



March 8, 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 March 4-5, 2022. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, drilled holes asbestos ceiling plaster to install unistruts in the 1st and 2nd Floor Hallways, Library and Clinic. 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
SS	Set-Up 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 and 2nd Floor Hallways, Library and Clinic at Community High School on March 4-5, 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

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Sincerely,

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



Tinh Nguyen

Field Technician, 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> 3.4.2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Thinkh Nguyen
<b>Location:</b> Second floor corridor, library, clinic		<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: no	Baseline samples (BL): No
Set-up procedures conducted: Yes	Enclosure Integrity Check (middle of work shift): Yes	Set-up samples (SS): Yes
Abatement procedures conducted:	Corrections necessary: No	Personal samples (8 hr TWA) (PS): No
Removal: Yes	Corrections made: No	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS): No
Repair: No	Corrections necessary: No	Above/Below PEL: Below
Enclosure: No	Corrections made: No	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): No
Clean up procedures: Yes	Manometer reading: <#>	PCM Clearance samples (PA): No
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: N/A
Conducted by: <x>	Conducted by: <x>	Aggressive: N/A
# of Waste Bags: <#>	Asbestos signs in place: Yes	TEM Clearance samples (PA): No
Final cleaning procedures: Yes	Asbestos banner tape in place: Yes	Passed: N/A
Visual inspection: Yes	Shower operational: Yes	Aggressive: N/A
Conducted by:	Dumpster secure at end of day: Yes	
Lock-down activities: Yes	PPE - Disposable coveralls (Contractor): Yes	<b>Personal Samples Collected On:</b>
Tear-down procedures: Yes	PPE - Respirators (Contractor): Yes	Name(s):
	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)
Non-Friable Project	Type: HFNPR	
		<b>Required Postings</b>
Criticals set-up: Yes	Did Consultant enter enclosure: No	Notification: Yes
Shower set-up: No - Per Contractor	Time (A.M.): <##:## a.m. - ##:## a.m.>	Supervisor/Competent Person Training: Yes
AFDs used: Yes	Time (P.M.): <##:## p.m. - ##:## p.m.>	OSHA Personal Sampling Posting: Yes



## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 3.4.2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Thinkh Nguyen
<b>Location:</b> Second floor corridor, library, clinic		<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:	Supervisor	PWO:	
Personal #:	N/A (No abate. activities)		

Name:	Bradley Altherr	Type:	Worker
Accred #:	A45730	Training:	
Exp. Date:	6/4/2022	Fit test:	
Activity:	Removal of misc. NF	PWO:	
Personal #:	PS1		

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

### Abatement Personnel Information

#### Workers / Accreditation Numbers

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	10	Second floor South Hallway, Library, Clinic
Other Class II	8	Second Floor North 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>Building:</b> Community High School <b>Location:</b> Second floor corridor, library, clinic <b>Project #:</b> AE210780	<b>Samples Collected By:</b> Tinh Nguyen <b>Sample Collection Date:</b> 3.4.2022 <b>Samples Analyzed By:</b> Tinh Nguyen <b>Sample Analysis Date:</b> 3.4.2022
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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.	--	--	--	--	--	3.82
FB2	Sample prepared on-site.	--	--	--	--	--	1.27
SS1	Second floor hallway outside main office	5:30 PM	150	8.580	1287	0.002	10.19
		8:00 PM					
SS2	Second floor hallway outside main office	8:00 PM	165	8.580	1416	0.002	10.83
		10:45 PM					

