



January 3, 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 December 20 -23, 2021. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, removed and disposed of asbestos ceiling plaster in the 1st Floor Locker Room, Showers, South Hallway and West Hall Custodial Closet. 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
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 Locker Room, Showers, South Hallway and West Hall Custodial Closet at Community High School on December 20 -23, 2021, 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  
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Sincerely,

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



Gary Bosh  
Project Consultant II, 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> 12.20.2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Thinkh Nguyen
<b>Location:</b> First floor locker room		<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) Yes
Removal: Yes	Corrections made: No	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS) Yes
Repair: No	Corrections necessary: Yes	Above/Below PEL: Below
Enclosure: No	Corrections made: Yes	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: <x>	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): Patrick O'Boyle
	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: Yes	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> 12.20.2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Tinh Nguyen
<b>Location:</b> First floor locker room		<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: **12/18/2021** Fit test:   
 Activity: **Supervisor** PWO:   
 Personal #: **N/A (No abate. activities)**

Name: **Patrick O'Boyle** Type: **Supervisor**  
 Accred #: **A50125** Training:   
 Exp. Date: **3/14/2022** Fit test:   
 Activity: **Removal of ceilings** PWO:   
 Personal #: **PS1**

Name: **Lenny Dolland** Type: **Supervisor**  
 Accred #: **A54663** Training:   
 Exp. Date:  Fit test:   
 Activity: **Removal of ceilings** PWO:   
 Personal #: **PS1**

Name: **Jason Howard** Type: **Supervisor**  
 Accred #: **A42060** Training:   
 Exp. Date: **9/30/2022** Fit test:   
 Activity: **Removal of ceilings** PWO:   
 Personal #: **PS1**

### Abatement Personnel Information

#### Workers / Accreditation Numbers

Name: **Tony Gillow** Type: **Supervisor**  
 Accred #: **A38685** Training:   
 Exp. Date:  Fit test:   
 Activity: **Removal of ceilings** 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 #:

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

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	100	1st floor locker room

### 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> First floor locker room <b>Project #:</b> AE210780	<b>Samples Collected By:</b> Tinh Nguyen <b>Sample Collection Date:</b> 12.20.2021 <b>Samples Analyzed By:</b> Tinh Nguyen <b>Sample Analysis Date:</b> 12.20.2021
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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.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	2.55
SS1	Outside locker room door	8:30 AM	150	8.580	1287	0.004	16.56
		11:00 AM					
AS1	Outside locker room door	11:00 AM	210	8.580	1802	0.002	10.19
		2:30 PM					
AS1R1	Outside locker room door	2:30 PM	60	8.580	515	0.007	11.46
		3:30 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**  
**OSHA Personal Air Sample Analysis**

<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>	12.20.2021
<b>Location:</b>	First floor locker room	<b>Samples Analyzed By:</b>	Thinh Nguyen
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	12.20.2021

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	Patrick O'Boyle	1:00 PM	150	2.0	300	0.054	*
		3:30 PM				0.017	
Activity:	Removing ceiling plaster						
PS1	Patrick O'Boyle	1:00 PM	60	2.0	120	0.039	14.01
		2:00 PM					
PS1R1	Patrick O'Boyle	2:00 PM	30	2.0	60	0.094	16.56
		2:30 PM					
PS1R2	Patrick O'Boyle	2:30 PM	60	2.0	120	0.049	17.20
		3:30 PM					

