and other departments "AST" Asbestos program staff.
- (7) Record keeping as outlined in Section 3.5 and all records as by required by US EPA AHERA regulations.

b) Asbestos Worker/Supervisor - "A-TEAM"

- (1) OEMS shall ensure that all "A-TEAM" workers/supervisors adhere to the following requirements:
 - a) Attend an initial Worker/Supervisor Asbestos Course;
 - b) Maintain the annual re-certification per EPA AHERA requirements and Commonwealth of Pennsylvania Asbestos Occupations, Accreditation and Certifications Act;
 - c) Undergo an annual Asbestos Medical Evaluation;
 - d) Undergo an annual Respirator Medical Clearance;
 - e) Undergo an annual Respirator Fit Testing.

c) Asbestos Designated Person

The Asbestos Designated Person is responsible for:

- (1) Assuring the health and safety of employees, students and visitors in the School District of Philadelphia facilities under his/her control.
- (2) Being kept informed of all areas under his or her jurisdiction where potential asbestos exposures exist and initiating protection programs that adhere to the Asbestos Management Program requirements of this manual.
- (3) Assuring that Asbestos Management Program requirements are adhered to by principal investigators, project managers, supervisors, or division heads, and School District of Philadelphia personnel under their supervision.
- (4) Ensuring that all employees within the Asbestos Management Program comply with (OSHA 1910.1001 (j) (7) (iv)) and the US EPA AHERA regulations by attending the required training.
- (5) Ensure the posting of:
 - a) Warning labels/signage
 - b) Commonwealth of Pennsylvania Asbestos Abatement and Demolition/Renovation Notification form
 - c) Asbestos Inspection Reports (AIR) form (where required)
 - d) Ensuring that Construction Projects follow the Demolition Directive procedures as outlined in the August 4, 2006 letter.

d) Supervisor or Project Manager (Capital, Maintenance and Facilities)

Each person in charge of a project, maintenance/repair, renovation/demolition, or other activity from the Departments of Capital, Maintenance, and/or Facilities, where asbestos containing material may be present is responsible for:

Identifying, with the assistance of OEMS, asbestos containing building materials prior to any disturbance of these materials. Various Federal (EPA and OSHA) and Local (City of Philadelphia Asbestos Control Regulations) require Asbestos Inspections prior to renovation/demolition activities. This shall be accomplished by always following the Asbestos Management Program Procedures as follows:

(1) Ensure that the requirements of the Asbestos Management Program Procedures are followed by all personnel, trades, and contractors who are involved with the project;

- (2) Review of the required Asbestos Inspection Report (AIR) form (Attachment 1) and AHERA Management Plan documents prior to activities that may disturb any Asbestos Containing Materials;
- (3) Perform all project related duties as outlined in the Project Management Responsibilities;
- (4) Keep the department chairperson or director informed on any actions proposed or taken regarding the Asbestos Management Plan;
- (5) Ensuring that Construction Projects follow the Demolition Directive procedure outlined in the August 4, 2006 letter.

e) Employee – Capital

School District of Philadelphia Capital employees and/or consultants shall:

- (1) Ensure that no suspect or asbestos containing building materials are disturbed in the course of the projects they are performing or managing. This shall be accomplished by notifying their supervisor and OEMS by issuance of a work order permit (a.k.a PSIT Service Request Form) and verifying that the materials which may be disturbed are non-asbestos containing. If this information is not available or verification has not been made, these materials should not be disturbed.
- (2) Immediately notify OEMS and their supervisor in the event of a potential fiber release episode upon discovery of visible damage to asbestos containing materials.
- (3) Ensuring that Construction Projects follow the Demolition Directive procedures as outlined in the August 4, 2006 letter.

