

# ASBESTOS ABATEMENT & AIR MONITORING REPORT

### **Community High School**

401 North Division Street Ann Arbor, Michigan 48104

Prepared For:

**Ann Arbor Public Schools** 

2555 South State Street Ann Arbor, Michigan 48104

Abatement Contractor:

Environmental Maintenance Engineers 25851 Trowbridge Street Inkster, Michigan 48141

Prepared By:

Arch Environmental Group, Inc.

37720 Interchange Drive Farmington Hills, Michigan 48335

Project #: AE220516

Project Date(s): June 16 - August 1, 2022 Report Date: August 19, 2022

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### 1.0 / Project Summary

Arch Environmental Group, Inc. (AEG) conducted project coordination and air monitoring activities for an asbestos abatement project at Community High School for Ann Arbor Public Schools. The project, which was conducted on June 16 - August 1, 2022, consisted of the removal and disposal of approximately 12,000 square feet of asbestos ceiling plaster from throughout the building. The asbestos-containing materials were removed prior to renovation activities which likely would have impacted the materials.

The project was completed by Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor from Inkster, Michigan. Environmental Maintenance Engineers' competent person and workers were accredited through the State of Michigan's Department of Licensing and Regulatory Affairs and had appropriate training and medical surveillances. All aspects of AEG's written project design (as detailed later in this report) were met for the project. All asbestos ceiling plaster was removed using Class II procedures and wet methods inside of a full negative pressure enclosure

AEG conducted air sampling and personal exposure monitoring during abatement activities. The collected air samples were analyzed on-site utilizing Phase Contrast Microscopy (PCM) in accordance with NIOSH 7400 Methodologies. Following a thorough visual inspection of the project areas, Transmission Electron Microscopy (TEM) clearance sampling was conducted in the project areas, in accordance with the AHERA regulation. The final clearance air samples were analyzed below the applicable AHERA clearance levels.

The following sections of this report include:

- Appendix A Project Design Documentation: A summary of pertinent information relating to the
  project design, including, but not necessarily limited to, project area set-up, removal techniques,
  clearance air sampling requirements, and project designer accreditation information. This information
  is prepared and provided by AEG.
- Appendix B Daily Project Reports: Complete daily project checklists and air monitoring reports for the project. This information is prepared and provided by AEG.
- Appendix C Contractor Documentation: This section of the report includes all of the necessary documentation for Environmental Maintenance Engineers, including, but not necessarily limited to, the project notification, State of Michigan contractor license, individual worker documentation, waste disposal manifests, and other miscellaneous contractor information. This information is prepared and provided by Environmental Maintenance Engineers.

A copy of an AHERA Record Keeping form, detailing all of the pertinent project information, has been inserted into the AHERA Management Plan.

Any questions related to this asbestos abatement project or report should be directed to AEG at (248) 426-0165.



### **APPENDIX A**

**Project Design Information** 



### **AHERA Asbestos Abatement Project Design Information**

This summary provides information for use by Environmental Maintenance Engineers to complete the removal and disposal of asbestos ceiling plaster from throughout the building at Community High School for Ann Arbor Public Schools.

### **Material Locations and Quantities**

Environmental Maintenance Engineers will remove and dispose of approximately 12,000 square feet of asbestos ceiling plaster from throughout the building. The materials will be removed prior to renovation activities in these spaces which likely would have impacted the materials.

### **Contractor and Personnel Requirements**

Environmental Maintenance Engineers is licensed by the State of Michigan as an asbestos abatement contractor. Environmental Maintenance Engineers must have a trained and accredited Asbestos Contractor/Supervisor on-site at all times and all workers must be trained and accredited as Asbestos Workers.

### **Scope-of-Work - Abatement Requirements**

Environmental Maintenance Engineers will perform the following activities associated with the removal and disposal of asbestos materials, as described above:

1. The regulated areas will be emptied of all furniture, furnishings and moveable objects prior to the start of the project. This activity will be completed by the Owner. The Contractor will not be responsible for any materials below fixed cabinets, shelving units, counters, etc. left in place prior to the start of the project, unless otherwise noted.

### 2.1. Class I Full Negative Pressure Enclosure Abatement Procedures:

All abatement activities for Class I asbestos materials inside of a full negative pressure enclosure will be completed in accordance with the following procedures (regulated area set-up and removal techniques):

### Set-up of Regulated Area:

- All Class I work shall be supervised by a competent person (accredited asbestos supervisor).
- Critical barriers shall be placed over all openings to the regulated area, including all doors, windows, vents
  and HVAC system openings. Critical barriers shall be placed over all doors leading to non-project areas, such
  as, but not limited to, adjacent rooms, storage areas, closets and bathrooms.
- A minimum of one (1) layer of six-mil polyethylene sheeting will be placed over all wall surfaces below the ceilings (up to 10') and all counter tops, sink cabinets, etc. in each of the project areas.
- For all project areas where asbestos flooring is not scheduled for removal, a minimum of two (2) layers of sixmil polyethylene sheeting will be placed over all floor surfaces in each of the project areas.
- Air filtration devices shall be placed inside of the regulated area and exhausted outside of the building. A minimum of one (1) air filtration device will be placed in each functional space in excess of 400 square feet to provide a sufficient air exchange and appropriate air flow through the regulated area.
- Flapped critical barriers will be used to allow for access into the regulated area. Project areas with more than one doorway will have only one access location.
- The set-up of a full, three chamber decontamination unit, complete with an operable shower chamber, will be set-up at the entrance to the regulated area. The Contractor will be responsible for providing water from an access point in the building to the shower via hoses.
- Asbestos warning signs will be placed on the outside of the critical barriers prior to the commencement of abatement activities.

### Removal Procedures

- The Contractor will be responsible for providing water from an access point in the building to the minienclosure via hoses. The Contractor will be allowed to use alternate water distribution techniques (such as "piss-pumps" or buckets) if the only water sources are in excess of 200' from an access point for the enclosure.
- All materials will be placed in lined fiber drums or double bagged for disposal. Fiber drums may be lined, placed in the clean room and filled with sealed bags in lieu of double bagging the waste or using the drums



- inside of the enclosure.
- At all locations where the asbestos materials must be cut or partially removed, the Contractor will remove all
  jagged edges to the best of their ability and seal the exposed edges with bridging encapsulant.
- Vacuums equipped with HEPA filters, disposable dust bags and metal floor tools (no brushes) shall be used to clean the floors.
- Dry sweeping is prohibited.

### Personal Protection Equipment and Procedures:

- All employees performing Class I work practices inside of the regulated area established by these procedures will wear respiratory protection (minimum half-face negative pressure respirator).
- All employees performing Class I work practices inside of the regulated area established by these procedures will wear disposable coveralls.
- All workers will be required to properly decontaminate when exiting the regulated area.
- Any worker found in violation of these requirements and procedures will be removed from the project site for the duration of the project.

### Final Cleaning Procedures:

- All vertical sections of polyethylene sheeting will be rinsed following completion of gross removal activities.
- All horizontal sections of the polyethylene sheeting will be cleaned using a combination of wet wiping and HEPA vacuuming.
- All flooring surfaces inside of the enclosure will be cleaned using a combination of wet wiping and HEPA vacuuming.
- All surfaces inside of the enclosure will be sprayed with a clear drying lockdown encapsulant following the visual inspection.

### **General Requirements:**

All work conducted by the Contractor will use the following engineering controls and work practices regardless of the levels of exposure:

- A. Vacuum cleaners equipped with HEPA filters to collect all debris and dust.
- B. Wet methods to control employee exposures during all handling of asbestos.
- C. Prompt clean-up and disposal of wastes and debris in leak tight containers.
- D. Local exhaust ventilation equipped with HEPA filters.
- E. Enclosure or isolation of processes producing asbestos dust.
- F. Ventilation of the regulated area to move contaminated air away from the breathing zone of employees and toward a filtration or collection device equipped with a HEPA filter.

### **Prohibited Work Practices:**

The following work practices and engineering controls shall not be used for these projects regardless of the level of exposure:

- A. High-speed abrasive disc saws that are not equipped with point of cut ventilator or enclosures with HEPA filters
- B. Compressed air used to remove asbestos unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air.
- C. Dry sweeping, dry shoveling or other dry clean-up of asbestos waste and debris.
- D. Employee rotation as a means of reducing employee exposure to asbestos.
- 3. All asbestos-containing materials must be removed using wet methods and then bagged and sealed immediately. Bags will be randomly checked as they are transported from the enclosure and double bagged. All bags determined to not be adequately wet will be sent back into the enclosure. All bags must be removed from the enclosure prior to the start of the visual inspection.
- 4. All surfaces inside the enclosure will be fully washed with a combination of wire brushing, rinsing, wetwiping and HEPA vacuuming during the final cleaning portion of the project. During final cleaning activities, the ceiling will be rinsed and then encapsulated during the lock down portion of the project.



5. At the conclusion of the final cleaning activities in the enclosure, a visual inspection will be completed in accordance with the listed "Visual Inspection Procedures" (Item #3, "General Requirements and Information").

### Scope-of-Work - General Requirements and Information

The Contractor will remove and dispose of the asbestos-containing materials in accordance with the following additional general requirements:

- 1. The Contractor will be responsible for providing a manometer to provide a reading of the negative pressure in all negative pressure enclosures and will also be responsible for providing smoke testing of the negative pressure enclosures and glovebags, as required by OSHA. Abatement will not begin inside of a negative pressure enclosure unless a manometer is installed and indicates the proper negative pressure. All air filtration devices must be ducted outside the building. The Contractor will be responsible for properly securing the exhaust tubes in the exterior windows and/or doorways to prevent unauthorized access to the building during after work hours. All of the exterior window frames are scheduled to be remain and the Contractor will not be allowed to screw/nail into the frames. Any and all damage to the windows/frames is the responsibility of the Contractor.
- 2. The Contractor is strongly encouraged to document all existing conditions prior to the start of the project in order to support pre-project damage. In all situations where damages are listed on work lists or punch lists by the Owner or Construction Manager, the Contractor will be provided two weeks (fourteen 14 calendar days) to complete corrective measures. After the fourteen day period, the Owner, Construction Manager or Arch Environmental Group, Inc. (AEG) will complete the corrective measures at the Contractor's expense. The Contractor will be required to dedicate two laborers for general clean-up activities throughout the building (as directed by the Owner or AEG) for two days for each individual project to address "punch list" type items such as pieces of tape/poly or tape/glue residue. The dates will be coordinated at the completion of all abatement activities.

### 3. <u>Visual Inspection Procedures</u>:

At the conclusion of final cleaning activities for each individual regulated area, a visual inspection will be completed in accordance with the following procedures:

- Prior to each visual inspection in a negative pressure enclosure, the Contractor will replace the pre-filters on all of the air filtration devices with new clean filters. AEG's Project Technician and the Contractor's competent person will conduct a thorough visual inspection of the project area to ensure that all materials have been completely removed and all surfaces have been properly cleaned. The visual inspection will not be conducted until all areas have been final cleaned and all non-essential equipment and supplies have been removed from the enclosure.
- Prior to each visual inspection in a negative pressure enclosure, the Contractor will remove all
  excess equipment, including all ladders, scaffolds, hoses, bags, tools, etc. from the enclosure. The
  Contractor will also clean the exterior of all air filtration devices. Minimal ladders and scaffolds
  will be left in the enclosure to allow for the visual inspection.
- AEG's on-site Project Technician and the Contractor's competent person will conduct a thorough visual inspection of each regulated area to ensure that all materials have been completely removed and all surfaces have been properly cleaned.
- The Contractor will not be allowed to conduct the lock down activities until after completion of the visual inspection. All polyethylene sheeting/barriers must be re-checked prior to lock down to minimize the potential of leaks behind the barriers. The Contractor will only be allowed to use a clear drying encapsulant for lock down



### **Air Monitoring Requirements**

AEG will provide air monitoring services for the duration of the project. The collected Baseline baseline, set-up, personal exposure, and area air samples (as applicable) will be analyzed on-site by AEG utilizing Phase Contrast Microscopy (PCM) in accordance with NIOSH 7400 Methodologies.

Each of the regulated areas established for the removal of the materials described in the "Abatement Activities" will be cleared using Transmission Electron Microscopy (TEM). Pursuant to the requirements of AHERA, thirteen (13) TEM samples will be collected from the enclosure - five inside the enclosure, five outside the enclosure and three sample blanks. All five inside samples must be analyzed below an average of 70.0 AS/mm2 to allow for tear down of the enclosure. All TEM air samples will be collected in accordance with the AHERA regulation and all EPA recommended guidelines.

### **Submittal Requirements**

Environmental Maintenance Engineers will provide AEG with a copy of all company and worker documentation and disposal manifests.

### **Notification Requirements**

Environmental Maintenance Engineers will be responsible for submitting the required notifications to the Michigan Department of Licensing and Regulatory Affairs (MDLARA) and the Michigan Department of Environmental Quality (MDEQ), as necessary. Environmental Maintenance Engineers will provide AEG with a copy of all submitted notifications.

