



January 11, 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 7-8, 2022. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, removed and disposed of asbestos ceiling plaster in the 1st Floor Hallways, Kiln Room, Cafe and Gym. 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 Floor Hallways, Kiln Room, Cafe and Gym at Community High School on January 7-8, 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.

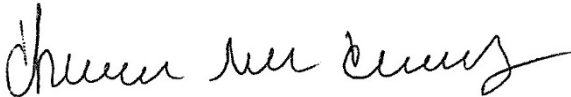
Arch Environmental Group, Inc. looks forward to working with you in the future and helping you to address any concerns regarding environmental health and safety. If you have any questions regarding this report, or if I can be of further assistance please feel free to contact me at (248) 426-0165.

Project #AE210780

Asbestos Abatement Project Report
Ann Arbor Public Schools
Community High School
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Sincerely,

Arch Environmental Group, Inc.
Environmental Services



Christina Neis Crossley
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

Client: Ann Arbor Public Schools	Date: 1/7/2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: christina neis
Location: first floor hallways and classrooms/gym		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: shane niblock

Abatement Information	Regulated Area Information	Air Sample Information
OSHA Work Class II	Enclosure Integrity Check (start of work shift): Yes	Air samples collected: Yes
	Corrections necessary: No	Calibrated pumps: Yes
Contractor Activities	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): Yes
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: N/A	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): Yes
Clean up procedures: Yes	Manometer reading: 0.200	PCM Clearance samples (PA): N/A
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: N/A
Conducted by: christna neis	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: christina neis	Dumpster secure at end of day: N/A	
Lock-down activities: N/A	PPE - Disposable coveralls (Contractor): Yes	Personal Samples Collected On:
Tear-down procedures: Yes	PPE - Respirators (Contractor): Yes	Name(s): Bradley altherr
	Type: HFNPR	A worker/workers who is/are representative of all workers
Abatement Method(s)	PPE - Disposable coveralls (Consultant): Yes	within the work area (all workers are conducting similar
Full Enclosure	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
		Required Postings
Criticals set-up: Yes	Did Consultant enter enclosure:	Notification:
Shower set-up: Yes	Time (A.M.): <##:## a.m. - ##:## a.m.>	Supervisor/Competent Person Training:
AFDs used: Yes	Time (P.M.): <##:## p.m. - ##:## p.m.>	OSHA Personal Sampling Posting:



ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools	Date: 1/7/2022	Consultant: Arch Environmental Group, Inc.
Building: Community High school		Project Technician: christina neis
Location: first floor hallways and classrooms/gym		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: 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: Supervisor
 Accred #: a45730 Training:
 Exp. Date: 6/4/2022 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

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	120 sf	halls & classroom/gym, plaster

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

Client: AAPS	Samples Collected By: christina neis
Building: Community High school	Sample Collection Date: 1/7/2022
Location: first floor hallways and classrooms/gym	Samples Analyzed By: christina neis
Project #: AE210780	Sample Analysis Date: 1/7/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
FB1	Sample prepared on-site.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	1.27
ss1	outside gym top of stairwell	5:30pm	90	8.167	735	0.007	14.01
		7:00pm					
as1	outside gym top of stairwell	7:00pm	190	8.167	1552	0.004	16.56
		10:00pm					

AHERA PCM Clearance Level = 0.010 f/cc
 AHERA TEM Clearance Level = 70 AS/mm²
 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

Client: AAPS	Samples Collected By: christina neis
Building: Community High school	Sample Collection Date: 1/7/2022
Location: first floor hallways and classrooms/gym	Samples Analyzed By: christina neis
Project #: AE210780	Sample Analysis Date: 1/7/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
PS1 Series	in gym area	10:00pm	30	2.0	60	0.049	*
		10:30pm				0.003	
Activity:	removal of plaster ceiling						
ps1	on bradley altherr	10:00pm	30	2.0	60	0.049	8.92
		10:30pm					

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

Client: Ann Arbor Public Schools	Date: 1/8/2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: christina neis
Location: first floor hallways and classrooms/gym		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: shane niblock