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

OSHA STEL Limit = 1.0 f/cc

\* = 8 hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 12/21/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Eric Mayo
<b>Location:</b> First Floor Showers Near Gymnasium		<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> I	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): 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): 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: No	Corrections made: N/A	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): Yes
Clean up procedures: Yes	Manometer reading: 0.020	PCM Clearance samples (PA): No
Waste bags checked: Yes	Smoke testing conducted: No - Per Contractor	Passed: N/A
Conducted by: Eric Mayo	Conducted by: <x>	Aggressive: N/A
# of Waste Bags: 58	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: N/A	Shower operational: Yes	Aggressive: N/A
Conducted by: <x>	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: No	PPE - Respirators (Contractor): Yes	Name(s): Anthony Gillow
	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
Non-Friable Project	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
		<b>Required Postings</b>
Criticals set-up: Yes	Did Consultant enter enclosure: Yes	Notification: Yes
Shower set-up: Yes	Time (A.M.): 7:30 a.m. - 7:35 a.m.	Supervisor/Competent Person Training: Yes
AFDs used: Yes	Time (P.M.): 3:25 p.m. - 3:30 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> 12/21/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Eric Mayo
<b>Location:</b> First Floor Showers Near Gymnasium		<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: Leonard Dolland, Jr.      Type: Supervisor  
 Accred #: A54663      Training:   
 Exp. Date: 5/30/2022      Fit test:   
 Activity: Removal of ceilings      PWO:   
 Personal #: PS1

Name: Anthony Gillow      Type: Supervisor  
 Accred #: A38685      Training:   
 Exp. Date: 6/3/2022      Fit test:   
 Activity: Removal of ceilings      PWO:   
 Personal #: PS1

Name: Patrick O'Boyle      Type: Supervisor  
 Accred #: A50125      Training:   
 Exp. Date: 3/14/2022      Fit test:   
 Activity: Removal of ceilings      PWO:   
 Personal #: PS1

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

### 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 #:

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

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	200 sf	First Floor Showers by Gymnasium

### 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> First Floor Showers Near Gymnasium <b>Project #:</b> AE210780	<b>Samples Collected By:</b> Eric Mayo <b>Sample Collection Date:</b> 12/21/2021 <b>Samples Analyzed By:</b> Eric Mayo <b>Sample Analysis Date:</b> 12/21/2021
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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.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	2.55
AS1	Outside downstairs shower	7:45 AM	180	8.580	1544	0.003	13.38
		10:45 AM					
AS2	Outside downstairs shower	10:45 AM	180	8.580	1544	0.002	7.64
		1:45 PM					
AS3	Outside downstairs shower	1:45 PM	165	8.580	1416	0.002	10.19
		4:30 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**  
**OSHA Personal Air Sample Analysis**

<b>Client:</b>	Ann Arbor Public Schools	<b>Samples Collected By:</b>	Eric Mayo
<b>Building:</b>	Community High School	<b>Sample Collection Date:</b>	12/21/2021
<b>Location:</b>	First Floor Showers Near Gymnasium	<b>Samples Analyzed By:</b>	Eric Mayo
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	12/21/2021

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	Anthony Gillow	7:45 AM	425	2.0	850	0.026	*
		4:30 PM				0.023	
Activity:		Removal of plaster ceilings					
PS1	Anthony Gillow	7:45 AM	30	2.0	60	0.045	1.91
		8:15 AM					
PS1R1	Anthony Gillow	8:15 AM	120	2.0	240	0.016	12.10
		10:15 AM					
PS1R2	Anthony Gillow	10:15 AM	90	2.0	180	0.026	14.01
		11:45 AM					
PS1R3	Anthony Gillow	1:25 PM	120	2.0	240	0.026	17.83
		3:25 PM					
PS1R4	Anthony Gillow	3:25 PM	65	2.0	130	0.036	14.01
		4:30 PM					