### **Project Designer Information**

Name: Roosevelt Austin III

Accreditation Number: A28791
State of Accreditation: Michigan
Accred. Expiration Date: January 4, 2023
Training Expiration Date: July 11, 2023

Signature:



### **APPENDIX B**

**Asbestos Daily Project Reports** 





# ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Client: Ann Arbor Public Schools

Building: Community High School

**Location:** 2nd Floor, 1st Floor Kitchen

AFDs used:

Yes

Project #: AE220516

Date: 6/16/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Andrew Ptak

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)	Yes
Abatement procedures conducted:	. 00	Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	No
Removal:	No	Corrections made:	No	Above/Below PEL:	N/A
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	No
Repair:	No	Corrections necessary:	No	Above/Below PEL:	N/A
Enclosure:	No	Corrections made:	No	Above/Below STEL:	, N/A
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></x>		Conducted by: <x></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): <x></x>	
		Type:	HFNPR		
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes		
Full Enclosure		PPE - Respirators (Consultant):	Yes		
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools

**Building:** Community High School

Location: 2nd Floor, 1st Floor Kitchen

**Abatement Personnel Information** 

Project #: AE220516

Name:

Accred #:

Exp. Date:

Activity:

**Date:** 6/16/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: **Andrew Ptak** 

### **Materials Abated - Quantity & Location**

#### Material sf/lf/# Locations

### **Abatement Personnel Information**

Personal #:

### **Workers / Accreditation Numbers**

Type: Supervisor Name: Type: Training: 6/11/2022 Accred #: Training: Fit test: 7/15/2022 Exp. Date: Fit test: PWO: 6/21/2022 PWO: Activity:

N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

A25587

6/16/2023

Supervisor

Andrew Ptak

**Gregory Nagle** Type: Supervisor Name: Name: Type: A47962 Training: 8/15/2021 Accred #: Accred #: Training: Fit test: 7/15/2022 Exp. Date: 9/22/2022 Exp. Date: Fit test: Set-up only PWO: 8/25/2021 PWO: Activity: Activity: Personal #:

N/A (No abate. Activities) Personal #:

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

### **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



2nd Floor, 1st Floor Kitchen

Location:

# ASBESTOS DAILY PROJECT REPORTS Air Sample Analysis Information

Samples Analyzed By:

Thinh Nguyen

Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/16/2022

Project #: AE220516 Sample Analysis Date: 6/16/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.		-	-			1.27
FB2	Sample prepared on-site.						1.91
SS1	Second Floor Main Office	8:30 AM	180	7.935	1420	1428 0.003	14.01
331	Second Floor Main Office	11:30 AM	180	7.935	1428		14.01
SS1R1	Second Floor Main Office	11:30 AM	180	7.935	1428	0.004	17.20
331KI	Second Floor Main Office	2:30 PM	180	7.933	1428	0.004	17.20
SS1R2	Second Floor Main Office	2:30 PM	180	7.935	1428	0.004	17.83
351KZ	Second Floor Main Uttice	5:30 PM	180	7.955			17.83

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

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools

**Building:** Community High School

**Location:** 2nd Floor, 1st Floor Kitchen

Shower set-up:

AFDs used:

Yes

Yes

Project #: AE220516

Date: 6/17/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Supervisor/Competent Person Training:

OSHA Personal Sampling Posting:

Yes

Yes

Competent Person: Andrew Ptak

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Yes
Com tronk class		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)	Yes
Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	No
Removal:	No	Corrections made:	No	Above/Below PEL:	N/A
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	No
Repair:	No	Corrections necessary:	No	Above/Below PEL:	N/A
Enclosure:	No	Corrections made:	No	Above/Below STEL:	, N/A
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></x>		Conducted by: <x></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	55	
Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:	
Tear-down procedures:	No	PPE - Respirators (Contractor):	Yes	Name(s): <x></x>	
		Type:	HFNPR		
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes		
Full Enclosure		PPE - Respirators (Consultant):	Yes		
		Type:	HFNPR		
				Required Postings	
Criticals set-up:	Yes	Did Consultant enter enclosure:	No	Notification:	Yes

Time (A.M.): <##:## a.m. - ##:## a.m.>

Time (P.M.): <##:## p.m. - ##:## p.m.>



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: **Ann Arbor Public Schools** 

**Building:** Community High School

Location: 2nd Floor, 1st Floor Kitchen

Project #: AE220516

Name:

Accred #:

Exp. Date:

Name:

Personal #:

Date: 6/17/2022

Consultant:

Type:

Training:

Fit test:

PWO:

Type:

Training:

Fit test:

PWO:

PWO:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Material

Competent Person: **Andrew Ptak** 

### **Abatement Personnel Information**

### **Abatement Personnel Information**

**Workers / Accreditation Numbers** 

### **Materials Abated - Quantity & Location**

Locations

### **Workers / Accreditation Numbers**

Andrew Ptak Type: Supervisor A25587 Training: 6/11/2022 6/16/2023 Fit test: 7/15/2022

Supervisor PWO: 6/21/2022 Activity:

N/A (No abate. activities) Personal #:

**Gregory Nagle** Type: Supervisor Name: A47962 Training: 8/15/2021 Accred #: Fit test: 7/15/2022 Exp. Date: 9/22/2022 Set-up only PWO: 8/25/2021 Activity:

N/A (No abate. Activities) Personal #:

Accred #: Exp. Date: Activity:

Type: Training: Fit test: PWO: Personal #:

Name:

Accred #:

Exp. Date:

Activity:

Name: Accred #: Exp. Date: Activity:

Personal #:

Name: Accred #: Exp. Date:

Activity:

Type: Training: Fit test:

Personal #:

sf/lf/#

**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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/17/2022Location:2nd Floor, 1st Floor KitchenSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/17/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
-	<del>,</del>						
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
SS1	Second Floor Main Office	7:15 AM	255	7.935	2023	0.001	6.37
331	Second Floor Ivialii Office	11:30 AM	255	7.955	2023	0.001	0.57
SS1R1	Second Floor Main Office	11:30 AM	180	7.935	1428	0.002	8.28
331KI	Second Floor Main Office	2:30 PM	160	7.955	1420	0.002	0.20
SS1R2	Second Floor Main Office	2:30 PM	180	7.935	1428	0.003	12.74
331KZ	Second Floor Main Office	5:30 PM	180	7.935	1426	0.003	12.74

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

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools

**Building:** Community High School

AFDs used:

Yes

**Location:** 2nd Floor, 1st Floor Kitchen

Project #: AE220516

Date: 6/18/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Andrew Ptak

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
<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)	Yes
Removal:	No	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></x>		Conducted by: <x></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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson	
		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 conduct	ing similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	·
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: **Ann Arbor Public Schools** 

Community High School

Location: 2nd Floor, 1st Floor Kitchen

Project #: AE220516

**Building:** 

**Date:** 6/18/2022

Consultant:

Type:

Type:

Training:

Fit test:

PWO:

Type:

Training:

Fit test:

PWO:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: **Andrew Ptak** 

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### **Materials Abated - Quantity & Location**

Workers /	Accreditation	Numbers
Name:	Andrew Ptak	

Type: Supervisor Andrew Ptak Training: 6/11/2022 A25587 Accred #: 6/16/2023 Fit test: 7/15/2022 Exp. Date:

Supervisor PWO: 6/21/2022 Activity:

N/A (No abate. activities) Personal #:

Anthony Barbour

A55397 Accred #: 9/30/2022 Exp. Date:

Removal of misc. NF Activity:

PS1 Personal #:

Name:

Name:

Personal #:

Accred #:

6/5/2023 Exp. Date: Activity:

PS1

Removal of misc. NF

Erik Richardson A52387

Type: Supervisor

Training: 9/17/2021 Fit test: 7/15/2022

PWO: 6/15/2022

Type: Supervisor

Training: 5/13/2022

Fit test: 7/15/2022

PWO: 12/3/2021

Name: Accred #:

Exp. Date:

Activity:

Training: Fit test: PWO:

**Workers / Accreditation Numbers** 

Personal #:

Name:

Name:

Accred #:

Exp. Date:

Activity:

Accred #: Exp. Date:

Activity: Personal #:

Personal #:

sf/lf/# Material Locations Other Class II 15 Theater

### **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, 1st Floor Kitchen

Project #: AE220516

Samples Collected By: Sample Collection Date: Thinh Nguyen 6/18/2022

Samples Analyzed By: Sample Analysis Date: Thinh Nguyen 6/18/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
1		Г	1				
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
AS1	Second Floor hallway outside Main Office	8:30 AM	240	7.935	1904	0.001	E 10
ASI	Second Floor hallway outside Main Office	10:30 AM	240	7.355	1904	0.001	5.10
AS1R1	Second Floor hallway outside Main Office	10:30 AM	180	7.935	1428	0.002	7.64
ASIRI	Second Floor Hallway outside Main Office	1:30 PM	100	7.355	1420	0.002	7.04
AS1R2	Second Floor hallway outside Main Office	1:30 PM	180	7.935	1428	0.002	7.01
ASIRZ	Second Floor Hallway outside Main Office	4:30 PM	100	7.355	1420	0.001     5.10       0.002     7.64       0.002     7.01	
PA1	Inside Theatre room, center	12:30 PM	135	14.56	1966	0.002	10.83
PAI	iniside Theatre Toom, Center	2:45 PM	133	14.50			10.65

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/18/2022Location:2nd Floor, 1st Floor KitchenSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/18/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
_							
PS1 Series	Erik Richardson	9:00 AM	210	2.0	420	0.026	
P31 Series		12:30 PM	210	2.0	420	0.011	*
Activity:	Drilling holes into plaster ceiling in theater						
PS1	Erik Bishardson	9:00 AM	60	2.0	120	0.040 1	14.01
P31	Erik Richardson	10:00 AM	60	2.0	120	0.040	14.01
PS1R1	Erik Richardson	10:00 AM	30	2.0	60	0.045	6.37
PSIKI	ETIK RICHAROSON	10:30 AM	30	2.0	60	0.045	0.37
PS1R2	Erik Richardson	10:30 AM	120	2.0	240	0.015	10.83
PSIKZ	ETIK KICHATUSUH	12:30 PM	120	2.0	240	0.015	10.83

**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

Community High School

AFDs used:

Yes

**Location:** 2nd Floor Southeast Block

Project #: AE220516

Building:

Date: 6/20/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

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
<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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Bradley Altherr, Cruz Torres	
		Type:	HFNPR	A worker/workers who is/are representative of	of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conducti	ng similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



# ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools Date: 6/20/2022 Consultant: Arch Environmental Group, Inc.

A58200

PS2

11/22/2022

Removal of ceilings

Accred #:

Exp. Date:

Personal #:

Activity:

Training:

Fit test:

PWO:

Building:Community High SchoolProject Technician:Thinh NguyenLocation:2nd Floor Southeast BlockAbatement Contractor:Environmental Maintenance Engineers, Inc.Project #:AE220516Competent Person:Shane Niblock

#### Abatement Personnel Information

A57748

9/7/2022

PS2

Removal of ceilings

Training:

Fit test:

PWO:

Accred #:

Exp. Date:

Personal #:

Activity:

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

	Abatement Personner inn	ormatioi	l	Abatement Personner information				
Monkona /	Accreditation Numbers				Markara /	Accreditation Numbers		
	Shane Niblock	-	Cunomisor				_	Cunandaar
Name:			Supervisor		Name:	Bradley Altherr		Supervisor
Accred #:	A43597	ŭ	10/24/2021		Accred #:	A45730	•	5/13/2022
Exp. Date:	12/18/2022		7/15/2022	E	Exp. Date:	6/4/2023		7/15/2022
Activity:	Supervisor	PWO:	7/3/2022	,	Activity:	Removal of ceilings	PWO:	5/16/2022
Personal #:	N/A (No abate. activities)			F	Personal #:	PS1		
Name:	Andrew Ptak	Type:	Supervisor	ı	Name:	Jhonsell Vargas	Type:	Worker
Accred #:	A25587	Training:	6/11/2022	,	Accred #:	A58114	Training:	
Exp. Date:	6/16/2023	Fit test:	7/15/2022	E	Exp. Date:	10/28/2022	Fit test:	
Activity:	Equipment & supplies	PWO:	6/21/2022	,	Activity:	Removal of ceilings	PWO:	
Personal #:	N/A (No abate. Activities)			F	Personal #:	PS1		
Name:	Ines Castro	Type:	Worker	1	Name:	Osmin E. Lopez Herrera	Type:	Worker
Accred #:	A58233	Training:		Å	Accred #:	A46719	Training:	
Exp. Date:	11/30/2022	Fit test:		E	Exp. Date:	9/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:		ļ	Activity:	Removal of ceilings	PWO:	
Personal #:	PS1				Personal #:	PS1		
Name:	Cruz Torres	Type:	Worker	1	Name:	Omar A Granados Bermud	Type:	Worker
Accred #:	A58158	Training:		Å	Accred #:	A54503	Training:	
Exp. Date:	11/12/2022	Fit test:		E	Exp. Date:	6/11/2023	Fit test:	
Activity:	Removal of ceilings	PWO:		A	Activity:	Removal of ceilings	PWO:	
Personal #:	PS2				Personal #:	PS2		
Name:	Nohemi Zamoran	Type:	Worker	1	Name:	Reyna V. Ramirez G.	Type:	Worker

Material	sf/lf/#	Locations
Other Class II	1800	2nd Floor Southeast Block

### **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: Sample Collection Date: 6/20/2022 Community High School Location: 2nd Floor Southeast Block Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 6/20/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						3.18
AS1	Second Floor Outside main office/decon shower	7:30 AM 11:30 AM	240	7.985	1916	0.003	19.11
AS1R1	Second Floor Outside main office/decon shower	11:30 AM 2:30 PM	180	7.985	1437	0.006	24.20
AS1R2	Second Floor Outside main office/decon shower	2:30 PM 5:15 PM	165	7.985	1318	0.004	16.56

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: Thinh Nguyen Building: Community High School Sample Collection Date: 6/20/2022 Samples Analyzed By: Location: 2nd Floor Southeast Block Thinh Nguyen Project #: AE220516 Sample Analysis Date: 6/20/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		_	_				
PS1 Series	Bradley Altherr	9:30 AM	465	2.0	930	0.037	
	bradiey Artheri	5:15 PM	403	2.0	930	0.036	*
Activity:	Removal of ceiling plaster						
DC4	Bradley Altherr	9:30 AM	90	2.0	180	0.043	22.93
PS1		11:00 AM					
PS1R1	D. II. Ald	11:00 AM	30	2.0	60	0.404	10.11
PSIKI	Bradley Altherr	11:30 AM	30	2.0	60	0.104	19.11
20122	D. H. Akil	11:30 AM	100	2.0	252	0.004	
PS1R2	Bradley Altherr	2:30 PM	180	2.0	360	0.031	31.85
00403	Dara Harri Alahara	2:30 PM	165	2.0	330		
PS1R3	Bradley Altherr	5:15 PM				0.028	26.75

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Cruz Torres	9:30 AM	465	2.0	930	0.032	
F32 Series	cruz rorres	5:15 PM	403			0.031	*
Activity:	Removal of ceiling plaster						
PS2	Cruz Torres	9:30 AM	90	2.0	180	0.054	28.03
	Cluz Torres	11:00 AM		2.0	180	0.034	28.03
PS2R1	Cruz Torres	11:00 AM	30	2.0	60	0.072	14.01
FJZKI		11:30 AM					
PS2R2	Cruz Torres	11:30 AM	180	2.0	360	0.019	21.02
FJZRZ	Cruz Torres	2:30 PM	180		300	0.019	21.02
PS2R3	Cruz Torres	2:30 PM	165	2.0	330	0.026	24.84
		5:15 PM					

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

# ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Client: Ann Arbor Public Schools Date: 6/21/2022 Consultant: Arch Environmental Group, Inc.

