



January 19, 2022

Mr. Bernie Rice  
Executive Director, Physical Properties  
Ann Arbor Public Schools  
2555 South State Street  
Ann Arbor, Michigan 48104

RE: **Project #AE210780**  
Asbestos Abatement Report  
Community High School

Dear Mr. Rice:

Per your request, Arch Environmental Group, Inc. (AEG) conducted project coordination and air monitoring activities for a small-scale, short duration asbestos abatement project at Community High School on January 14-15, 2022. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, drilled holes in asbestos ceiling plaster throughout the 1st Floor North Hallway and Main Office Hallway. The asbestos ceiling plaster was removed using Class II procedures and wet methods inside of a full negative enclosure. The asbestos ceiling plaster was properly disposed of as asbestos waste.

AEG conducted air monitoring during abatement activities during the abatement activities. The collected air samples have been analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with NIOSH 7400 Methodologies. AEG uses the following nomenclature for referencing different types of air samples:

FB	Field Blank
BL	Baseline Sample
AS	Area Sample
PS	Personal Sample
PA	Clearance (Post-Abatement) Sample

**Following a thorough visual inspection of the project area, the PCM clearance samples collected in the 1st Floor North Hallway and Main Office Hallway at Community High School on January 14-15, 2022, were analyzed below the AHERA PCM Clearance Level of 0.01 fibers per cubic centimeter (f/cc). The project areas shall be considered safe for re-occupancy.**

Arch Environmental Group, Inc. looks forward to working with you in the future and helping you to address any concerns regarding environmental health and safety. If you have any questions regarding this report, or if I can be of further assistance please feel free to contact me at (248) 426-0165.

**Project #AE210780**

Asbestos Abatement Project Report

Ann Arbor Public Schools

Community High School

Page 2

Sincerely,

**Arch Environmental Group, Inc.**  
**Environmental Services**



Sheri Carriere

Project Consultant I, healthAIR

Attachments: Asbestos Daily Project Reports  
Contractor Documentation

File: AE210780

**Attachment**  
Asbestos Daily Project Reports



## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 1/14/2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community high school		<b>Project Technician:</b> Christina Neis
<b>Location:</b> first floor hallway		<b>Abatement Contractor:</b> Environmental Maintenance Engineers, Inc.
<b>Project #:</b> AE210780		<b>Competent Person:</b> Shane Niblock

Abatement Information	Regulated Area Information	Air Sample Information
<b>OSHA Work Class</b> II	Enclosure Integrity Check (start of work shift): Yes	Air samples collected: Yes
	Corrections necessary: No	Calibrated pumps: Yes
<b>Contractor Activities</b>	Corrections made: N/A	Baseline samples (BL): N/A
Set-up procedures conducted: Yes	Enclosure Integrity Check (middle of work shift): Yes	Set-up samples (SS): N/A
Abatement procedures conducted:	Corrections necessary: No	Personal samples (8 hr TWA) (PS): Yes
Removal: Yes	Corrections made: N/A	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS): Yes
Repair: No	Corrections necessary: No	Above/Below PEL: Below
Enclosure: Yes	Corrections made: No	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): Yes
Clean up procedures: Yes	Manometer reading: 0.200	PCM Clearance samples (PA):
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: Yes
Conducted by:	Conducted by: <x>	Aggressive: N/A
# of Waste Bags: <#>	Asbestos signs in place: Yes	TEM Clearance samples (PA): N/A
Final cleaning procedures: Yes	Asbestos banner tape in place: Yes	Passed: N/A
Visual inspection: Yes	Shower operational: N/A (≤25 lf/10 sf/Intact)	Aggressive: N/A
Conducted by: christina neis	Dumpster secure at end of day: N/A	
Lock-down activities: N/A	PPE - Disposable coveralls (Contractor): Yes	<b>Personal Samples Collected On:</b>
Tear-down procedures: No	PPE - Respirators (Contractor): Yes	Name(s): <x>
	Type: HFNPR	A worker/workers who is/are representative of all workers
<b>Abatement Method(s)</b>	PPE - Disposable coveralls (Consultant): Yes	within the work area (all workers are conducting similar
Full Enclosure	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
	Did Consultant enter enclosure: N/A	
Criticals set-up: Yes	Time (A.M.): <##:## a.m. - ##:## a.m.>	<b>Required Postings</b>
Shower set-up: N/A (≤25 lf/10 sf/Intact)	Time (P.M.): <##:## p.m. - ##:## p.m.>	Notification: Yes
AFDs used: Yes		Supervisor/Competent Person Training: Yes
		OSHA Personal Sampling Posting: Yes



## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 1/14/2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community high school		<b>Project Technician:</b> Christina Neis
<b>Location:</b> first floor hallway		<b>Abatement Contractor:</b> Environmental Maintenance Engineers, Inc.
<b>Project #:</b> AE210780		<b>Competent Person:</b> Shane Niblock

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name: **Shane Niblock** Type: **Supervisor**  
 Accred #: **A43597** Training:   
 Exp. Date: **12/18/2022** Fit test:   
 Activity: **Removal of F Class II** PWO:   
 Personal #: **PS1**

Name: **Lenard donland** Type: **Supervisor**  
 Accred #: **A54663** Training:   
 Exp. Date: Fit test:   
 Activity: **Removal of F Class II** PWO:   
 Personal #: **PS1**

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name: **Bradley Atherr** Type: **Supervisor**  
 Accred #: **A45730** Training:   
 Exp. Date: **6/4/2022** Fit test:   
 Activity: **Removal of F Class II** PWO:   
 Personal #: **PS1**

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	Plaster	hall outside main office

### Additional Work Activities

Were work activities conducted that were not included in original scope-of-work or that need to be tracked on a T&M basis?