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

OSHA STEL Limit = 1.0 f/cc

\* = 8 hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

<b>Client:</b> Ann Arbor Public Schools	<b>Date:</b> 12/22/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Gary C.Bosh
<b>Location:</b> Boys Locker Room		<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) Yes
Removal: Yes	Corrections made: No	Above/Below PEL: Below
Encapsulation: No	Enclosure Integrity Check (end of work shift): Yes	Personal samples (STEL) (PS) Yes
Repair: No	Corrections necessary: Yes	Above/Below PEL: Below
Enclosure: No	Corrections made: Yes	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS) Yes
Clean up procedures: Yes	Manometer reading: 0.003	PCM Clearance samples (PA) Yes
Waste bags checked: Yes	Smoke testing conducted: No - Per Contractor	Passed: Yes
Conducted by: GCB	Conducted by: <x>	Aggressive: Yes
# of Waste Bags: 10	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: GCB	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): Tony Gillow
	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	
		<b>Required Postings</b>
Criticals set-up: Yes	Did Consultant enter enclosure: No	Notification: Yes
Shower set-up: Yes	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> 12/22/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Gary C.Bosh
<b>Location:</b> Boys Locker Room		<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: **12/18/2021** Fit test:   
 Activity: **Supervisor** PWO:   
 Personal #:

Name: **Tony Gillow** Type:   
 Accred #: **A38685** Training:   
 Exp. Date:  Fit test:   
 Activity:  PWO:   
 Personal #:

Name: **Pat o'Boyle** Type:   
 Accred #: **A50125** Training:   
 Exp. Date: **3/14/2022** Fit test:   
 Activity:  PWO:   
 Personal #:

Name: **Leonard Dollard** Type:   
 Accred #: **A54663** 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 #:

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

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class I	40sf	Boys Lockerroom
Other Class I	20 sf	1st Floor South 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>	Gary C. Bosh
<b>Building:</b>	Community High School	<b>Sample Collection Date:</b>	12/22/2021
<b>Location:</b>	Boys Locker Room	<b>Samples Analyzed By:</b>	Gary C. Bosh
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	12/22/2021

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.	--	--	--	--	--	2.55
AS1	Located Outside Decon Shower.	7:30 AM	120	7.955	955	0.003	9.55
		9:30 AM					
AS2	Located Outside Decon Shower.	9:30 AM	80	7.955	636	0.004	5.10
		10:50 AM					
AS3	Located Outside Decon Shower.	1:00 PM	120	7.955	955	0.003	7.64
		3:00 PM					
PA1	Located in center of lockerroom.	10:50 AM	140	14.62	2047	0.001	6.37
		1:10 PM					
PA2	Located in northeast corner of lockerroom.	10:51 AM	140	14.56	2038	0.001	5.73
		1:11 PM					
PA3	Located in southeast corner of lockerroom.	10:52 AM	140	14.73	2062	0.001	3.82
		1:12 PM					
PA4	Located in northwest corner of lockerroom.	10:53 AM	140	16.6	2324	0.001	7.64
		1:13 PM					
PA5	Located in southwest corner of lockerroom.	10:54 AM	140	14.91	2087	0.001	5.73
		1:14 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>	Gary C. Bosh
<b>Building:</b>	Community High School	<b>Sample Collection Date:</b>	12/22/2021
<b>Location:</b>	Boys Locker Room	<b>Samples Analyzed By:</b>	Gary C. Bosh
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	12/22/2021

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm <sup>2</sup> )
<b>PS1 Series</b>	Collected on Tony Gillo.	7:30 AM	320	2.0	640	0.024	*
						0.016	
<b>Activity:</b>	Removing Non-Acm Plaster						
<b>PS1</b>	Collected on Tony Gillo.	7:30 AM	90	2.0	180	0.015	7.64
		9:00 AM					
<b>PS1R1</b>	Collected on Tony Gillo.	9:00 AM	80	2.0	160	0.017	3.18
		10:20 AM					
<b>StPS1R2</b>	Collected on Tony Gillo.	10:20 AM	30	2.0	60	0.045	3.82
		10:50 AM					
<b>PS1R3</b>	Collected on Tony Gillo.	1:00 PM	60	2.0	120	0.027	10.19
		2:00 PM					
<b>PS1R4</b>	Collected on Tony Gillo.	2:00 PM	60	2.0	120	0.033	12.10
		3:00 PM					