Building:Community High SchoolProject Technician:Thinh NguyenLocation:2nd Floor Southeast BlockAbatement Contractor:Environmental Maintenance Engineers, Inc.

Project #: AE220516 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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Bradley Altherr, Cruz Torres	
		Туре:	HFNPR	A worker/workers who is/are representative of	of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conduct	ing similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Туре:	HFNPR		
				Required Postings	·
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

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

**Building:** Community High School Location: 2nd Floor Southeast Block

Project #: AE220516 Date: 6/21/2022 Consultant:

Project Technician:

Arch Environmental Group, Inc.

Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Shane Niblock Competent Person:

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

#### **Workers / Accreditation Numbers**

Name: Shane Niblock Type: Supervisor A43597 Training: 10/24/2021 Accred #: 12/18/2022 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 7/3/2022 Activity:

N/A (No abate. activities) Personal #:

Andrew Ptak Type: Supervisor Name: A25587 Training: 6/11/2022 Accred #: Exp. Date: 6/16/2023 Fit test: 7/15/2022 **Equipment & supplies** PWO: 6/21/2022 Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Accred #: Training: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS2 Personal #:

Type: Worker

Training:

Fit test:

PWO:

Nohemi Zamoran Name: A57748 Accred #: 9/7/2022 Exp. Date: Removal of ceilings Activity:

PS2 Personal #:

**Workers / Accreditation Numbers** 

**Bradley Althern** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Removal of ceilings Activity:

Personal #: PS1

Jhonsell Vargas Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: Personal #: PS1

Osmin E. Lopez Herrera Name: A46719 Accred #: 9/30/2022 Exp. Date: Removal of ceilings Activity:

PS1 Personal #: Omar A Granados Bermudi Name: A54503 Accred #:

6/11/2023 Exp. Date: Removal of ceilings Activity: PS2

Personal #:

Name: Accred #: Exp. Date: Activity:

11/22/2022 Removal of ceilings PS2

A58200

Reyna V. Ramirez G.

Personal #:

PWO: 5/16/2022

Type: Worker

Type: Worker Training: Fit test: PWO:

Type: Worker Training: Fit test: PWO:

Type: Worker Training: Fit test: PWO:

Material sf/lf/# Other Class II 1800 2nd Floor Southeast Block

Locations

#### **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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/21/2022Location:2nd Floor Southeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/21/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)	
FB1	Sample prepared on-site.		-1	-1			2.55	
FB2	Sample prepared on-site.						3.18	
AS1	Second Floor Outside main office/decon shower	7:30 AM	240	7.985	1916	0.002	14.01	
ASI	Second Floor Outside Main office/decon shower	11:30 AM	240	7.363	1910	0.002	14.01	
AS1R1	Second Floor Outside main office/decon shower	11:30 AM	180	7.985	1437	0.004	19.11	
ASIKI	Second Floor Outside Main office/decort shower	2:30 PM	160	7.985	1457	0.004	19.11	
AS1R2	Second Floor Outside main office/decon shower	2:30 PM	165	7.985	1318	0.003	12.10	
ASIRZ		5:15 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: Thinh Nguyen Building: Community High School Sample Collection Date: 6/21/2022 Samples Analyzed By: Location: 2nd Floor Southeast Block Thinh Nguyen Project #: AE220516 Sample Analysis Date: 6/21/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Bradley Altherr	7:30 AM	585	2.0	1170	0.031	
P31 Series	brauley Aither	5:15 PM		2.0	1170	0.038	*
Activity:	Removal of ceiling plaster						
DC1	Bradley Altherr	7:30 AM	180	2.0	360	0.031	31.85
PS1		10:30 AM				0.031	31.85
PS1R1	- 11 111	10:30 AM	180	2.0	260	0.026	26.04
PSIKI	Bradley Altherr	1:30 PM	180	2.0	360	0.036	36.94
DC4 D2	Does all and Alaba area	1:30 PM	20	2.0	60	0.005	
PS1R2	Bradley Altherr	2:00 PM	30	2.0	60	0.096	17.83
DC4 D2	Bradley Altherr	2:00 PM	195	2.0	390		
PS1R3		5:15 PM				0.017	19.75

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Cruz Torres	7:30 AM	585	2.0	1170	0.026	
P32 Series	ciuz iones	5:15 PM	303			0.032	*
Activity:	Removal of ceiling plaster						
PS2	Cruz Torres	7:30 AM	180	2.0	360	0.028	29.30
	Cluz Torres	10:30 AM		2.0	300	0.028	29.30
PS2R1	Cruz Torres	10:30 AM	180	2.0	360	0.013	14.65
FJZKI		1:30 PM					
PS2R2	Cruz Torres	1:30 PM	30	2.0	60	0.141	24.84
F3ZRZ	Cruz Torres	2:00 PM	30	2.0	30	0.141	24.04
PS2R3	Cruz Torres	2:00 PM	195	2.0	390	0.020	22.93
		5:15 PM					

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



# ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools

Building: Community High School

**Location:** 2nd Floor Southeast Block

AFDs used:

Yes

Project #: AE220516

Date: 6/22/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Chad Grossa

					1
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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></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	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 conduc	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools

**Building:** Community High School Location: 2nd Floor Southeast Block

Project #: AE220516 **Date:** 6/22/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: **Chad Grossa** 

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### **Materials Abated - Quantity & Location**

### **Workers / Accreditation Numbers**

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date:

PWO: 10/21/2021

Supervisor

N/A (No abate. activities) Personal #:

Reyna V. Ramirez G. Type: Worker Name: A58200 Accred #: Training: 11/22/2022 Exp. Date: Fit test: Bag-out PWO: Activity:

N/A (No abate. activities) Personal #:

Ines Castro Type: Worker Name: A58233 Training: Accred #: 11/30/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO:

PS1 Personal #:

Activity:

Cruz Torres Type: Worker Name: A58158 Training: Accred #: Exp. Date: 11/12/2022 Fit test: Equipment & supplies Activity: PWO: N/A (No abate. activities) Personal #:

### **Workers / Accreditation Numbers**

**Bradley Altherr** Type: Supervisor Name: A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Activity: Removal of ceilings PWO: 5/16/2022

PS1 Personal #:

Jhonsell Vargas Name: A58114 Accred #:

10/28/2022 Exp. Date: Removal of ceilings Activity:

PS1 Personal #:

Osmin E. Lopez Herrera Name: A46719 Accred #: 9/30/2022 Exp. Date: Removal of ceilings Activity:

PS1 Personal #:

Omar A Granados Bermude Name: A54503 Accred #:

Exp. Date: 6/11/2023 Bag-out Activity:

N/A (No abate. activities) Personal #:

Type: Worker Training:

Fit test:

Type: Worker

Training:

Fit test:

PWO:

PWO:

Type: Worker Training: Fit test: PWO:

sf/lf/# Material Locations Other Class II 1800 2nd Floor Southeast Block

### **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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/22/2022Location:2nd Floor Southeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/22/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)		
FB1	Sample prepared on-site.		-1-	-1			2.55		
FB2	Sample prepared on-site.						3.18		
AS1	Second Floor Outside main office/decon shower	7:30 AM	240	7.985	1916	0.002	15.29		
ASI	Second Floor Outside Main office/decorr shower	11:30 AM	240	7.363	1910	0.002			
AS1R1	Second Floor Outside main office/decon shower	11:30 AM	180	7.985	1437	0.002	7.01		
ASIKI	Second Floor Outside Main office/decort shower	2:30 PM	160	7.985	1457	0.002	7.01		
AS1R2	Second Floor Outside main office/decon shower	2:30 PM	165	7.985	1318	0.002	3.82		
ASIKZ		5:15 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: Thinh Nguyen Building: Sample Collection Date: 6/22/2022 Community High School Location: 2nd Floor Southeast Block Samples Analyzed By: Thinh Nguyen Sample Analysis Date: 6/22/2022 Project #: AE220516

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Bradley Altherr	7:30 AM	645	2.0	1290	0.020	
P31 Series	brauley Artheri	5:15 PM	043	2.0	1290	0.027	*
Activity:	Removal of ceiling plaster						
PS1	Bradley Altherr	7:30 AM	270	2.0	540	0.022	33.12
h21		11:00 AM				0.022	33.12
DC4 D4	- "	11:00 AM	30	2.0	60	0.072	44.04
PS1R1	Bradley Altherr	11:30 AM	30	2.0	60	0.072	14.01
20122	B II 4111	11:30 AM	1.05	2.0	222	0.014	
PS1R2	Bradley Altherr	2:15 PM	165	2.0	330	0.011	12.10
DC4 D2	Bradley Altherr	2:15 PM	180	2.0	360		20.20
PS1R3		5:15 PM				0.019	20.38

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

# ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Client: Ann Arbor Public Schools Date: 6/23/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** 2nd Floor Southeast Block **Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Project #: AE220516 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)	No	
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A	
Conducted by: <x></x>		Conducted by: <x></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	Personal Samples Collected On:		
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Cruz Torres		
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar	
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
		Type:	HFNPR			
				Required Postings		
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	

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: 6/23/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: 2nd Floor Southeast Block

Project #: AE220516

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Shane Niblock Competent Person:

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

Workers	/ Accreditation Numbers
Name:	Shane Niblock

Type: Supervisor A43597 Training: 10/24/2021 Accred # 12/18/2022 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 7/3/2022 Activity:

N/A (No abate. activities) Personal #:

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date: PWO: 10/21/2021 Equipment & supplies Activity:

Personal #: N/A (No abate. Activities)

Personal #:

Personal #:

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: **Equipment & supplies** PWO: Activity:

N/A (No abate. activities)

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Final cleaning Activity: PWO: PS2 Personal #:

Nohemi Zamoran Type: Worker Name: Accred #: A57748 Training: 9/7/2022 Exp. Date: Fit test: Final cleaning PWO: Activity:

PS2

**Workers / Accreditation Numbers** 

Name: **Bradley Altherr** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonsell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: Personal #: N/A (No abate. activities)

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: **Equipment & supplies** PWO: Activity: N/A (No abate. activities) Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: Final cleaning Activity: PWO: PS2 Personal #:

Reyna V. Ramirez G. Type: Worker Name: Accred #: A58200 Training: 11/22/2022 Fit test: Exp. Date: Final cleaning Activity: PWO: PS2 Personal #:

Material sf/lf/# Locations Other Class II 2nd Floor Southeast Block 1800 Other Class II 600 1st Floor Café/Kitchen

#### **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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/23/2022Location:2nd Floor Southeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/23/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)	
FB1	Sample prepared on-site.		-1	-1			2.55	
FB2	Sample prepared on-site.						3.18	
AS1	Second Floor Outside main office/decon shower	7:30 AM	240	7.985	1916	0.002	14.01	
ASI	Second Floor Outside Main office/decorr shower	11:30 AM	240	7.363	1910	0.002		
AS1R1	Second Floor Outside main office/decon shower	11:30 AM	180	7.985	1437	0.002	7.01	
ASIKI	Second Floor Outside Main office/decort shower	2:30 PM	160	7.985	1437	0.002	7.01	
AS1R2	First Floor Outside Café/Kitchen	2:30 PM	165	7.985	1318	0.002	8.28	
ASIRZ		5:15 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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/23/2022Location:2nd Floor Southeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/23/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)			
-		Ī								
PS2 Series	Cruz Torres	7:30 AM	585	2.0	1170	0.030				
		5:15 PM				0.036	*			
Activity:	Final Cleaning and removal of ceiling plaster in 1st floor café									
PS2	Cruz Torres	7:30 AM	180	2.0	360	0.012	14.01			
		10:30 AM								
PS2R1	Cruz Torres	10:30 AM	180	2.0	360	0.014	15.92			
		1:30 PM								
PS2R2	Cruz Torres	1:30 PM	- 30	2.0	60	0.260	43.31			
		2:00 PM								
PS2R3	Cruz Torres	2:00 PM	195	2.0	390	0.025	28.66			
		5:15 PM								

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



Ann Arbor Public Schools

Community High School

1st Floor Café/Kitchen

AFDs used:

Yes

Client:

**Building:** 

Location:

### **ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary**

Date: 6/24/2022 Arch Environmental Group, Inc. Consultant:

> Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Abatement Information		Regulated Area Information	Air Sample Information				
OSHA Work Class	П	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Ye		
		Corrections necessary:	No	Calibrated pumps:	Ye		
Contractor Activities		Corrections made:	no	Baseline samples (BL)	N		
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work shift):	Yes	Set-up samples (SS)	N		
Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Ye		
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belov		
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Ye		
Repair:	No	Corrections necessary:	No	Above/Below PEL:	Belov		
Enclosure:	No	Corrections made:	No	Above/Below STEL:	belov		
Net methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Ye		
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	N		
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/		
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/		
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Ye		
inal cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	Ye		
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	Ye		
Conducted by:		Dumpster secure at end of day:	Yes				
ock-down activities: Yes		PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:			
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Bradley Altherr, Cruz Torre	S		
		Type:	HFNPR	A worker/workers who is/are representative of all worke			
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conducting sin			
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)			
		Туре:	HFNPR				
				Required Postings			
Criticals set-up:	Yes	Did Consultant enter enclosure:	No	Notification:	Ye		
Shower set-up:	Yes	Time (A.M.): <##:## a.m ##:## a.m.>		Supervisor/Competent Person Training: Ye			

Time (P.M.): <##:## p.m. - ##:## p.m.>



Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Name:

Accred #:

Exp. Date:

Activity:

Personal #:

**Workers / Accreditation Numbers** 

A43597

Shane Niblock

12/18/2022

Supervisor

Chad Grossa

11/2/2022

A33063

N/A (No abate. activities)

**Equipment & supplies** 

## ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 6/24/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Project Technician: Thinh Nguyen Location: 1st Floor Café/Kitchen Abatement Contractor: Environmental Maintenance Engineers, Inc.