Abatement Information	Regulated Area Information	Air Sample Information
OSHA Work Class II	Enclosure Integrity Check (start of work shift): Yes	Air samples collected: Yes
	Corrections necessary: No	Calibrated pumps: Yes
Contractor Activities	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): Yes
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: N/A	Above/Below STEL: Below
Wet methods used: Yes	Negative air maintained: Yes	Area samples (AS): Yes
Clean up procedures: Yes	Manometer reading: 0.200	PCM Clearance samples (PA): N/A
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: N/A
Conducted by: christna neis	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: christina neis	Dumpster secure at end of day: N/A	
Lock-down activities: N/A	PPE - Disposable coveralls (Contractor): Yes	Personal Samples Collected On:
Tear-down procedures: Yes	PPE - Respirators (Contractor): Yes	Name(s): Bradley altherr
	Type: HFNPR	A worker/workers who is/are representative of all workers
Abatement Method(s)	PPE - Disposable coveralls (Consultant): Yes	within the work area (all workers are conducting similar
Full Enclosure	PPE - Respirators (Consultant): Yes	activities)
	Type: HFNPR	
		Required Postings
Criticals set-up: Yes	Did Consultant enter enclosure:	Notification:
Shower set-up: Yes	Time (A.M.): <##:## a.m. - ##:## a.m.>	Supervisor/Competent Person Training:
AFDs used: Yes	Time (P.M.): <##:## p.m. - ##:## p.m.>	OSHA Personal Sampling Posting:



ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools	Date: 1/8/2022	Consultant: Arch Environmental Group, Inc.
Building: Community High school		Project Technician: christina neis
Location: first floor hallways and classrooms/gym		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: 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: Supervisor
 Accred #: a45730 Training:
 Exp. Date: 6/4/2022 Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS1

Name: lenard donland Type: Supervisor
 Accred #: a54663 Training:
 Exp. Date: Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS1

Name: erik richardson Type:
 Accred #: a52387 Training:
 Exp. Date: 6/5/2022 Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS1

Abatement Personnel Information

Workers / Accreditation Numbers

Name: Thomas ptak Type: Supervisor
 Accred #: a16288 Training:
 Exp. Date: 1/15/2022 Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS2

Name: matt kelly Type: Supervisor
 Accred #: a34636 Training:
 Exp. Date: 7/28/2022 Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS2

Name: chad grossa Type: Supervisor
 Accred #: a33063 Training:
 Exp. Date: 11/2/2022 Fit test:
 Activity: Removal of ceilings PWO:
 Personal #: PS2

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

Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	plaster	hallways and classroom/gym

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

Client:	Ann Arbor Public Schools	Samples Collected By:	christina neis
Building:	Community High school	Sample Collection Date:	1/8/2022
Location:	first floor hallways and classrooms/gym	Samples Analyzed By:	christina neis
Project #:	AE210780	Sample Analysis Date:	1/8/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
FB1	Sample prepared on-site.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	0.00
as1	outside gym top of stairwell	9:00am	120	8.167	980	0.010	26.75
		11:00am					
as2	outside gym top of stairwell	11:00am	60	8.167	490	0.016	21.02
		12:00pm					
PA1	inside containment by gym stairs	12:30pm	130	14.69	1910	0.001	6.37
		2:40pm					
PA2	inside containment outside kiln room	12:31pm	130	14.8	1924	0.002	8.92
		2:31pm					
PA3	inside containment inside café	12:32pm	130	14.72	1914	0.002	10.83
		2:42pm					
PA4	inside containment outside music practice rooms	12:32pm	130	14.78	1921	0.002	11.46
		2:42pm					
PA5	inside containment outside north stairwell	12:30pm	130	14.96	1945	0.002	10.19
		2:40pm					
PA6	Inside containemnt inside classroom in closet area	10:10am	130	14.76	1919	0.001	7.64
		12:20pm					

AHERA PCM Clearance Level = 0.010 f/cc

AHERA TEM Clearance Level = 70 AS/mm²

State of Michigan PCM Clearance Level = 0.050 f/cc

Project Area Clearance Information

Passed



ASBESTOS DAILY PROJECT REPORTS
OSHA Personal Air Sample Analysis

Client:	Ann Arbor Public Schools	Samples Collected By:	christina neis
Building:	Community High school	Sample Collection Date:	1/8/2022
Location:	first floor hallways and classrooms/gym	Samples Analyzed By:	christina neis
Project #:	AE210780	Sample Analysis Date:	1/8/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
PS1 Series	in gym area	9:30am	130	2.0	260	0.033	*
		12:00pm				0.009	
Activity:	removal of plaster ceiling						
ps1	bradley altheer	9:30am	30	2.0	60	0.053	8.92
		10:00am					
ps1r1	bradley altheer	10:00am	100	2.0	200	0.027	14.65
		11:40am					

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

OSHA STEL Limit = 1.0 f/cc

* = 8 hr Time Weighted Average

PS2 Series	in hallways	9:30am	120	2.0	240	0.044	*
		12:00pm				0.011	
Activity:	removing plaster						
ps2	chad grossa	9:30am	30	2.0	60	0.074	12.10
		10:00am					
ps2r1	chad grossa	10:00am	90	2.0	180	0.034	16.56
		11:30pm					

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