The types of projects represented as part of the Capital Improvement Program are as follows:

- (1) Complete Renovation of an existing building that addresses all facility component concerns and educational program needs;
- (2) Major Renovation of an existing building addressing significant facility component and educational improvements;
- (3) Addition to an existing building (either as an attachment or stand-alone structure) to accommodate needed program space;
- (4) Conversion of an existing facility to accommodate a change in educational program;
- (5) Facility Component Improvement of specific facility needs (i.e. electrical or HVAC system upgrades, ADA improvements, life safety improvements, exterior renovations, etc.)

f) Employee – Maintenance

School District of Philadelphia Maintenance employees shall:

- (1) Ensure that no suspect or asbestos containing building materials are disturbed in the course of their duties or work they are performing. This shall be accomplished by notifying their supervisor and OEMS by issuance of a work order permit and verifying that the materials which may be disturbed are non-asbestos containing. If this information is not available or verification has not been made, these materials should not be disturbed.
- (2) Immediately notify OEMS and their supervisor in the event of a potential fiber release episode or upon discovery of visible damage to asbestos containing materials.
- (3) All employees involved in maintenance activities shall attend required Asbestos Awareness training program within 60 days of employment.

g) Employee – Facilities & Custodial

School District of Philadelphia Facilities and Custodial employees shall:

- (1) Ensure that no suspect or asbestos containing building materials are disturbed in the course of their duties or work they are performing. This shall be accomplished by notifying their supervisor and OEMS by issuance of a work permit and verifying that the materials which may be disturbed are non-asbestos containing. If this information is not available or verification has not been made, these materials should not be disturbed;
- (2) Immediately notify OEMS and their supervisor in the event of a potential fiber release episode or upon discovery of visible damage to asbestos containing materials.
- (3) All employees involved in Facilities and Custodial activities shall attend require Asbestos Awareness training program within 60 days of employment.

6. Requirements

a) Employee Exposure Monitoring

When information indicates that an employee's exposure to asbestos fibers may equal or exceed an 8-hour time-weighted average of 0.1 f/cc * (per OSHA 1910.1001 & 1926.1101), OEMS shall develop and implement an asbestos exposure monitoring program. The sampling strategy shall be designed to identify employees by work task (job classification) that is exposed to asbestos fibers that exceed an 8-hour time-weighted average of 0.1 f/cc.

b) Employee Notification

OEMS shall notify in writing, each employee exposed to asbestos fibers at or above an 8-hour time weighted average of 0.1 f/cc.

c) Observation and Monitoring

OEMS shall provide employees or their representatives with an opportunity to observe any exposure measurements conducted.

d) Training Program

OEMS shall institute a training program which meets the requirements of AHERA for all employees who perform maintenance operations in a facility/school which contains asbestos containing materials or presumed asbestos containing materials and 1910.1001 (j), and the Commonwealth of Pennsylvania Department of Labor and Industry and the City of Philadelphia Asbestos Control Regulations. The affected departments shall ensure employee participation in this program. The OEMS "A-TEAM" and other departments "AST" Asbestos Program staff training shall be conducted annually for each employee as required by all Federal, State and Local for each asbestos discipline.

All Asbestos Awareness training as required by AHERA shall be performed within 60 days of employment and shall include:

- Health effects of asbestos
- Locations of ACM and PACM in the building/facility
- Recognition of CM and PACM damage and deterioration
- o Requirements of the OSHA 1910.1001 standard relating to maintenance
- Proper response to fiber release episodes
- o Procedure to be followed to isolate areas affected by fiber release

e) Access to Information

OEMS shall make available to affected employees or their representative's copies of the Occupational Safety and Health Administration (OSHA) General Industry Standard Part 1910.1001 and the department shall post a copy in the workplace.

f) Record Keeping

OEMS shall maintain an accurate record of all employee exposure measurements. OEMS and/or the School District of Philadelphia Human Resources Department shall maintain records of employee medical monitoring program. OEMS shall maintain all employee training records. All records shall be provided upon request to employees, former employees, representatives designated by the individual employee.

a) CONTROLS

i. Work Order System

Minimizing disruption of ACM/PACM during maintenance and renovation activities is the primary goal and task encountered by OEMS. Operations and maintenance employees and contractors should be warned to avoid conducting any maintenance work which may disturb ACM/PACM. Initiating a work order system, where all work orders or requests are channeled through the Office of Environmental Management and Services (OEMS), will be the method used to control and minimize disruption of ACM/PACM.