AE220516 Shane Niblock Project #: Competent Person:

### **Abatement Personnel Information**

### **Workers / Accreditation Numbers**

Name: **Bradley Althern** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Removal of ceilings PWO: 5/16/2022 Activity:

**Abatement Personnel Information** 

Personal #: PS1

Name:

Jhonsell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS1

Type: Worker

PWO:

N/A (No abate. Activities) Personal #:

Type: Supervisor

Training: 10/24/2021

Fit test: 7/15/2022

PWO: 7/3/2022

Type: Supervisor

Training: 9/17/2021

Fit test: 7/15/2022

PWO: 10/21/2021

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

PS2

Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS2 Personal #:

Nohemi Zamoran Type: Worker Name: A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test: Removal of ceilings Activity:

PWO:

Osmin E. Lopez Herrera Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings Activity: PS1 Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS2 Personal #:

Reyna V. Ramirez G. Type: Worker Accred #: A58200 Training: 11/22/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS2 Personal #:

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	1800	2nd Floor Southeast Block
Other Class II	600	1st Floor Café/Kitchen

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 6/24/2022 Location: 1st Floor Café/Kitchen Samples Analyzed By: Thinh Nguyen 6/24/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						3.18
AS1	First Floor outside Kitchen/Café	7:30 AM 11:30 AM	240	7.985	1916	0.002	14.65
AS1R1	First Floor outside Kitchen/Café	11:30 AM 2:30 PM	180	7.985	1437	0.002	5.73
AS1R2	First Floor outside Kitchen/Café	2:30 PM 5:15 PM	165	7.985	1318	0.002	5.10
PA1	Inside Containment	12:20 PM 3:20 PM	180	8.09	1456	0.002	0.00
PA2	Inside Containment	12:20 PM 3:20 PM	180	8.021	1444	0.002	0.00
PA3	Inside Containment	12:20 PM 3:20 PM	180	8.149	1467	0.002	0.00
PA4	Inside Containment	12:20 PM 3:20 PM	180	7.862	1415	0.002	0.00
PA5	Inside Containment	12:20 PM 3:20 PM	180	8.217	1479	0.002	0.00
PA6	Outside Containment	12:00 PM 3:00 PM	180	7.84	1411	0.002	0.00
PA7	Outside Containment	12:00 PM 3:00 PM	180	8.22	1480	0.002	0.00
PA8	Outside Containment	12:00 PM 3:00 PM	180	8.2	1476	0.002	0.00
PA9	Outside Containment	12:00 PM 3:00 PM	180	8.08	1454	0.002	0.00
PA10	Outside Containment	12:00 PM 3:00 PM	180	8.19	1474	0.002	0.00

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: Thinh Nguyen Building: Community High School Sample Collection Date: 6/24/2022 1st Floor Café/Kitchen Samples Analyzed By: Location: Thinh Nguyen Project #: AE220516 Sample Analysis Date: 6/24/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Bradley Altherr	7:30 AM	585	2.0	1170	0.025	
r 31 Series	bradiey Artiferi	5:15 PM	363	2.0	1170	0.031	*
Activity:	Removal of ceiling plaster						
PS1	Bradley Altherr	7:30 AM	180	2.0	360	0.018	19.75
P31		10:30 AM				0.018	19.75
PS1R1	Direction Althouse	10:30 AM	180	2.0	360	0.022	24.20
POIKI	Bradley Altherr	1:30 PM	180	2.0	360	0.023	24.20
20122	D. H. Akil	1:30 PM	20	2.0	60	0.440	20.20
PS1R2	Bradley Altherr	2:00 PM	30	2.0	60	0.112	20.38
DC1D2	Dundley Althous	2:00 PM	105	2.0	300	0.020	22.57
PS1R3	Bradley Altherr	5:15 PM	195	2.0	390	0.020	23.57

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Cruz Torres	7:30 AM	585	2.0	1170	0.030	
F32 Series	cruz rorres	5:15 PM	363	2.0	1170	0.037	*
Activity:	Removal of ceiling plaster						
PS2	Cruz Torres	7:30 AM	180	2.0	360	0.028	29.30
F32	Jul 101163	10:30 AM	100	2.0	300		29.30
PS2R1	Cruz Torres	10:30 AM	180	2.0	360	0.028	28.66
FJZKI	Ciuz Torres	1:30 PM	180				28.00
PS2R2	Cruz Torres	1:30 PM	30	2.0	60	0.096	17.83
FJZRZ	cruz rorres	2:00 PM	30	2.0	00	0.090	17.83
PS2R3	Cruz Torres	2:00 PM	105	2.0	390	0.024	26.75
	Cruz Torres	5:15 PM	195	2.0	390	0.024	26.75

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



Ann Arbor Public Schools

AFDs used:

Yes

Client:

## **ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary**

Date: 6/25/2022 Consultant: Arch Environmental Group, Inc. Project Technician: Thinh Nguyen

**Building:** Community High School Location: 2nd Floor Southeast Block Environmental Maintenance Engineers, Inc. Abatement Contractor:

Project #: AE220516 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:	Ye	
		Corrections necessary:	No	Calibrated pumps:	Ye	
<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)	Ye	
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belov	
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:	belov	
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Ye	
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></x>		Conducted by: <x></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	Personal Samples Collected On:		
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Cruz Torres		
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	icting similar	
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
		Type:	HFNPR			
				Required Postings		
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	

Time (P.M.): <##:## p.m. - ##:## p.m.>

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

**Building:** Community High School Location:

2nd Floor Southeast Block

Project #: AE220516 **Date:** 6/25/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person:

**Shane Niblock** 

### **Abatement Personnel Information**

PWO: 7/3/2022

Type:

Training:

Fit test:

Training:

Fit test:

PWO:

PWO:

PWO:

Type: Worker

Shane Niblock Type: Supervisor

A43597 Training: 10/24/2021 Accred #: 12/18/2022 Fit test: 7/15/2022 Exp. Date:

Supervisor

**Workers / Accreditation Numbers** 

N/A (No abate. activities) Personal #:

Nohemi Zamoran

A57748 Accred #: 9/7/2022 Exp. Date:

Final cleaning Activity:

PS2 Personal #:

Name:

Activity:

Name:

Ines Castro Name: A58233 Accred #:

11/30/2022 Exp. Date: Bag-out Activity:

N/A (No abate. activities) Personal #:

Name: Accred #:

Exp. Date: 11/12/2022 Final cleaning

Activity: PS2 Personal #:

Cruz Torres Type: Worker A58158 Training: Fit test:

**Workers / Accreditation Numbers** 

Reyna V. Ramirez G. Name: A58200 Accred #:

11/22/2022 Exp. Date: Activity: Final cleaning

PS2 Personal #:

Jhonsell Vargas Name:

A58114 Accred #: 10/28/2022 Exp. Date:

Set-up Only Activity: N/A (No abate. activities) Personal #:

Osmin E. Lopez Herrera Name: A46719 Accred #: 9/30/2022 Exp. Date:

Bag-out Activity: N/A (No abate. activities) Personal #:

Omar A Granados Bermude Name:

A54503 Accred #: Exp. Date: 6/11/2023 Final cleaning

Activity: PS2 Personal #:

**Abatement Personnel Information** 

Type: Worker Training: Fit test:

PWO:

Type: Worker

Training: Fit test: PWO:

Type: Worker

Training: Fit test:

PWO:

Type: Worker Training:

Fit test: PWO: **Materials Abated - Quantity & Location** 

Material	sf/lf/#	Locations
Other Class II	1800	2nd Floor Southeast Block
Other Class II	600	1st Floor Café/Kitchen

## **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: 6/25/2022 Community High School Location: 2nd Floor Southeast Block Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 6/25/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
	T						
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						3.18
AS1	First Floor Outside Café/Kitchen	7:30 AM	180	7.985	1437	0.003	14.01
AJI	Thist floor outside care/kitchen	10:30 AM	180		1437	0.003	
AS1R1	First Floor Outside Café/Kitchen	10:30 AM	120	7.985	958	0.003	7.01
AJIKI	First Floor Outside Care/Nitchen	12:30 PM	120	7.363	938	0.003	7.01
AS1R2	First Floor Outside Café/Kitchen	12:30 PM	165	7.985	1318	0.002	10.19
AJIKZ	i iist rioor outside earcy attenen	3:15 PM	103	7.983			

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/25/2022Location:2nd Floor Southeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/25/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
1							
PS2 Series	Cruz Torres	7:30 AM	405	2.0	810	0.026	
1 32 361163	CIGE TOTICS	2:15 PM	403	2.0	010	0.022	*
Activity:	Final Cleaning and removal of ceiling plaster in 1st floor café						
DC3	Cruz Torres	7:30 AM	120	2.0	240	0.035	10.47
PS2		9:30 AM		2.0		0.025	18.47
05204	Co. Tours	9:30 AM	20	2.0	60	0.072	44.04
PS2R1	Cruz Torres	10:00 AM	30	2.0	60	0.072	14.01
25222		10:00 AM	122	2.0	240	0.004	24.20
PS2R2	Cruz Torres	12:00 PM	120	2.0		0.034	24.20
DC2D2	Court Tarmer	12:00 PM	125	3.0	270	0.010	7.01
PS2R3	Cruz Torres	2:15 PM	135	2.0		0.010	7.01

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

## **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

**Location:** 1st Floor Café/Kitchen, 2nd Floor Northeast Block

Project #: AE220516

**Building:** 

Date: 6/27/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/A
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	Yes
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	Yes
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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro, Cruz Torres	
		Type:	HFNPR	A worker/workers who is/are representative of	of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conducti	ing similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



## ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools

**Building:** Community High School

Location: 1st Floor Café/Kitchen, 2nd Floor Northeast Block

AE220516 Project #:

Date: 6/27/2022 Consultant:

Project Technician:

Arch Environmental Group, Inc.

Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Shane Niblock Competent Person:

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

Name: Shane Niblock Type: Supervisor A43597 Training: 10/24/2021 Accred #: 12/18/2022 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 7/3/2022 Activity:

N/A (No abate. activities) Personal #:

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date: PWO: 10/21/2021 Set-up Only Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Accred #: Training: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

PS2

Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS2 Personal #:

Nohemi Zamoran Type: Worker Name: A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test: Removal of ceilings Activity:

PWO:

**Workers / Accreditation Numbers** 

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Name: Jason Robinson-Howard Type: Supervisor A42060 Training: 9/17/2021 Accred #: Exp. Date: 9/30/2022 Fit test: 7/15/2022 PWO: 10/19/2021 Equipment & supplies Activity:

Personal #: N/A (No abate. activities)

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: Removal of ceilings Activity: PWO: PS2 Personal #:

Type: Worker

Training:

Fit test:

PWO:

Reyna V. Ramirez G. Name: Accred #: A58200 11/22/2022 Exp. Date: Removal of ceilings Activity: PS2 Personal #:

Material sf/lf/# Locations Other Class II 2nd Floor Northeast Block 1800 Other Class II 600 1st Floor Café/Kitchen

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 6/27/2022 Location: 1st Floor Café/Kitchen, 2nd Floor Northeast Block Samples Analyzed By: Thinh Nguyen 6/27/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						3.18
AS1	Second floor outside main office	7:30 AM 11:00 AM	210	7.985	1677	0.003	14.65
AS1R1	Second floor outside main office	11:00 AM 2:00 PM	180	7.985	1437	0.002	2.55
AS1R2	Second floor outside main office	2:00 PM 5:15 PM	195	7.985	1557	0.003	14.65
PA1	Inside Containment	8:40 AM 12:20 PM	220	8.09	1780	0.002	0.00
PA2	Inside Containment	8:40 AM 12:20 PM	220	8.021	1765	0.002	0.00
PA3	Inside Containment	8:40 AM 12:20 PM	220	8.149	1793	0.002	0.00
PA4	Inside Containment	8:40 AM 12:20 PM	220	7.862	1730	0.002	0.00
PA5	Inside Containment	8:40 AM 12:20 PM	220	8.217	1808	0.001	0.00
PA6	Outside Containment	8:30 AM 12:10 PM	220	7.84	1725	0.002	0.00
PA7	Outside Containment	8:30 AM 12:10 PM	220	8.22	1808	0.001	0.00
PA8	Outside Containment	8:30 AM 12:10 PM	220	8.2	1804	0.001	0.00
PA9	Outside Containment	8:30 AM 12:10 PM	220	8.08	1778	0.002	0.00
PA10	Outside Containment	8:30 AM 12:10 PM	220	8.19	1802	0.001	0.00

