



October 22, 2021

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 October 21, 2021. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, removed and disposed of asbestos ceiling debris from Room 317 and Storage. The asbestos ceiling debris was removed using Class II procedures and wet methods inside of a mini-enclosure. The asbestos ceiling debris 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
PS	Personal Sample
PA	Clearance (Post-Abatement) Sample

Following a thorough visual inspection of the project area, the PCM clearance samples collected in Room 317 and Storage at Community High School on October 21, 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

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Sincerely,

Arch Environmental Group, Inc.
Environmental Services



Roosevelt Austin, III
Manager, 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: 10.21.2021	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Thinkh Nguyen
Location: Rm 317		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: Steven Lyell

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): Yes
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): No
Clean up procedures: Yes	Manometer reading: <#>	PCM Clearance samples (PA): Yes
Waste bags checked: Yes	Smoke testing conducted: Yes	Passed: Yes
Conducted by: Thinkh Nguyen	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: N/A (≤25 lf/10 sf/Intact)	Aggressive: n/A
Conducted by: <x>	Dumpster secure at end of day: Yes	
Lock-down activities: Yes	PPE - Disposable coveralls (Contractor): Yes	Personal Samples Collected On:
Tear-down procedures: yes	PPE - Respirators (Contractor): Yes	Name(s): Zachary Bess
	Type: HFNPR	The only worker who is conducting abatement/work practices
Abatement Method(s)	PPE - Disposable coveralls (Consultant): Yes	
Non-Friable Project	PPE - Respirators (Consultant): Yes	
	Type: HFNPR	
Criticals set-up: Yes	Did Consultant enter enclosure: No	
Shower set-up: N/A (≤25 lf/10 sf/Intact)	Time (A.M.): <##:## a.m. - ##:## a.m.>	Notification: Yes
AFDs used: No - Per Contractor	Time (P.M.): <##:## p.m. - ##:## p.m.>	Supervisor/Competent Person Training: Yes
		OSHA Personal Sampling Posting: Yes

Required Postings

Notification:	Yes
Supervisor/Competent Person Training:	Yes
OSHA Personal Sampling Posting:	Yes



ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools	Date: 10.21.2021	Consultant: Arch Environmental Group, Inc.
Building: Community High School		Project Technician: Tinh Nguyen
Location: Rm 317		Abatement Contractor: Environmental Maintenance Engineers, Inc.
Project #: AE210780		Competent Person: Steven Lyell

Abatement Personnel Information

Workers / Accreditation Numbers

Name:	Steven Lyell	Type:	Supervisor
Accred #:	A4613	Training:	[Redacted]
Exp. Date:	8/31/2022	Fit test:	[Redacted]
Activity:	Supervisor	PWO:	[Redacted]
Personal #:	N/A (No abate. activities)		

Name:	Zachary Bess	Type:	Supervisor
Accred #:	A44677	Training:	[Redacted]
Exp. Date:	2/27/2022	Fit test:	[Redacted]
Activity:	Glovebag removal (TSI)	PWO:	[Redacted]
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	1	RM 317

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:	10.21.2021
Location:	Rm 317	Samples Analyzed By:	Thinh Nguyen
Project #:	AE210780	Sample Analysis Date:	10.21.2021

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.	--	--	--	--	--	3.18
FB2	Sample prepared on-site.	--	--	--	--	--	2.55
BL1	In first floor construction area	4:55 PM	180	8.234	1482	0.006	24.20
		7:55 PM					
BL2	In hallway by rm 117	4:45 PM	180	8.158	1468	0.002	12.10
		7:45 PM					
BL3	In hallway by rm 212	4:40 PM	180	8.436	1518	0.005	21.02
		7:40 PM					
BL4	In hallway by rm 307	4:35 PM	180	8.580	1544	0.003	14.01
		7:35 PM					
PA1	Rm 317, corner of classroom	5:30 PM	135	14.4	1944	0.002	14.01
		7:45 PM					
PA2	Rm 317, storage closet	6:20 PM	135	14.62	1974	0.002	12.10
		8:35 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: 10.21.2021
Location: Rm 317	Samples Analyzed By: Tinh Nguyen
Project #: AE210780	Sample Analysis Date: 10.21.2021

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm ²)
PS1 Series	Zachary Bess vacuuming and wet wiping	5:00 PM	75	2.0	150	0.069	*
		6:15 PM				0.011	
Activity:	cleaning debris						
PS1	Zachary Bess vacuuming and wet wiping	5:00 PM	30	2.0	60	0.045	9.55
		5:30 PM					
PS1R1	Zachary Bess vacuuming and wet wiping	5:30 PM	45	2.0	90	0.086	22.93
		6:15 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