



January 24, 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 21-22, 2022. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, drilled holes asbestos ceiling plaster to install unistruts in the 2nd Floor 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
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 2nd Floor Hallway at Community High School on January 21-22, 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

Client: Ann Arbor Public Schools	Date: 1.21.2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Thinkh Nguyen
Location: 2nd Floor		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: Shane Niblock

Abatement Information	Regulated Area Information	Air Sample Information
OSHA Work Class III	Enclosure Integrity Check (start of work shift): Yes	Air samples collected: Yes
	Corrections necessary: No	Calibrated pumps: Yes
Contractor Activities	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): 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: 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): 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: N/A	Shower operational: Yes	Aggressive: N/A
Conducted by:	Dumpster secure at end of day: Yes	
Lock-down activities: Yes	PPE - Disposable coveralls (Contractor): Yes	Personal Samples Collected On:
Tear-down procedures: No	PPE - Respirators (Contractor): Yes	Name(s): Anthony Barbour
	Type: HFNPR	
Abatement Method(s)	PPE - Disposable coveralls (Consultant): Yes	
Non-Friable Project	PPE - Respirators (Consultant): Yes	
Full Enclosure	Type: HFNPR	
		Required Postings
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

Client: Ann Arbor Public Schools	Date: 1.21.2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Tinh Nguyen
Location: 2nd Floor		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: 10/24/2021
 Exp. Date: 12/18/2022 Fit test: 7/15/2021
 Activity: Supervisor PWO: 6/24/2022
 Personal #: PS1

Name: Jacob Starr Type: Supervisor
 Accred #: A57207 Training: 4/30/2021
 Exp. Date: 5/4/2022 Fit test: 7/15/2021
 Activity: Removal of misc. NF PWO: 4/19/2021
 Personal #: PS1

Name: Anthony Barbour Type: Supervisor
 Accred #: A55397 Training: 9/17/2021
 Exp. Date: 9/30/2022 Fit test: 7/15/2021
 Activity: Removal of misc. NF PWO: 6/22/2021
 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	plaster	2nd 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

Client:	Ann Arbor Public Schools	Samples Collected By:	Thinh Nguyen
Building:	Community High School	Sample Collection Date:	1.21.2022
Location:	2nd Floor	Samples Analyzed By:	Thinh Nguyen
Project #:	AE210780	Sample Analysis Date:	1.21.2022

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.	--	--	--	--	--	2.55
AS1	Outside main office on 2nd floor	6:30 PM	120	8.580	1030	0.003	10.19
		8:30 PM					
AS1R1	Outside main office on 2nd floor	8:30 PM	120	8.580	1030	0.003	7.01
		10:30 PM					

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: Ann Arbor Public Schools	Samples Collected By: Tinh Nguyen
Building: Community High School	Sample Collection Date: 1.21.2022
Location: 2nd Floor	Samples Analyzed By: Tinh Nguyen
Project #: AE210780	Sample Analysis Date: 1.21.2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
PS1 Series	Shane Niblock	8:00 PM	150	2.0	300	0.049	*
		10:30 PM				0.015	
Activity:	installing unistrut on second floor						
PS1	Shane Niblock	8:00 PM	30	2.0	60	0.110	19.11
		8:30 PM					
PS1R1	Shane Niblock	8:30 PM	120	2.0	240	0.034	22.93
		10:30 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

Client: Ann Arbor Public Schools	Date: 1.22.2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Thinkh Nguyen
Location: 2nd Floor		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: 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): 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: 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: N/A	Shower operational: Yes	Aggressive: N/A
Conducted by:	Dumpster secure at end of day: Yes	
Lock-down activities: Yes	PPE - Disposable coveralls (Contractor): Yes	Personal Samples Collected On:
Tear-down procedures: No	PPE - Respirators (Contractor): Yes	Name(s): Shane Niblock
	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
Non-Friable Project	PPE - Respirators (Consultant): Yes	activities)
Full Enclosure	Type: HFNPR	
		Required Postings
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

Client: Ann Arbor Public Schools	Date: 1.22.2022	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Tinh Nguyen
Location: 2nd Floor		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: 10/24/2021
 Exp. Date: 12/18/2022 Fit test: 7/15/2021
 Activity: Supervisor PWO: 6/24/2022
 Personal #: PS1

Name: Jacob Starr Type: Supervisor
 Accred #: A57207 Training: 4/30/2021
 Exp. Date: 5/4/2022 Fit test: 7/15/2021
 Activity: Removal of misc. NF PWO: 4/19/2021
 Personal #: PS1

Name: Anthony Barbour Type: Supervisor
 Accred #: A55397 Training: 9/17/2021
 Exp. Date: 9/30/2022 Fit test: 7/15/2021
 Activity: Equipment & supplies PWO: 6/22/2021
 Personal #: N/A (No abate. activities)

Abatement Personnel Information

Workers / Accreditation Numbers

Name: Erik Richardson Type: Supervisor
 Accred #: A523887 Training: 5/15/2021
 Exp. Date: 6/5/2022 Fit test: 7/15/2021
 Activity: Removal of misc. NF PWO: 12/3/2021
 Personal #: PS1

Name: Bradley Altherr Type: Worker
 Accred #: A45730 Training: 5/15/2021
 Exp. Date: 6/4/2022 Fit test: 7/15/2021
 Activity: Removal of misc. NF PWO: 5/14/2021
 Personal #: N/A (No abate. activities)

Name: Thomas Ptak Type: Supervisor
 Accred #: A16288 Training: 10/17/2021
 Exp. Date: 1/15/2023 Fit test: 7/15/2021
 Activity: Equipment & supplies PWO: 6/21/2021
 Personal #: N/A (No abate. activities)

Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	plaster	2nd 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

Client: Ann Arbor Public Schools Building: Community High School Location: 2nd Floor Project #: AE210780	Samples Collected By: Tinh Nguyen Sample Collection Date: 1.22.2022 Samples Analyzed By: Tinh Nguyen Sample Analysis Date: 1.22.2022
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Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
FB1	Sample prepared on-site.	--	--	--	--	--	1.27
FB2	Sample prepared on-site.	--	--	--	--	--	2.55
AS1	Outside main office on 2nd floor	8:30 AM	210	8.580	1802	0.001	0.00
		12:00 PM					
PA1	1st floor, north hallway	12:15 PM	135	14.62	1974	0.001	0.00
		2:30 PM					
PA2	1st floor, north east stairwell	12:15 PM	135	14.56	1966	0.001	0.00
		2:30 PM					
PA3	2nd floor, south hallway	12:15 PM	135	14.2	1917	0.001	0.00
		2:30 PM					

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: Tinh Nguyen
Building: Community High School	Sample Collection Date: 1.22.2022
Location: 2nd Floor	Samples Analyzed By: Tinh Nguyen
Project #: AE210780	Sample Analysis Date: 1.22.2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
PS1 Series	Shane Niblock	8:45 AM	225	2.0	450	0.012	*
		12:30 PM				0.006	
Activity:	installing unistrut on second floor						
PS1	Shane Niblock	8:45 AM	195	2.0	390	0.007	0.00
		12:00 PM					
PS1R1	Shane Niblock	12:00 PM	30	2.0	60	0.045	0.00
		12:30 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