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: Thinh Nguyen Ann Arbor Public Schools Samples Collected By: **Building:** Community High School Sample Collection Date: 6/27/2022 Location: 1st Floor Café/Kitchen, 2nd Floor Northeast Block Samples Analyzed By: Thinh Nguyen Sample Analysis Date: 6/27/2022 Project #: AE220516

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series Ines Castro		1:15 PM	240	2.0	480	0.017	
	Removal of ceiling	5:15 PM	240	2.0	480	0.008	*
	Ines Castro	1:15 PM	30	2.0	60	0.045	0.00
		1:45 PM 1:45 PM					
PS1R1	Ines Castro 1:45 PM 90 3:15 PM	90	2.0	180	0.015	0.00	
PS1R2	Ines Castro	3:15 PM	120	2.0	240	0.011	0.00
		5:15 PM			1	, i	

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	Cruz Torres	1:15 PM	240	2.0	480	0.017	
P32 Series		5:15 PM	240	2.0	460	0.008	*
Activity:	removal of ceilings						
PS2	Cruz Torres	1:15 PM	30	2.0	60	0.045	0.00
P32		1:45 PM					
PS2R1	Cruz Torres	1:45 PM	90	2.0	180	0.015	0.00
PSZKI	Cruz Torres	3:15 PM	90	2.0	180	0.015	0.00
PS2R2	Cruz Torres	3:15 PM	120	2.0	240	0.011	0.00
PSZKZ	Cruz Torres	5:15 PM	120	2.0	240	0.011	0.00

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

OSHA STEL Limit = 1.0 f/cc

\* = 8 hr Time Weighted Average



Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Client:

**Building:** 

## **ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary**

Date: 6/27/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Location: Environmental Maintenance Engineers, Inc. 2nd Floor Northeast Block Abatement Contractor:

Abatement Information		Regulated Area Information		Air Sample Information		
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Ye	
		Corrections necessary:	No	Calibrated pumps:	Ye	
Contractor Activities		Corrections made:	no	Baseline samples (BL)	N	
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work shift):	Yes	Set-up samples (SS)	N	
Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Ye	
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belo	
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Ye	
Repair:	No	Corrections necessary:	No	Above/Below PEL:	Belov	
Enclosure:	No	Corrections made:	No	Above/Below STEL:	belov	
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Ye	
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	N	
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/	
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/	
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N	
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	N/	
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	N/	
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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro, Cruz Torres		
		Туре:	HFNPR	A worker/workers who is/are representative	e of all workers	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conduction	cting similar	
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
		Туре:	HFNPR			
				Required Postings		
Criticals set-up:	Yes	Did Consultant enter enclosure:	No	Notification:	Υe	
Shower set-up:	Yes	Time (A.M.): <##:## a.m ##:#	4# a.m.>	Supervisor/Competent Person Training:	Υe	

Time (P.M.): <##:## p.m. - ##:## p.m.>

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: 6/27

Building: Community High School
Location: 2nd Floor Northeast Block

Project #: AE220516

Date: 6/27/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Shane Niblock

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

 Name:
 Shane Niblock
 Type: Supervisor

 Accred #:
 A43597
 Training: 10/24/2021

 Exp. Date:
 12/18/2022
 Fit test: 7/15/2022

 Activity:
 Supervisor
 PWO: 7/3/2022

Personal #: N/A (No abate. activities)

 Name:
 Chad Grossa
 Type: Supervisor

 Accred #:
 A33063
 Training: 9/17/2021

 Exp. Date:
 11/2/2022
 Fit test: 7/15/2022

 Activity:
 Set-up Only
 PWO: 10/21/2021

Personal #: N/A (No abate. Activities)

Name: Ines Castro Type: Worker

Accred #: A58233 Training:

Exp. Date: 11/30/2022 Fit test:

Activity: Removal of ceilings PWO:

Personal #: PS1

Activity:

Personal #:

Name: Cruz Torres Type: Worker

Accred #: A58158 Training: Fit test: Activity: Removal of ceilings PWO: PS2

Name: Nohemi Zamoran Type: Worker
Accred #: A57748 Training:
Exp. Date: 9/7/2022 Fit test:

PWO:

9/7/2022 Removal of ceilings PS2 **Workers / Accreditation Numbers** 

 Name:
 Bradley Altherr
 Type: Supervisor

 Accred #:
 A45730
 Training: 5/13/2022

 Exp. Date:
 6/4/2023
 Fit test: 7/15/2022

 Activity:
 Set-up Only
 Pwo: 5/16/2022

Personal #: N/A (No abate. activities)

 Name:
 Jason Robinson-Howard
 Type: Supervisor

 Accred #:
 A42060
 Training: 9/17/2021

 Exp. Date:
 9/30/2022
 Fit test: 7/15/2022

 Activity:
 Equipment & supplies
 PWO: 10/19/2021

Personal #: N/A (No abate. activities)

Name: Osmin E. Lopez Herrera Type: Worker
Accred #: A46719 Training:
Exp. Date: 9/30/2022 Fit test:
Activity: Removal of ceilings PWO:
Personal #: PS1

Name: Omar A Granados Bermud Type: Worker
Accred #: A54503 Training:
Exp. Date: 6/11/2023 Fit test:
Activity: Removal of ceilings PWO:
Personal #: PS2

Type: Worker

Training:

Fit test:

PWO:

Name: Reyna V. Ramirez G.

Accred #: A58200

Exp. Date: 11/22/2022

Activity: Removal of ceilings

Personal #: PS2

Materials Abateu - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	1800	2nd Floor Northeast Block
Other Class II	600	1st Floor Café/Kitchen

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/27/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/27/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						0.64
FB2	Sample prepared on-site.						1.27
AS1	Second floor outside northeast block	7:30 AM 10:30 AM	180	7.985	1437	0.005	19.75
AS1R1	Second floor outside northeast block	10:30 AM 2:00 PM	210	7.985	1677	0.002	5.10
AS1R2	Second floor outside northeast block	2:00 PM 5:15 PM	195	7.985	1557	0.002	7.64

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: Thinh Nguyen Building: Community High School Sample Collection Date: 6/27/2022 Samples Analyzed By: Location: 2nd Floor Northeast Block Thinh Nguyen Project #: AE220516 Sample Analysis Date: 6/27/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
P31 Series	illes Casti 0	5:15 PM	363	2.0	1170	0.011	*
Activity:	Removal of ceiling						
DC1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
PS1		10:30 AM				0.007	0.00
PS1R1	la de Contra	10:30 AM	180	2.0	260	0.007	0.00
PSIKI	Ines Castro	1:30 PM	180	2.0	360	0.007	0.00
00403	lana Cartur	1:30 PM	20	2.0	60	0.045	
PS1R2	Ines Castro	2:00 PM	30	2.0		0.045	0.00
05403	lana Cartura	2:00 PM	195	2.0	390		
PS1R3	Ines Castro	5:15 PM				0.007	0.00

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Cruz Torres	7:30 AM	585	2.0	1170	0.009	
F32 Series	Std2 Toffes	5:15 PM	303			0.011	*
Activity:	removal of ceilings						
PS2	Cruz Torres	7:30 AM	180	2.0	360	0.007	0.00
F32		10:30 AM	180	2.0	300	0.007	0.00
PS2R1	Cruz Torres	10:30 AM	180	2.0	360	0.007	0.00
FJZKI	CIUZ TOTTES	1:30 PM	100	2.0	300	0.007	0.00
PS2R2	Cruz Torres	1:30 PM	30	2.0	60	0.045	0.00
FJZRZ	cruz rorres	2:00 PM	30	2.0	00	0.043	0.00
PS2R3	Cruz Torres	2:00 PM	195	2.0	390	0.007	0.00
P32K3	Cruz Torres	5:15 PM	195	2.0	390	0.007	0.00

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools

**Building:** Community High School

**Location:** 2nd Floor Northeast Block

AFDs used:

Yes

Project #: AE220516

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Chad Grossa

				Air Sample Information	1
Abatement Information		Regulated Area Information	Regulated Area 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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro, Cruz Torres	
		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 conduct	ing similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



## **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 6/29/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: 2nd Floor Northeast Block

Project #: AE220516

Type: Worker

Type: Worker

Type: Worker

Type: Worker

Training:

Fit test:

Training:

Fit test:

PWO:

Training:

Fit test:

PWO:

PWO:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Chad Grossa

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Workers /	<b>Accreditation</b>	Numbers

**Ariel Rivera** Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO: Personal #:

PS1

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: Exp. Date: 11/2/2022 Fit test: 7/15/2022 Set-up Only PWO: 10/21/2021 Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS2 Personal #:

PWO:

Nohemi Zamoran Type: Worker Name: A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test:

Removal of ceilings Activity:

PS2 Personal #:

**Workers / Accreditation Numbers** 

Name: **Bradley Althern** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Name: A58114 Accred #: 10/28/2022 Exp. Date: Removal of ceilings Activity: Personal #: PS1

Osmin E. Lopez Herrera Name: A46719 Accred #: 9/30/2022 Exp. Date: Removal of ceilings Activity: PS1 Personal #:

Omar A Granados Bermudi Name: A54503 Accred #: 6/11/2023 Exp. Date: Removal of ceilings Activity: PS2 Personal #:

Reyna V. Ramirez G.

Name: Accred #: Exp. Date:

A58200 11/22/2022 Removal of ceilings Activity: PS2 Personal #:

Training: Fit test: PWO: Material sf/lf/# Locations Other Class II 2nd Floor Northeast Block 1800 Other Class II 600 1st Floor Café/Kitchen

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/29/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/29/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		Г			T	<del> </del>	
FB1	Sample prepared on-site.		-1	-1-			0.64
FB2	Sample prepared on-site.						1.27
AS1	Second floor outside northeast block	7:30 AM	180	7.985	1437	0.005	19.75
AJI	Second floor outside flortifiedst block	10:30 AM	180	7.985	1437	0.003	19.75
AS1R1	Second floor outside northeast block	10:30 AM	210	7.985	1677	0.002	5.10
ASIKI	Second floor outside flortfleast block	2:00 PM	210	7.965	16//	0.002	5.10
AS1R2	Cacand floor outside northeast black	2:00 PM	195	7.985	1557	0.002	7.64
AS1R2	Second floor outside northeast block	5:15 PM	195				

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: Thinh Nguyen Building: Community High School Sample Collection Date: 6/29/2022 Location: Samples Analyzed By: 2nd Floor Northeast Block Thinh Nguyen Project #: AE220516 Sample Analysis Date: 6/29/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
P31 Series	ines Castro	5:15 PM	363	2.0	1170	0.011	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
h21		10:30 AM				0.007	0.00
PS1R1	Ines Castro	10:30 AM	180	2.0	360	0.007	0.00
PSIKI	ines castro	1:30 PM	180	2.0	360	0.007	0.00
DC4 D2	lana Cartura	1:30 PM	20	2.0	60	0.045	0.00
PS1R2	Ines Castro	2:00 PM	30	2.0	60	0.045	0.00
DC1D2	lana Castra	2:00 PM	105	2.0	390	0.007	0.00
PS1R3	Ines Castro	5:15 PM	195			0.007	0.00

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Cruz Torres	7:30 AM	585	2.0	1170	0.009	
F32 Series	2107 101163	5:15 PM	363	2.0		0.011	*
Activity:	removal of ceilings						
PS2	Cruz Torres	7:30 AM	180	2.0	360	0.007	0.00
F32		10:30 AM	180	2.0	300	0.007	0.00
PS2R1	Cruz Torres	10:30 AM	180	2.0	360	0.007	0.00
FJZKI	Ciuz Torres	1:30 PM	100	2.0	300	0.007	0.00
PS2R2	Cruz Torres	1:30 PM	30	2.0	60	0.045	0.00
F3ZKZ	cruz rorres	2:00 PM	30	2.0	00	0.043	0.00
DC2D2	Cruz Torres	2:00 PM	105	2.0	390	0.007	0.00
PS2R3	Cruz Torres	5:15 PM	195	2.0	390	0.007	0.00

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



Ann Arbor Public Schools

AFDs used:

Yes

Client:

# ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Date: 6/30/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** 2nd Floor Northeast Block **Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Chad Grossa

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Ye
		Corrections necessary:	No	Calibrated pumps:	Ye
<b>Contractor Activities</b>		Corrections made:	no	Baseline samples (BL)	N
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work shift):	Yes	Set-up samples (SS)	N
Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Ye
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belov
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Ye
Repair:	No	Corrections necessary:	No	Above/Below PEL:	Belov
Enclosure:	No	Corrections made:	No	Above/Below STEL:	belov
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Ye
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	N
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Ye
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	N/
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	N/
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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
Criticals set-up:	Yes	Yes Did Consultant enter enclosure: No Notification:		Notification:	Ye
Shower set-up:	Yes	Time (A.M.): <##:## a.m ##:#	## a.m.>	Supervisor/Competent Person Training:	Ye

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: 6/30/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Location: 2nd Floor Northeast Block

Project #: AE220516

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: **Chad Grossa** 

### **Abatement Personnel Information**

### **Abatement Personnel Information**

## Materials Abated Quantity & Location

## **Workers / Accreditation Numbers**

Name:	Ariel Rivera	Type:	Worker
Accred #:	A58105	Training:	
Exp. Date:	10/27/2022	Fit test:	
Activity:	Removal of Ceilings	PWO:	
Personal #	PS1		

Name:	Chad Grossa	Type: Supervisor
Accred #:	A33063	Training: 9/17/2021
Exp. Date:	11/2/2022	Fit test: 7/15/2022
Activity:	Set-up Only	PWO: 10/21/2021

	•	
Personal #:	N/A (No abate	. Activities)