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> 12/23/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Eric Mayo
<b>Location:</b> First floor west hallway, west hallway custodial closet		<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> I	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): 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): 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: No	Corrections made: N/A	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): No
Clean up procedures: Yes	Manometer reading: 0.020	PCM Clearance samples (PA): Yes
Waste bags checked: Yes	Smoke testing conducted: No - Per Contractor	Passed: Yes
Conducted by: Eric Mayo	Conducted by: <x>	Aggressive: Yes
# of Waste Bags: 5	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: Eric Mayo	Dumpster secure at end of day: Yes	
Lock-down activities: No - Per Contractor	PPE - Disposable coveralls (Contractor): Yes	<b>Personal Samples Collected On:</b>
Tear-down procedures: No	PPE - Respirators (Contractor): Yes	Name(s): Anthony Gillow
	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
Non-Friable Project	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
		<b>Required Postings</b>
Criticals set-up: Yes	Did Consultant enter enclosure: Yes	Notification: Yes
Shower set-up: Yes	Time (A.M.): 7:30 a.m. - 7:35 a.m.	Supervisor/Competent Person Training: Yes
AFDs used: Yes	Time (P.M.): 11:55 a.m. - 12:00 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> 12/23/2021	<b>Consultant:</b> Arch Environmental Group, Inc.
<b>Building:</b> Community High School		<b>Project Technician:</b> Eric Mayo
<b>Location:</b> First floor west hallway, west hallway custodial closet		<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: Leonard Dolland, Jr. Type: Supervisor  
 Accred #: A54663 Training: [Redacted]  
 Exp. Date: 5/30/2022 Fit test: [Redacted]  
 Activity: Removal of ceilings PWO: [Redacted]  
 Personal #: PS1

Name: Anthony Gillow Type: Supervisor  
 Accred #: A38685 Training: [Redacted]  
 Exp. Date: 6/3/2022 Fit test: [Redacted]  
 Activity: Removal of ceilings PWO: [Redacted]  
 Personal #: PS1

Name: Shane Niblock Type: Supervisor  
 Accred #: A43597 Training: [Redacted]  
 Exp. Date: 12/18/2022 Fit test: [Redacted]  
 Activity: Supervisor PWO: [Redacted]  
 Personal #: PS1

### 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	50 sf	West hallway custodial closet

### 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> Eric Mayo
<b>Building:</b> Community High School	<b>Sample Collection Date:</b> 12/23/2021
<b>Location:</b> First floor west hallway, west hallway custodial closet	<b>Samples Analyzed By:</b> Eric Mayo
<b>Project #:</b> AE210780	<b>Sample Analysis Date:</b> 12/23/2021

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.	--	--	--	--	--	5.10
FB2	Sample prepared on-site.	--	--	--	--	--	4.46
PA1	First floor west hallway	8:30 AM	140	14.56	2038	0.001	10.83
		10:50 AM					
PA2	West hallway custodial closet	9:35 AM	140	14.62	2047	0.002	14.65
		11:55 AM					
PA3	Room 105	10:55 AM	140	14.56	2038	0.003	18.47
		1:15 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>	Eric Mayo
<b>Building:</b>	Community High School	<b>Sample Collection Date:</b>	12/23/2021
<b>Location:</b>	First floor west hallway, west hallway custodial closet	<b>Samples Analyzed By:</b>	Eric Mayo
<b>Project #:</b>	AE210780	<b>Sample Analysis Date:</b>	12/23/2021

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	Anthony Gillow	9:00 AM	110	2.0	220	0.033	*
		10:50 AM				0.008	
Activity:	Removal of plaster ceilings						
PS1	Anthony Gillow	9:00 AM	30	2.0	60	0.051	12.74
		9:30 AM					
PS1R1	Anthony Gillow	9:30 AM	80	2.0	160	0.027	15.92
		10:50 AM					

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