Any work performed by in-house personnel or contractors that could or will impact ACM/PACM shall be coordinated by OEMS. A completed Asbestos Inspection Report Form (Attachment 1) shall be issued to in-house personnel and/or all contractors whose work could impact ACM/PACM. This form should accompany each contract issued to an outside contractor and posted on the jobsite.

All work order requests for maintenance and renovation activities in areas where ACM/PACM is suspected or known to be present are to be submitted to OEMS prior to proceeding with work. OEMS is responsible for reviewing asbestos survey records for information about the presence of ACM/PACM in the area where the work is to be performed. OEMS should physically inspect the area to ensure existing records reflect actual conditions. If no asbestos is present, a work order is not necessary and the planned actions can proceed. If ACM/PACM is found to be present in the area, OEMS will sign the work order application and obtain an approved and accredited asbestos contractor or assign OEMS "A-TEAM" to abate the ACM/PACM.

ii. Regulated Areas

The owner will identify and regulate all areas where airborne concentrations of ACM/PACM exceed the Permissible Exposure Limit (PEL)* (Per OSHA determined to be 0.1 f/cc) and/or short term exposure limit (STEL) (Per OSHA determined to be 0.1 f/cc), or there is reasonable possibility that the (PEL) and/or (STEL) may be exceeded. All ACM/PACM removal activities involving thermal system insulation ACM/PACM (Class I), surfacing ACM/PACM (Class I), and miscellaneous ACM/PACM such as floor tile, roofing, and siding mastic, etc. (Class II), and repair and maintenance operations where thermal system insulation and surfacing ACM/PACM is likely to be disturbed (Class III) will be performed in accordance with federal, state, and local regulations. All asbestos abatement work and activities will be designed and managed as asbestos regulated areas. These areas will be demarcated and labeled.

iii. Warning Signs

Warning signs shall be displayed at all approaches to each asbestos regulated area. The asbestos abatement contractor will provide OSHA warning signs in all regulated areas during removal, repair, and other maintenance activities. OEMS will provide AIRs to all contractors who must inform all employees and supervisors working in locations contiguous to asbestos regulated areas of the potential hazards and work practices required.

iv. Warning Labels

Warning labels and./or signage shall be affixed to all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers. Generally, the asbestos abatement contractor or OEMS A-Team personnel will provide all warning labels for ACM/PACM containment.

8. O & M RESPONSE ACTIONS

The Asbestos Management Program general O&M procedures are outlined in this section. Additional requirements specific to asbestos abatement activities are included in the Project Design documents for all Asbestos Abatement Work. Regular cleaning, inspection, and reporting of ACM/PACM deterioration or other problems must be diligently practiced by all employees including custodial and maintenance personnel.

a) Facility Maintenance Isolation of Area Responsibilities

Maintenance personnel are often required to work in areas where ACM/PACM may potentially be disturbed. Most maintenance activities are conducted by in-house staff, outside contractors, or a combination.

Emergency fiber release episodes, such as pipe fitting or valve breaks, emergency boiler work, or mechanical equipment repair will be responded to by OEMS A-Team personnel or asbestos abatement contractor personnel. The owner's maintenance staff will: (1) isolate the emergency fiber release area; (2) post warning signs to prevent unauthorized access, and (3) notify their supervisor and OEMS. OEMS will ensure that the fiber release area remains isolated and is properly cleaned by and approved and accredited abatement contractor or by OEMS A-TEAM personnel.