Name:	Ines Castro	Type:	Worker
Accred #:	A58233	Training:	
Exp. Date:	11/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Personal #:	PS1		

Name:	Cruz Torres	Type:	Worker
Accred #:	A58158	Training:	
Exp. Date:	11/12/2022	Fit test:	
Activity:	Set-up Only	PWO:	
Personal #:	N/A (No abate, activities)		

Name:	Jason Robinson-Howard	Type: Supervisor
Accred #:	A42060	Training: 9/17/2021
Exp. Date:	9/30/2022	Fit test: 7/15/2022
Activity:	Set-up Only	PWO: 10/19/2021

Personal #:	N/A	(No abate.	activities)

## **Workers / Accreditation Numbers**

Name:	Bradley Altherr	Type: Supervisor
Accred #:	A45730	Training: 5/13/2022
Exp. Date:	6/4/2023	Fit test: 7/15/2022
Activity:	Set-up Only	PWO: 5/16/2022
Personal #:	N/A (No abate. activities)	

Name:	Jhonssell Vargas	Type:	Worker
Accred #:	A58114	Training:	
Exp. Date:	10/28/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Porconal #:	DS1		

Name:	Osmin E. Lopez Herrera	Type:	Worker
Accred #:	A46719	Training:	
Exp. Date:	9/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Personal #	PS1		

Type: Worker

Name:	Omar A Granados Bermud	Type:
Accred #:	A54503	Training:
Exp. Date:	6/11/2023	Fit test:
Activity:	Equipment & supplies	PWO:
Personal #:	N/A (No abate. activities)	

Name:	Nathaniel Hill	Type: Supervisor
Accred #:	A30676	Training: 11/28/2021
Exp. Date:	3/11/2023	Fit test: 7/15/2022
Activity:	Set-up only	PWO: 8/19/2021
Personal #:	N/A (No abate. activities)	

iviateriais	Abatea -	Quantity	Čι	Location	

Material	sf/lf/#	Locations
Other Class II	600	Room 208
Other Class II	1200	Second floor Northeast Block

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 6/30/2022 Location: 2nd Floor Northeast Block Samples Analyzed By: Thinh Nguyen 6/30/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						0.64
FB2	Sample prepared on-site.						1.27
AS1	Second floor outside northeast block	7:30 AM 10:30 AM	180	7.985	1437	0.002	5.73
AS1R1	Second floor outside northeast block	10:30 AM 2:00 PM	210	7.985	1677	0.002	10.19
AS1R2	Second floor outside northeast block	2:00 PM 5:15 PM	195	7.985	1557	0.002	3.82
PA1	Inside Containment	1:40 PM 5:00 PM	200	8.09	1618	0.002	0.00
PA2	Inside Containment	1:40 PM 5:00 PM	200	8.021	1604	0.002	0.00
PA3	Inside Containment	1:40 PM 5:00 PM	200	8.149	1630	0.002	0.00
PA4	Inside Containment	1:40 PM 5:00 PM	200	7.862	1572	0.002	0.00
PA5	Inside Containment	1:40 PM 5:00 PM	200	8.217	1643	0.002	0.00
PA6	Outside Containment	1:40 PM 5:00 PM	200	7.84	1568	0.002	0.00
PA7	Outside Containment	1:40 PM 5:00 PM	200	8.22	1644	0.002	0.00
PA8	Outside Containment	1:40 PM 5:00 PM	200	8.2	1640	0.002	0.00
PA9	Outside Containment	1:40 PM 5:00 PM	200	8.08	1616	0.002	0.00
PA10	Outside Containment	1:40 PM 5:00 PM	200	8.19	1638	0.002	0.00

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:6/30/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 6/30/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
-	<u></u>						
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
1 31 Series	ines custro	5:15 PM		2.0	1170	0.011	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
P31	lines castro	10:30 AM	180	2.0	360	0.007	0.00
DC4 D4	la co Cookea	10:30 AM	100	2.0	260	0.007	0.00
PS1R1	Ines Castro	1:30 PM	180	2.0	360	0.007	0.00
DC4 D2	la co Cookea	1:30 PM	20	2.0	60	0.045	0.00
PS1R2	Ines Castro	2:00 PM	30	2.0	60	0.045	0.00
DC4 D2	la co Contro	2:00 PM	105	2.0	200	0.007	0.00
PS1R3	Ines Castro	5:15 PM	195	2.0	390	0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

# ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Client: Ann Arbor Public Schools Date: 7/1/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** 2nd Floor Northeast Block **Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Chad Grossa

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
<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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		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 conduct	ing similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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
_					

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: 7/1/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Project Technician: Location: 2nd Floor Northeast Block Abatement Contractor:

Project #: AE220516 Competent Person: Chad Grossa

Personal #:

Name:

### Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

Name: Ariel Rivera Type: Worker A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** PWO: Activity: PS1 Personal #:

**Abatement Personnel Information** 

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: Exp. Date: 11/2/2022 Fit test: 7/15/2022 Set-up Only PWO: 10/21/2021 Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Accred #: Training: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

## **Workers / Accreditation Numbers**

Name: **Bradley Altherr** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities)

**Abatement Personnel Information** 

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: Personal #: PS1

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Type: Worker

PWO:

Nohemi Zamoran A57748 Accred #: Training: Exp. Date: 9/7/2022 Fit test: Set-up only Activity: N/A (No abate. activities) Personal #:

Environmental Maintenance Engineers, Inc.

Thinh Nguyen

Material sf/lf/# Locations Other Class II 1200 Second floor Northeast Block

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/1/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/1/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		<u> </u>			<u> </u>	1	
FB1	Sample prepared on-site.						0.64
FB2	Sample prepared on-site.						1.27
AS1	Second floor outside northeast block	7:30 AM	180	7.985	1437	0.002	7.01
AJI	Second floor outside flortificast block	10:30 AM	100	7.565	1437	0.002	7.01
AS1R1	Second floor outside northeast block	10:30 AM	210	7.985	1677	0.003	12.74
ASIKI	Second floor outside flortifiedst block	2:00 PM	210	7.965	16//	0.005	12.74
AS1R2	Second floor outside northeast block	2:00 PM	105	7.985	1557	0.002	6 27
ASIRZ	Jaecona nooi oatside noi trieast block	5:15 PM	195	7.365	1357	0.002	6.37

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/1/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/1/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	*
Activity:	Removal of ceiling	5:15 PM				0.011	*
PS1	Ines Castro	7:30 AM 10:30 AM	180	2.0	360	0.007	0.00
PS1R1	Ines Castro	10:30 AM 1:30 PM	180	2.0	360	0.007	0.00
PS1R2	Ines Castro	1:30 PM 2:00 PM	30	2.0	60	0.045	0.00
PS1R3	Ines Castro	2:00 PM 5:15 PM	195	2.0	390	0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Client: Ann Arbor Public Schools

AFDs used:

Yes

Building: Community High School

**Location:** 2nd Floor Northeast Block

Project #: AE220516

Date: 7/5/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Chad Grossa

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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		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 conduc	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



Name:

Accred #:

Exp. Date:

Activity:

## **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/5/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Project Technician: Thinh Nguyen

Location: 2nd Floor Northeast Block Abatement Contractor: Environmental Maintenance Engineers, Inc.

AE220516 Project #: **Competent Person:** Chad Grossa

### **Abatement Personnel Information**

## **Workers / Accreditation Numbers**

**Ariel Rivera** Type: Worker Name: **Bradley Altherr** Type: Supervisor A58105 Training: A45730 Training: 5/13/2022 Accred #: 10/27/2022 6/4/2023 Fit test: 7/15/2022 Fit test: Exp. Date: **Removal of Ceilings** PWO:

Name:

PS1 N/A (No abate. activities) Personal #: Personal #

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 10/21/2021 Activity:

N/A (No abate. Activities) Personal #:

**Workers / Accreditation Numbers** 

**Ines Castro** Type: Worker Name: A58233 Training: Accred #: 11/30/2022 Exp. Date: Fit test: Removal of ceilings PWO: Activity: PS1 Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Fit test: Exp. Date: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #

Jason Robinson-Howard Type: Supervisor Name: Training: 9/17/2021 A42060 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

Set-up Only PWO: 5/16/2022 Activity:

**Abatement Personnel Information** 

**Jhonssell Vargas** Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS1 Personal #:

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermud Type: Worker Name: A54503 Training: Accred #: 6/11/2023 Exp. Date: Fit test: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Nohemi Zamoran Type: Worker A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test: Set-up only PWO: Activity: N/A (No abate. activities) Personal #:

### Materials Abated - Quantity & Location

Material	sf/lf/#	Locations
Other Class II	1800	Room 215/217
Other Class II	1200	Second floor Northeast Block

#### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/5/2022

Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh NguyenProject #:AE220516Sample Analysis Date:7/5/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside northeast block	7:30 AM 10:30 AM	180	7.985	1437	0.002	7.01
AS1R1	Second floor outside northeast block	10:30 AM 2:00 PM	210	7.985	1677	0.002	10.19
AS1R2	Second floor outside northeast block	2:00 PM 5:15 PM	195	7.985	1557	0.002	11.46

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/5/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/5/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
F31 Series	illes Castio	5:15 PM	363	2.0	1170	0.011	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
P31	illes Casti o	10:30 AM	160	2.0	300	0.007	0.00
PS1R1	lace Coetro	10:30 AM	180	2.0	360	0.007	0.00
POIKI	Ines Castro	1:30 PM	180	2.0	360	0.007	0.00
DC4 D2	lana Castra	1:30 PM	20	2.0	60	0.045	0.00
PS1R2	Ines Castro	2:00 PM	30	2.0	60	0.045	0.00
DC1 D2	Inoc Costro	2:00 PM	105	2.0	390	0.007	0.00
PS1R3	Ines Castro	5:15 PM	195	2.0	390	0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



Ann Arbor Public Schools

Community High School

AFDs used:

Yes

2nd Floor Northeast Block

Client:

**Building:** 

Location:

## **ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary**

Date: 7/6/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

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)	No		
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A		
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/A		
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes		
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				
ock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:			
Fear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro			
		Type:	HFNPR	A worker/workers who is/are representative of			
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:	No	Notification:	Yes		
Shower set-up:	Yes	Time (A.M.): <##:## a.m ##:#	## a.m.>	Supervisor/Competent Person Training:	ining: Yes		

Time (P.M.): <##:## p.m. - ##:## p.m.>

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: 7/6/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Proiect Technician: Thinh Nguyen

Name:

2nd Floor Northeast Block Abatement Contractor: Environmental Maintenance Engineers, Inc. Location: AE220516 Project #: **Competent Person:** Chad Grossa

### **Abatement Personnel Information**

## **Abatement Personnel Information**

## Materials Abated - Quantity & Location

### Workers / Accreditation Numbers

**Ariel Rivera** Name: Type: Worker A58105 Training: Accred #: 10/27/2022 Fit test: Exp. Date: **Removal of Ceilings** PWO: Activity: PS1 Personal #:

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 10/21/2021 Activity:

N/A (No abate. Activities) Personal #:

**Ines Castro** Type: Worker Name: A58233 Accred #: Training: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Fit test: Exp. Date: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #

Jason Robinson-Howard Type: Supervisor Name: Training: 9/17/2021 A42060 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

Name: **Bradley Altherr** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: PWO: 5/16/2022 Set-up Only Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: PS<sub>1</sub> Personal #:

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: Personal #:

Omar A Granados Bermud Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Exp. Date: Fit test: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Nohemi Zamoran Type: Worker A57748 Training: Accred #: 9/7/2022 Exp. Date: Fit test: Set-up only PWO: Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Room 215/217 Other Class II 1800 Other Class II 1200 Second floor Northeast Block Other Class II 1800

#### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/6/2022 Location: 2nd Floor Northeast Block Samples Analyzed By: Thinh Nguyen 7/6/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside northeast block	7:30 AM 10:30 AM	180	7.985	1437	0.003	14.01
AS1R1	Second floor outside northeast block	10:30 AM 2:00 PM	210	7.985	1677	0.002	12.10
AS1R2	Second floor outside northeast block	2:00 PM 5:15 PM	195	7.985	1557	0.005	20.38
PA1	Inside Containment	10:50 AM 2:10 PM	200	8.09	1618	0.002	0.00
PA2	Inside Containment	10:50 AM 2:10 PM	200	8.021	1604	0.002	0.00
PA3	Inside Containment	10:50 AM 2:10 PM	200	8.149	1630	0.002	0.00
PA4	Inside Containment	10:50 AM 2:10 PM	200	7.862	1572	0.002	0.00
PA5	Inside Containment	10:50 AM 2:10 PM	200	8.217	1643	0.002	0.00
PA6	Outside Containment	10:30 AM 1:50 PM	200	7.84	1568	0.002	0.00
PA7	Outside Containment	10:30 AM 1:50 PM	200	8.22	1644	0.002	0.00
PA8	Outside Containment	10:30 AM 1:50 PM	200	8.2	1640	0.002	0.00
PA9	Outside Containment	10:30 AM 1:50 PM	200	8.08	1616	0.002	0.00
PA10	Outside Containment	10:30 AM 1:50 PM	200	8.19	1638	0.002	0.00

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 SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/6/2022Location:2nd Floor Northeast BlockSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/6/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
kat selies		5:15 PM				0.011	*
Activity:	Removal of ceiling						
DC4	land Control	7:30 AM	180	2.0	360	0.007	0.00
PS1	Ines Castro	10:30 AM	160	2.0	360	0.007	
PS1R1	Inoc Cactro	10:30 AM	190	2.0	360	0.007	0.00
	Ines Castro	1:30 PM	180	2.0	360	0.007	0.00
PS1R2	lana Castra	1:30 PM	30	2.0	60	0.045	*
	Ines Castro	2:00 PM	30	2.0	60	0.045	
PS1R3	lace Coetro	2:00 PM	195	2.0	390	0.007	0.00
	Ines Castro	5:15 PM		2.0		0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