No



**ASBESTOS DAILY PROJECT REPORTS**  
**Air Sample Analysis Information**

<b>Client:</b>	Ann Arbor Public Schools	<b>Samples Collected By:</b>	Christina Neis
<b>Building:</b>	Community high school	<b>Sample Collection Date:</b>	1/14/2022
<b>Location:</b>	first floor hallway	<b>Samples Analyzed By:</b>	Christina Neis
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	1/14/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm <sup>2</sup> )
FB1	Sample prepared on-site.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	1.27
AS1	first floor outside music practice rooms	7:00pm	170	8.780	1493	0.007	26.75
		9:50pm					

AHERA PCM Clearance Level = 0.010 f/cc

AHERA TEM Clearance Level = 70 AS/mm<sup>2</sup>

State of Michigan PCM Clearance Level = 0.050 f/cc

Project Area Clearance Information

N/A



**ASBESTOS DAILY PROJECT REPORTS**  
**OSHA Personal Air Sample Analysis**

<b>Client:</b> Ann Arbor Public Schools	<b>Samples Collected By:</b> Christina Neis
<b>Building:</b> Community high school	<b>Sample Collection Date:</b> 1/14/2022
<b>Location:</b> first floor hallway	<b>Samples Analyzed By:</b> Christina Neis
<b>Project #:</b> AE210780	<b>Sample Analysis Date:</b> 1/14/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm <sup>2</sup> )
PS1 Series	first floor hallway	7:30pm	138	2.0	276	0.030	*
		9:32pm				0.009	
Activity:	Removing Plaster						
ps1	on bradley altherr	7:30pm	30	2.0	60	0.057	10.19
		8:00pm					
ps2	on bradley altherr	8:00pm	108	2.0	216	0.023	14.01
		9:48 AM					

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA

OSHA STEL Limit = 1.0 f/cc

\* = 8 hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 1/15/22/	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Sheri Carriere
<b>Location:</b> N/E Section of First Floor Hallway		<b>Abatement Contractor:</b> Environmental Maintenance Engineers, Inc.
<b>Project #:</b> AE210780		<b>Competent Person:</b> Shane Niblock

Abatement Information	Regulated Area Information	Air Sample Information
<b>OSHA Work Class</b> II	Enclosure Integrity Check (start of work shift): Yes	Air samples collected: Yes
	Corrections necessary: No	Calibrated pumps: Yes
<b>Contractor Activities</b>	Corrections made: N/A	Baseline samples (BL): Yes
Set-up procedures conducted: Yes	Enclosure Integrity Check (middle of work shift): Yes	Set-up samples (SS): N/A
Abatement procedures conducted:	Corrections necessary: No	Personal samples (8 hr TWA) (PS): Yes
Removal: Yes	Corrections made: N/A	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS): Yes
Repair: No	Corrections necessary: No	Above/Below PEL: Below
Enclosure: Yes	Corrections made: No	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): Yes
Clean up procedures: Yes	Manometer reading: 0.200	PCM Clearance samples (PA): Yes
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: Yes
Conducted by: Sheri Carriere	Conducted by: <x>	Aggressive: Yes
# of Waste Bags: 5	Asbestos signs in place: Yes	TEM Clearance samples (PA): N/A
Final cleaning procedures: Yes	Asbestos banner tape in place: Yes	Passed: N/A
Visual inspection: Yes	Shower operational: N/A (≤25 lf/10 sf/Intact)	Aggressive: N/A
Conducted by: Sheri Carriere	Dumpster secure at end of day: N/A	
Lock-down activities: N/A	PPE - Disposable coveralls (Contractor): Yes	<b>Personal Samples Collected On:</b>
Tear-down procedures: No	PPE - Respirators (Contractor): Yes	Name(s): Erik Richardson
	Type: HFNPR	A worker/workers who is/are representative of all workers
<b>Abatement Method(s)</b>	PPE - Disposable coveralls (Consultant): Yes	within the work area (all workers are conducting similar
Full Enclosure	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
	Did Consultant enter enclosure: N/A	
Criticals set-up: Yes	Time (A.M.): <##:## a.m. - ##:## a.m.>	<b>Required Postings</b>
Shower set-up: N/A (≤25 lf/10 sf/Intact)	Time (P.M.): <##:## p.m. - ##:## p.m.>	Notification: Yes
AFDs used: Yes		Supervisor/Competent Person Training: Yes
		OSHA Personal Sampling Posting: Yes





## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 1/15/22/	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High school		<b>Project Technician:</b> Sheri Carriere
<b>Location:</b> N/E Section of First Floor Hallway		<b>Abatement Contractor:</b> Environmental Maintenance Engineers, Inc.
<b>Project #:</b> AE210780		<b>Competent Person:</b> Shane Niblock

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name: **Shane Niblock** Type: **Supervisor**  
 Accred #: **A43597** Training: **10/24/2022**  
 Exp. Date: **12/18/2022** Fit test:  
 Activity: **Supervisor** PWO:  
 Personal #: **N/A (No abate. activities)**

Name: **Tom Ptak** Type: **Supervisor**  
 Accred #: **A16288** Training: **10/17/2022**  
 Exp. Date: **1/15/2022** Fit test:  
 Activity: **Removal of F Class II** PWO:  
 Personal #: **PS1**

Name: **Erik Richardson** Type: **Supervisor**  
 Accred #: **A52387** Training: **5/15/2022**  
 Exp. Date: **6/5/2022** Fit test:  
 Activity: **Removal of F Class II** PWO:  
 Personal #: **PS1**

Name: **Brad Altherr** Type: **Worker**  
 Accred #: **A45730** Training: **5/15/2022**  
 Exp. Date: **6/4/2022** Fit test:  
 Activity: **Removal of F Class II** PWO:  
 Personal #: **PS1**

Name: **Lenny Dolland** Type: **Supervisor**  
 Accred #: **A54663** Training: **5/15/2022**  
 Exp. Date: **5/30/2022** Fit test:  
 Activity: **Removal of F Class II** PWO:  
 Personal #: **PS1**

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name: Type: Supervisor  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

Name: Type:  
 Accred #: Training:  
 Exp. Date: Fit test:  
 Activity: PWO:  
 Personal #:

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	Plaster	North First Floor Hallway

### Additional Work Activities

Were work activities conducted that were not included in original scope-of-work or that need to be tracked on a T&M basis?  
  
No



**ASBESTOS DAILY PROJECT REPORTS**  
**Air Sample Analysis Information**

<b>Client:</b> Ann Arbor Public Schools	<b>Samples Collected By:</b> Sheri Carriere
<b>Building:</b> Community High school	<b>Sample Collection Date:</b> 1/15/22/
<b>Location:</b> N/E Section of First Floor Hallway	<b>Samples Analyzed By:</b> Sheri Carriere
<b>Project #:</b> AE210780	<b>Sample Analysis Date:</b> 1/15/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm <sup>2</sup> )
FB1	Sample prepared on-site.	--	--	--	--	--	0.00
FB2	Sample prepared on-site.	--	--	--	--	--	0.00
AS1	Collected in the north end of the first floor hallway	9:15AM	90	8.000	720	0.005	9.55
		10:45AM					
BL1	Collected on the second floor near Room 213	11:15AM	130	14.740	1916	0.001	3.82
		1:25PM					
BL2	Collected on the third floor near Room 303	11:20AM	130	14.750	1918	0.001	3.18
		1:30PM					
PA1	Collected in the northeast end of the first floor hallway	8:45AM	135	15.52	2095	0.004	19.75
		11:00AM					
PA2	Collected in the center of the first floor hallway	8:45AM	135	14.75	1991	0.005	23.57
		11:00AM					
PA3	Collected in the southeast end of the first floor hallway	8:45AM	135	14.74	1990	0.005	26.11
		11:00AM					
PA4	Collected in the center of the north hallway near Room 116	11:05AM	130	15.52	2018	0.001	7.64
		1:15PM					

AHERA PCM Clearance Level = 0.010 f/cc  
 AHERA TEM Clearance Level = 70 AS/mm<sup>2</sup>  
 State of Michigan PCM Clearance Level = 0.050 f/cc

**Project Area Clearance Information**

Passed



**ASBESTOS DAILY PROJECT REPORTS**  
**OSHA Personal Air Sample Analysis**

<b>Client:</b>	Ann Arbor Public Schools	<b>Samples Collected By:</b>	Sheri Carriere
<b>Building:</b>	Community High school	<b>Sample Collection Date:</b>	1/15/22/
<b>Location:</b>	N/E Section of First Floor Hallway	<b>Samples Analyzed By:</b>	Sheri Carriere
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	1/15/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm <sup>2</sup> )
PS1 Series	Collected on Erik Richardson	9:15AM	90	2.0	180	0.030	*
		10:45AM				0.006	
Activity:	During the removal of plaster material						
STELPS1	Collected on Erik Richardson	9:15AM	30	2.0	60	0.045	4.46
		9:45AM					
PS1R1	Collected on Erik Richardson	9:45AM	60	2.0	120	0.022	6.37
		10:45AM					

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA

OSHA STEL Limit = 1.0 f/cc

\* = 8 hr Time Weighted Average

**Attachment**  
Contractor Documentation