b) Unlikely Contact with ACM/PACM

Maintenance activities or repairs which can be performed without contacting or disturbing the ACM/PACM require little more than normal care and good workmanship. For example, valves which are either uncovered or covered with non-asbestos insulation can be packed or repaired without disturbing asbestos insulation on nearby pipes. The major precaution is to ensure that maintenance and custodial personnel are familiar with procedures such as isolating the area, posting warning signs, and notifying OEMS in the event of any accidental ACM/PACM disturbance.

c) Accidental Disturbance of ACM/PACM

Maintenance and facilities personnel shall notify OEMS any time a fiber release is suspected. If friable ACM/PACM becomes airborne in the building,

d) Planned Disturbance of ACM/PACM

Maintenance activities that may impact ACM/PACM include access to a valve, flange, duct, or related system component.

Where asbestos-containing insulation must be removed to maintain or repair the thermal system, the ACM/PACM will imminently be disturbed. ACM/PACM removal work shall be conducted by OEMS A-Team personnel or an approved and accredited asbestos abatement contractor.

If friable ACM/PACM becomes airborne in the building, maintenance and facilities personnel shall secure the area and contact OEMS. OEMS shall respond accordingly.

e) Miscellaneous ACM/PACM

Miscellaneous types of ACM/PACM may include vinyl asbestos floor tiles, mastics/adhesives and woven vibration dampers. Disturbance of these materials should be avoided. Routine maintenance activities involving these materials should not pose a problem if handled properly. Questions on the proper removal and disposal of miscellaneous ACM/PACM should be directed to OEMS. OEMS will contact an approved and accredited asbestos abatement contractor or utilize OEMS A-TEAM personnel to assist with miscellaneous ACM/PACM clean-up activities.

f) Vinyl Asbestos Floor Tile

Asbestos-containing floor tiles in good condition are considered non-friable unless they are crushed, drilled, sawed, sanded or disturbed by any activity that breaks up the material. Routine maintenance of these materials should employ the use of non-abrasive buffers and wet cleaning technique. Broken or loose floor tiles should be removed and disposed of as asbestos waste by OEMS. Remaining debris should be vacuumed with a HEPA vacuum and the area wet mopped using amended water.

g) Mastics/Adhesives

Mastics and adhesives containing asbestos in good condition are considered non-friable and do not pose a potential health concern unless crushed, drilled, sawed, sanded, or otherwise abraded. Questions on the proper removal should be directed to OEMS.

h) Woven Vibration Dampers

Woven vibration dampers in good condition are considered non-friable and do not pose a potential health concern unless cut, crushed, drilled, sawed, sanded, or otherwise abraded. Questions on the proper removal should be directed to OEMS.

i) Other Work Practices

Any special work not included in this section should be addressed to OEMS for review prior to the initiation of work that may involve the disturbance of ACM/PACM.

j) Fiber Release Episodes

Facilities and maintenance staff should report to OEMS the presence of asbestos debris, water or physical damage to ACM/PACM, or any other evidence of possible fiber release. OEMS should have the OEMS A-Team personnel or an approved and accredited abatement contractor respond to the site to clean up debris and make repairs as soon as possible. OEMS will also contact a consultant to conduct air monitoring and prepare a report and submit at project completion to OEMS for each episode. OEMS will forward the reports for each site location AHERA Management Plan accordingly.

9. REFERENCES and RESOURCES

Applicable regulations for asbestos projects impacted by renovation, demolition, and maintenance activities.

• Philadelphia Air Management Services – Asbestos Control Unit

http://www.phila.gov/health/units/ams/Asbestos/asbestos.html

• Pennsylvania Asbestos Occupations, Accreditation and Certification Act

http://www.dli.state.pa.us/landi/cwp/view.asp?a=185&q=56262&landiNav=

- United States Environmental Protection Agency Asbestos Home Page
 http://www.epa.gov/asbestos/
- Occupational Safety and Health Administration (OSHA) Asbestos Home
 http://www.osha.gov/SLTC/asbestos