## **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Location: Throughout Second Floor

Project #: AE220516

**Building:** 

Date: 7/7/2022 Consultant:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Arch Environmental Group, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Chad Grossa

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	
<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)	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></x>		Conducted by: <x></x>		Aggressive:	N/A	
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes	
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	Personal Samples Collected On:		
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro		
		Type:	HFNPR	A worker/workers who is/are representative of all worker		
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conducting simi		
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
		Type:	HFNPR			
				Required Postings		
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	

Time (P.M.): <##:## p.m. - ##:## p.m.>



### ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/7/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc. Location:

AE220516 Project #: **Competent Person:** Chad Grossa

### **Abatement Personnel Information**

#### **Abatement Personnel Information** Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

Ariel Rivera Name: Type: Worker A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** PWO: Activity: PS1 Personal #:

Type: Supervisor Training: 9/17/2021 Fit test: 7/15/2022 PWO: 10/21/2021

Supervisor N/A (No abate. Activities) Personal #:

Chad Grossa

11/2/2022

A33063

Name:

Accred #:

Exp. Date:

Activity:

**Ines Castro** Type: Worker Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Fit test: Exp. Date: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: Training: 9/17/2021 A42060 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity: N/A (No abate. activities) Personal #:

Jhonssell Vargas Type: Worker Name: A58114 Accred #: Training: Exp. Date: 10/28/2022 Fit test: Removal of ceilings Activity: PWO: PS1 Personal #:

Osmin E. Lopez Herrera Name: Type: Worker A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Type: Worker

PWO:

Omar A Granados Bermud Name: A54503 Accred #: Training: 6/11/2023 Exp. Date: Fit test: **Equipment & supplies** Activity: N/A (No abate. activities) Personal #:

Nohemi Zamoran Type: Worker Name: A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test: Set-up only PWO: Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Other Class II Room 215/217 1800 Other Class II 1200 Second floor Northeast Block Other Class II 1800 Room 207

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/7/2022 Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: 7/7/2022 Project #: AE220516

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
	T				I	1	
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside northeast block	7:30 AM	180	7.985	1437	0.003	14.01
A31	Second floor outside flortificast block	10:30 AM	100	7.505	1437	0.003	14.01
AS1R1	Second floor outside northeast block	10:30 AM	210	7.985	1677	0.004	19.75
ASIKI	Second floor outside northeast block	2:00 PM	210		16//	0.004	
AS1R2	Second floor outside northeast block	2:00 PM	195	7.985	1557	0.002	11.46
ASIKZ	Second floor outside northeast block	5:15 PM	195	7.985			

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: Thinh Nguyen Building: Sample Collection Date: 7/7/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/7/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	lance Contro	7:30 AM	180	2.0	360	0.015	
PSI Series	Ines Castro	10:30 AM	100	2.0	300	0.006	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	150	2.0	300	0.009	0.00
P31		10:00 AM	130		300	0.009	0.00
PS1R1	Ines Castro	10:00 AM	30	2.0	60	0.045	0.00
PSIKI	illes Castro	10:30 AM	30			0.043	0.00

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

OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



### ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Location: Throughout Second Floor

Project #: AE220516

Building:

Date: 7/8/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Chad Grossa

		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)	No	
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A	
Conducted by: <x></x>		Conducted by: <x></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	Personal Samples Collected On:		
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro		
		Туре:	HFNPR	A worker/workers who is/are representative of	of all workers	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conduct	ing similar	
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
		Туре:	HFNPR			
				Required Postings		
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	

Time (P.M.): <##:## p.m. - ##:## p.m.>



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/8/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Location: Throughout Second Floor Abatement Contractor:

Project #: AE220516 Competent Person: Chad Grossa

### **Abatement Personnel Information**

A58233

PS1

11/30/2022

**Cruz Torres** 

11/12/2022

Set-up Only

N/A (No abate. activities)

Jason Robinson-Howard

N/A (No abate. activities)

A58158

A42060

9/30/2022

Set-up Only

Removal of ceilings

Accred #:

Exp. Date:

Personal #:

Activity:

Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Name:

Accred #:

Exp. Date:

Personal #:

Activity:

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Environmental Maintenance Engineers, Inc.

Thinh Nguyen

Workers /	Accreditation Numbers			Workers ,	Accreditation Numbers		
Name:	Ariel Rivera	Type:	Worker	Name:	Bradley Altherr	Type:	Supervisor
Accred #:	A58105	Training:		Accred #:	A45730	Training:	5/13/2022
Exp. Date:	10/27/2022	Fit test:		Exp. Date:	6/4/2023	Fit test:	7/15/2022
Activity:	Removal of Ceilings	PWO:		Activity:	Set-up Only	PWO:	5/16/2022
Personal #:	PS1			Personal #:	N/A (No abate. activities)		
Name:	Chad Grossa	Type:	Supervisor	Name:	Jhonssell Vargas	Type:	Worker
Accred #:	A33063	Training:	9/17/2021	Accred #:	A58114	Training:	
Exp. Date:	11/2/2022	Fit test:	7/15/2022	Exp. Date:	10/28/2022	Fit test:	
Activity:	Supervisor	PWO:	10/21/2021	Activity:	Removal of ceilings	PWO:	
Personal #:	N/A (No abate. Activities)			Personal #:	PS1		
Name:	Ines Castro	Type:	Worker	Name:	Osmin E. Lopez Herrera	Type:	Worker

Training:

Fit test:

Training:

Fit test:

PWO:

PWO:

Type: Worker

Type: Supervisor

Training: 9/17/2021

Fit test: 7/15/2022

PWO: 10/19/2021

Name:	Osmin E. Lopez Herrera	Type:	Worker	
Accred #:	A46719	Training:		
Exp. Date:	9/30/2022	Fit test:		
Activity:	Removal of ceilings	PWO:		
Personal #:	PS1			

Name:	Omar A Granados Bermud	Type:	Worker
Accred #:	A54503	Training:	
Exp. Date:	6/11/2023	Fit test:	
Activity:	Equipment & supplies	PWO:	
Personal #:	N/A (No abate. activities)		

i craonarw.	14/11 (140 abate: activities)		
Name:	Nohemi Zamoran	Type:	Worker
Accred #:	A57748	Training:	
Exp. Date:	9/7/2022	Fit test:	
Activity:	Set-up only	PWO:	
Personal #:	N/A (No abate. activities)		

Material	sf/lf/#	Locations	
Other Class II	1800	Room 215/217	
Other Class II	1800	Room 207	

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: 7/8/2022 Sample Collection Date: Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: 7/8/2022 Project #: AE220516

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		ı			T	<del> </del>	
FB1	Sample prepared on-site.		-				1.27
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 215/217	7:30 AM	180	7.985	1437	0.002	7.01
ASI	Second floor outside Room 213/217	10:30 AM	100	7.363	1437	0.002	7.01
AS1R1	Second floor outside Room 215/217	10:30 AM	210	7.985	1677	0.002	3.82
ASIKI	econd floor outside Room 215/217	2:00 PM	210		16//	0.002	3.82
AS1R2	Second floor outside Poem 215/217	2:00 PM	195	7.985	1557	0.002	10.19
ASIRZ	Second floor outside Room 215/217	5:15 PM	195				

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: Thinh Nguyen Building: Sample Collection Date: 7/8/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/8/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
-							
PS1 Series	Ines Castro	7:30 AM	585	2.0	1170	0.009	
F31 Selles	illes Castio	5:15 PM	363	2.0	1170	0.011	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	150	2.0	300	0.009	0.00
P31		10:00 AM	150			0.009	0.00
DC1 D1	Ines Castro	10:00 AM	20	2.0	60	0.045	0.00
PS1R1		10:30 AM	30			0.045	0.00
DC4 D2	lana Castra	10:30 AM	240	2.0	420	0.006	2.22
PS1R2	Ines Castro	2:00 PM	210	2.0	420	0.006	0.00
DC4 D2	lana Castra	2:00 PM	105	2.0	390	0.007	0.00
PS1R3	Ines Castro	5:15 PM	195			0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



### ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Location: Throughout Second Floor

Project #: AE220516

Building:

Date: 7/9/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Chad Grossa

Abatement Information		Regulated Area Information		Air Sample Information	
Abatement information		Regulated Area information		All 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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Туре:	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 conduct	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Туре:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Name:

Accred #:

Exp. Date:

Activity:

### ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/9/2022 Consultant: Arch Environmental Group, Inc.

Community High School Project Technician: Building:

Type: Worker

Type: Supervisor

Training: 9/17/2021

Fit test: 7/15/2022

PWO: 10/21/2021

Training:

Fit test:

PWO:

Location: Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

AE220516 Project #: **Competent Person:** Chad Grossa

### **Abatement Personnel Information**

### **Workers / Accreditation Numbers**

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

**Abatement Personnel Information** 

N/A (No abate. activities) Personal #:

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: Exp. Date: 10/28/2022 Fit test: Removal of ceilings Activity: PWO: PS1 Personal #:

Supervisor N/A (No abate. Activities) Personal #:

**Workers / Accreditation Numbers** 

**Ariel Rivera** 

10/27/2022

Chad Grossa

11/2/2022

A33063

**Removal of Ceilings** 

A58105

PS1

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Fit test: Exp. Date: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #

Jason Robinson-Howard Type: Supervisor Name: Training: 9/17/2021 Accred #: A42060 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermud Type: Worker Name: A54503 Training: Accred #: 6/11/2023 Fit test: Exp. Date: **Equipment & supplies** PWO: Activity: N/A (No abate. activities) Personal #

Nohemi Zamoran Type: Worker Name: A57748 Accred #: Training: 9/7/2022 Exp. Date: Fit test: Set-up only PWO: Activity: N/A (No abate. activities) Personal #

### Materials Abated - Quantity & Location

Thinh Nguyen

Material	sf/lf/#	Locations
Other Class II	1800	Room 215/217
Other Class II	30	First floor café, room 202-208
Other Class II	1800	Room 207

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/9/2022

Location:Throughout Second FloorSamples Analyzed By:Thinh NguyenProject #:AE220516Sample Analysis Date:7/9/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						1.27
FB2	Sample prepared on-site.						1.91
AC1	Consider the Page 215 /217	7:30 AM	180	7.985	1437	0.002	4.46
AS1	Second floor outside Room 215/217	10:30 AM	180	7.983	1437	0.002	4.46
AS1R1	Second floor outside Room 215/217	10:30 AM	120	7.985	958	0.003	5.10
ASINI	Second floor outside Room 213/217	12:30 PM	120				
AS1R2	Second floor outside Room 215/217	12:30 PM	180	7.985	1437	0.002	5.10
AJIKZ	Second floor outside floorii 213/217	3:30 PM	180	7.565		0.002	3.10
PA1	First floor café	10:00 AM	135	14.62	1974	0.001	0.00
171	This hoof care	12:15 PM	133	14.02	1374	0.001	0.00
PA2	Room 208	11:30 PM	135	14.4	1944	0.001	0.00
1 A2	100111 200	1:45 PM	1:45 PM	14.4		0.001	
PA3	Room 202/204	12:00 PM	135	15.03	2029	0.001	0.00
1 43	100111 202/204	2:15 PM	133				0.00

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: Thinh Nguyen Building: Sample Collection Date: 7/9/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/9/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	nes Castro	7:30 AM	300	2.0	600	0.013	
1 31 Series	incs castro	12:30 PM	300		000	0.008	*
Activity:	Removal of plaster						
PS1	Ines Castro	7:30 AM	150	2.0	300	0.009	0.00
P31	lines Castro	10:00 AM	150	2.0	300	0.009	0.00
PS1R1	Inoc Costro	10:00 AM	30	2.0	60	0.045	0.00
POIKI	nes Castro	10:30 AM	30	2.0	60	0.045	0.00
PS1R2	Inoc Castro	10:30 AM	120	2.0	240	0.044	0.00
PSIRZ	nes Castro	12:30 PM	120	2.0		0.011	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

Client:

## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Ann Arbor Public Schools Date: 7/11/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Chad Grossa

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Ye
		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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

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: 7/11/2022 Consultant:

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Arch Environmental Group, Inc.