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 On-Site Activity Summary

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 3.5.2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Thinkh Nguyen
<b>Location:</b> Second floor corridor, library, clinic		<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: no	Baseline samples (BL): No
Set-up procedures conducted: Yes	Enclosure Integrity Check (middle of work shift): Yes	Set-up samples (SS): No
Abatement procedures conducted:	Corrections necessary: No	Personal samples (8 hr TWA) (PS): No
Removal: Yes	Corrections made: No	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS): No
Repair: No	Corrections necessary: No	Above/Below PEL: Below
Enclosure: No	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: <#>	PCM Clearance samples (PA): Yes
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: Yes
Conducted by: <x>	Conducted by: <x>	Aggressive: Yes
# of Waste Bags: <#>	Asbestos signs in place: Yes	TEM Clearance samples (PA): No
Final cleaning procedures: Yes	Asbestos banner tape in place: Yes	Passed: N/A
Visual inspection: Yes	Shower operational: Yes	Aggressive: N/A
Conducted by:	Dumpster secure at end of day: Yes	
Lock-down activities: Yes	PPE - Disposable coveralls (Contractor): Yes	<b>Personal Samples Collected On:</b>
Tear-down procedures: Yes	PPE - Respirators (Contractor): Yes	Name(s): Bradley Altherr
	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)
Non-Friable Project	Type: HFNPR	
		<b>Required Postings</b>
Criticals set-up: Yes	Did Consultant enter enclosure: No	Notification: Yes
Shower set-up: No - Per Contractor	Time (A.M.): <###:## a.m. - ##:## a.m.>	Supervisor/Competent Person Training: Yes
AFDs used: Yes	Time (P.M.): <###:## p.m. - ##:## p.m.>	OSHA Personal Sampling Posting: Yes



## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 3.5.2022	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Thinkh Nguyen
<b>Location:</b> Second floor corridor, library, clinic		<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:	Supervisor	PWO:	
Personal #:	N/A (No abate. activities)		

Name:	Bradley Altherr	Type:	Worker
Accred #:	A45730	Training:	
Exp. Date:	6/4/2022	Fit test:	
Activity:	Removal of misc. NF	PWO:	
Personal #:	PS1		

Name:	Brent Cheney	Type:	Supervisor
Accred #:	A41305	Training:	
Exp. Date:	5/25/2022	Fit test:	
Activity:	Removal of misc. NF	PWO:	
Personal #:	PS1		

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name:	Erik Richardson	Type:	Supervisor
Accred #:	A52387	Training:	
Exp. Date:	6/5/2022	Fit test:	
Activity:	Removal of misc. NF	PWO:	
Personal #:	PS1		

Name:	Thomas Ptak	Type:	Supervisor
Accred #:	A16288	Training:	
Exp. Date:	1/15/2023	Fit test:	
Activity:	Equipment & supplies	PWO:	
Personal #:	PS1		

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

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	10	Second floor South Hallway, Library, Clinic
Other Class II	8	Second Floor North 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>	Thinh Nguyen
<b>Building:</b>	Community High School	<b>Sample Collection Date:</b>	3.5.2022
<b>Location:</b>	Second floor corridor, library, clinic	<b>Samples Analyzed By:</b>	Thinh Nguyen
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	3.5.2022

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.	--	--	--	--	--	3.82
FB2	Sample prepared on-site.	--	--	--	--	--	1.27
AS1	Second floor hallway outside main office	8:45 AM	150	8.580	1287	0.003	12.10
		11:15 AM					
AS1R1	Second floor hallway outside main office	11:15 AM	120	8.580	1030	0.004	14.01
		1:15 PM					
AS1R2	Second floor hallway outside main office	1:15 PM	135	8.580	1158	0.002	8.28
		3:30 PM					
PA1	In Media Center under penetration	11:00 AM	135	14.62	1974	0.003	19.75
		1:15 PM					
PA2	In second floor north hallway	11:15 AM	135	14.56	1966	0.002	12.10
		1:30 PM					
PA3	In Clinic	12:00 PM	135	14.2	1917	0.002	12.74
		2:15 PM					
PA4	In Second floor south hallway	12:30 PM	135	14.4	1944	0.004	24.20
		2:45 PM					

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> Tinh Nguyen
<b>Building:</b> Community High School	<b>Sample Collection Date:</b> 3.5.2022
<b>Location:</b> Second floor corridor, library, clinic	<b>Samples Analyzed By:</b> Tinh Nguyen
<b>Project #:</b> AE210780	<b>Sample Analysis Date:</b> 3.5.2022

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	Bradley Altherr	9:00 AM	270	2.0	540	0.027	*
		1:30 PM				0.015	
Activity:	Installation of unistruts						
PS1	Bradley Altherr	9:00 AM	30	2.0	60	0.057	11.46
		9:30 AM					
PS1R1	Bradley Altherr	9:30 AM	135	2.0	270	0.022	17.83
		11:45 AM					
PS1R2	Bradley Altherr	11:45 AM	105	2.0	210	0.025	15.92
		1:30 PM					

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