Type: Worker

Type: Worker

Type: Worker

Training:

Fit test:

Training:

Fit test:

Training:

Fit test:

PWO:

PWO:

PWO:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Chad Grossa

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Workers	/ Accreditation	Numbers
---------	-----------------	---------

Type: Worker Name: **Ariel Rivera** A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO:

PS1 Personal #:

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: Exp. Date: 11/2/2022 Fit test: 7/15/2022 PWO: 10/21/2021 Supervisor Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: Personal #: PS1

Osmin E. Lopez Herrera Name:

A46719 Accred #: 9/30/2022 Exp. Date:

Removal of ceilings Activity: PS1 Personal #:

Omar A Granados Bermudi Name: A54503 Accred #: 6/11/2023 Exp. Date:

**Equipment & supplies** Activity: N/A (No abate. activities) Personal #:

Nohemi Zamoran Name: A57748 Accred #: Exp. Date: 9/7/2022 Set-up only Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Other Class II 1800 Room 215/217 Other Class II 1800 Room 207

**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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/11/2022 Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen 7/11/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 215/217	7:30 AM 10:30 AM	180	7.985	1437	0.002	5.73
AS1R1	Second floor outside Room 215/217	10:30 AM 2:00 PM	210	7.985	1677	0.002	7.01
AS1R2	Second floor outside Room 215/217	2:00 PM 5:15 PM	195	7.985	1557	0.002	3.82
PA1	Inside Containment	8:30 AM 11:45 AM	195	8.09	1578	0.002	0.00
PA2	Inside Containment	8:30 AM 11:45 AM	195	8.021	1564	0.002	0.00
PA3	Inside Containment	8:30 AM 11:45 AM	195	8.149	1589	0.002	0.00
PA4	Inside Containment	8:30 AM 11:45 AM	195	7.862	1533	0.002	0.00
PA5	Inside Containment	8:30 AM 11:45 AM	195	8.217	1602	0.002	0.00
PA6	Outside Containment	8:00 AM 11:15 AM	195	7.85	1531	0.002	0.00
PA7	Outside Containment	8:00 AM 11:15 AM	195	8.22	1603	0.002	0.00
PA8	Outside Containment	8:00 AM 11:15 AM	195	8.2	1599	0.002	0.00
PA9	Outside Containment	8:00 AM 11:15 AM	195	8.08	1576	0.002	0.00
PA10	Outside Containment	8:00 AM 11:15 AM	195	8.19	1597	0.002	0.00

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: Thinh Nguyen Building: Sample Collection Date: 7/11/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/11/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
	T	7:30 AM				0.009	
PS1 Series	Ines Castro	5:15 PM	585	2.0	1170	0.011	*
Activity:	Removal of ceiling						
PS1	Castro	7:30 AM	180	2.0	360	0.007	0.00
P31	Ines Castro	10:30 AM	160			0.007	0.00
PS1R1	Ines Castro	10:30 AM	180	2.0	360	0.007	0.00
POIKI	illes Castro	1:30 PM	160	2.0	300	0.007	0.00
PS1R2	Ines Castro	1:30 PM	30	2.0	60	0.045	0.00
PSIRZ	nes Castro	2:00 PM	30	2.0	60	0.045	0.00
PS1R3	Inoc Cactro	2:00 PM	105	2.0	390	0.007	0.00
r31K3	Ines Castro	5:15 PM	195			0.007	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

Client:

# ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Ann Arbor Public Schools Date: 7/12/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Chad Grossa

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Ye
		Corrections necessary:	No	Calibrated pumps:	Ye
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)	Ye
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belov
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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>

**OSHA Personal Sampling Posting:** 

Yes



Name:

Accred #:

Personal #:

### ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/12/2022 Consultant:

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Chad Grossa

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

Chad Grossa

A33063

Name: **Ariel Rivera** Type: Worker A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO: PS1 Personal #:

Type: Supervisor Training: 9/17/2021

Exp. Date: 11/2/2022 Fit test: 7/15/2022 PWO: 10/21/2021 Supervisor Activity: Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO:

N/A (No abate. activities)

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: Personal #: PS1

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Type: Worker

Fit test:

PWO:

Nohemi Zamoran A57748 Accred #: Training: Exp. Date: 9/7/2022 Set-up only Activity: N/A (No abate. activities) Personal #:

Name:

Material sf/lf/# Locations Other Class II 1800 Room 207

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: 7/12/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 7/12/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		1			1	, ,	
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 207	7:30 AM	180	7.985	1437	0.002	8.28
ASI	Second floor outside Room 207	10:30 AM	160	7.965	1457	0.002	0.20
AS1R1	Second floor outside Room 207	10:30 AM	210	7.985	1677	0.002	11.46
AJIKI	Second floor outside Room 207	2:00 PM	210	7.363	10//	0.002	11.40
AS1R2	Second floor outside Room 207	2:00 PM	195	7.985	1557	0.002	2 02
ASINZ	econd floor outside Room 207	5:15 PM	195	7.363	1357	0.002	3.82

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: Thinh Nguyen Building: Sample Collection Date: 7/12/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/12/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	210	2.0	420	0.013	
F31 Series	ines Casti 0	11:00 AM	210	2.0	420	0.006	*
Activity:	Removal of ceiling						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
F31	ines Castro	10:30 AM	180	2.0	300	0.007	0.00
PS1R1	Inoc Castro	10:30 AM	30	2.0	60	0.045	0.00
PSIRI	nes Castro	11:00 AM	30	2.0		0.045	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

### **ASBESTOS DAILY PROJECT REPORTS**

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools Date: 7/13/2022 Consultant: Arch Environmental Group, Inc.

Building: Thinh Nguyen Community High School Project Technician:

Location: **Throughout Second Floor** Environmental Maintenance Engineers, Inc. Abatement Contractor:

Project #: AE220516 Competent Person: Chad Grossa

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	Ш	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Туре:	HFNPR	A worker/workers who is/are representative	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are conduc	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>

### Yes OSHA Personal Sampling Posting: Yes



### ASBESTOS DAILY PROJECT REPORTS **Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: 7/13/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Chad Grossa

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Morkors /	Accreditation	Numbers
workers /	Accreditation	numbers

Ariel Rivera Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO: PS1 Personal #:

PWO:

Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 Accred #: Exp. Date: 11/2/2022 Fit test: 7/15/2022 Supervisor PWO: 10/21/2021 Activity:

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date:

N/A (No abate. Activities)

Removal of ceilings Activity: PS1 Personal #:

Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

Personal #:

Name:

Accred #:

Exp. Date:

Activity:

Name: **Bradley Altherr** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 5/16/2022 Activity:

N/A (No abate. activities)

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO: Personal #: PS1

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermudi Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Nohemi Zamoran A57748 9/7/2022 Set-up only N/A (No abate. activities) Personal #:

Type: Worker Training: Fit test: PWO:

Material	sf/lf/#	Locations
Other Class II	100	Throughout Second Floor
Other Class II	1800	Room 207

### **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?



Throughout Second Floor

Location:

## ASBESTOS DAILY PROJECT REPORTS Air Sample Analysis Information

Samples Analyzed By:

Thinh Nguyen

Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/13/2022

Project #: AE220516 Sample Analysis Date: 7/13/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 207	7:30 AM 10:30 AM	180	7.985	1437	0.002	7.01
AS1R1	Second floor outside Room 207	10:30 AM 2:00 PM	210	7.985	1677	0.002	11.46
AS1R2	Second floor outside Room 207	2:00 PM 5:15 PM	195	7.985	1557	0.002	10.19
PA1	Northeast block of classrooms	2:00 PM 4:15 PM	135	14.4	1944	0.001	0.00

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: Thinh Nguyen Building: Sample Collection Date: 7/13/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/13/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
			I			1 1	
PS1 Series	Ines Castro	9:30 AM	270	2.0	540	0.015	
		2:00 PM			540	0.008	*
Activity:	Removal of wall plaster cutouts						
PS1	Ines Castro	9:30 AM	30	2.0	60	0.045	0.00
F31	ines Castro	10:00 AM	30		00	0.043	0.00
PS1R1	Ines Castro	10:00 AM	180	2.0	360	0.007	0.00
PSIKI	ines Castro	1:00 PM	180	2.0	360	0.007	0.00
DC1D2	Ines Castro	1:00 PM	- 60	2.0	120	0.022	0.00
PS1R2		2:00 PM				0.022	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



### ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community Highschool

**Location:** Second Floor ceiling tiles

Project #: AE220516

Building:

Date: July 14, 2022

Consultant: Arch Environmental Group, Inc.

Project Technician: Kami Karas

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Competent Person: Bradley F. Altherr

Abatement Information		Regulated Area Information	on	Air Sample Information		
OSHA Work Class	I, II	Enclosure Integrity Check (start of work shi	ft): Yes	Air samples collected:	Yes	
		Corrections necessary:	Yes	Calibrated pumps:	Yes	
Contractor Activities		Corrections made:	Yes	Baseline samples (BL)	No	
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work s	shift): Yes	Set-up samples (SS)	Yes	
Abatement procedures conducted:		Corrections necessary:	Yes	Personal samples (8 hr TWA) (PS)	Yes	
Removal:	Yes	Corrections made:	Yes	Above/Below PEL:	Below	
Encapsulation:	No	Enclosure Integrity Check (end of work shift	t): Yes	Personal samples (STEL) (PS)	Yes	
Repair:	No	Corrections necessary:	No	Above/Below PEL:	Below	
Enclosure:	Yes	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: No	o - Per Contractor	Passed:	Yes	
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	Yes	
# of Waste Bags:		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N/A	
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></x>		Dumpster secure at end of day:	Yes			
Lock-down activities:	N/A	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:		
Tear-down procedures:	No	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro/Reyno Ramirez		
		Type:	HFNPR	The worker/workers involved in the highest pot	tential	
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	exposure activity		
Set-up Only		PPE - Respirators (Consultant):	Yes			
Full Enclosure		Туре:	HFNPR			
				Required Postings		
Criticals set-up:	Yes	Did Consultant enter enclosure:	Yes	Notification:	Yes	
Shower set-up:	Yes	Time (A.M.): <##:## a.r	n ##:## a.m.>	Supervisor/Competent Person Training:	Yes	
AFDs used:	Yes	Time (P.M.): <##:## p.r	m ##:## p.m.>	OSHA Personal Sampling Posting:		



### **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools Date: July 14, 2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community Highschool Project Technician: Kami Karas

Location: Second Floor ceiling tiles Abatement Contractor: Environmental Maintenance Engineers, Inc.

AE220516 Project #: Competent Person: Bradley F. Altherr

#### **Abatement Personnel Information Abatement Personnel Information**

### **Workers / Accreditation Numbers**

Name: Chad Grossa Type: Supervisor Name: A33063 Training: 9/17/2021 A58233 Training: Accred #: Accred #: 11/2/2022 Fit test: 7/15/2022 11/30/2022 Exp. Date: Exp. Date: Fit test: Supervisor PWO: 10/21/2021 Activity: PWO:

Not Sampled (Max of 2 PS) Personal #:

Reyno Ramirez Type: Worker Name: A58200 Training: Accred #: 11/22/2022 Exp. Date: Fit test: Removal of ceilings Activity: PWO:

PS2 Personal #:

Johnsell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

Personal #:

Personal #:

Omar Granados Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: Removal of ceilings Activity: PWO: Personal #:

**Cruz Torres** Name: A58158 Accred #:

11/12/2022 Exp. Date: Removal of ceilings Activity:

Type: Worker Training: Fit test: PWO:

**Workers / Accreditation Numbers** 

**Ines Castro** Type: Worker Removal of ceilings Activity: PS1 Personal #:

Osmin Lopez Herrera Type: Worker Name: A46719 Training: Accred #: Exp. Date: 9/30/2022 Fit test: Removal of ceilings Activity: PWO:

Type: Worker

Type: Worker

Training:

Fit test:

PWO:

Training:

Fit test:

PWO:

Nohemi Zamora Name: A57748 Accred #:

9/7/2022 Exp. Date: Removal of ceilings Activity:

Personal #:

Personal #:

Ariel Rivera Name: A58105 Accred #: 10/27/2022 Exp. Date: Removal of ceilings Activity: Personal #:

Bradley F. Altherr Type: Supervisor Name: Training: 5/13/2022 Accred #: A45730 5/20/2023 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Materials Abated - Quantity & Location

Material sf/lf/# Locations Second Floor Hallway Other Class II Ceiling 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?



Client: Ann Arbor Public Schools Samples Collected By: Kami Karas Building: Community Highschool Sample Collection Date: July 14, 2022 Location: Second Floor ceiling tiles Samples Analyzed By: Kami Karas Sample Analysis Date: Project #: AE220516 July 14, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						0.00
FB2	Sample prepared on-site.						1.27
664	North Wing of Second Floor	7:45 AM	215	8.436	1814	0.002	8.92
SS1		11:20 AM					
SS2	Middle of Second Floor	7:45 AM	215	7.005	1706	0.004	40.75
332	Initiatie of Second Floor	11:20 AM	215	7.935	1706	0.004	19.75
AS1	Outside of containment	1:00 PM	155	7.935	1220	0.002	8.28
ASI	Jourside of containment	3:35 PM	133	7.935	1230	0.002	8.28
AS2	Outside of containment	3:35 PM	55	7.935	436	0.006	1.16
AS2		4:30 PM	J3				4.46

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: Kami Karas Building: Sample Collection Date: Community Highschool July 14, 2022 Location: Second Floor ceiling tiles Samples Analyzed By: Kami Karas Project #: AE220516 Sample Analysis Date: July 14, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
-		1	1		1	1	
PS1 Series	Ines Castro	1:00 PM	180	2.0	360	0.101	
		4:00 PM			300	0.038	*
Activity:	Ceiling Tile Removal						
PS1	Ceiling Tile Removal	1:00 PM	00	2.0	180	0.097	45.86
h21		2:30 PM	90		180	0.097	45.60
DC4 D4	Cailing Tile Danson	2:30 PM	20	2.0	60	0.114	10.47
PS1R1	Ceiling Tile Removal	3:00 PM	30	2.0	60	0.114	18.47
DC1D2	Ceiling Tile Removal	3:00 PM	60	2.0	120	0.100	21 05
PS1R2		4:00 PM	60		120		31.85

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	Reyno Ramirez	2:30 PM	90	2.0	180	0.063	
		4:00 PM				0.012	*
Activity:	Ceiling Tile Removal						
PS2	Ceiling Tile Removal	2:30 PM	90	2.0	180	0.063	29.94
		4:00 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**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

**Location:** Second Floor Ceiling Tiles

Project #: AE220516

**Building:** 

Date: July 15, 2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Kami Karas

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

No

Competent Person: Bradley F. Altherr

Abatement Information		Regulated Area Information		Air Sample Information	
OSHA Work Class	I, II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	Yes
		Corrections necessary:	Yes	Calibrated pumps:	Yes
Contractor Activities		Corrections made:	Yes	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:	Yes	Personal samples (8 hr TWA) (PS)	Yes
Removal:	Yes	Corrections made:	Yes	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:	Yes	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: No - Per	Contractor	Passed:	Yes
Conducted by: Bradley Altherr		Conducted by: <x></x>		Aggressive:	Yes
# of Waste Bags: 12 bags, 10 barrels		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N/A
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	N/A
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	N/A
Conducted by: Kami Karas		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): Reynos Ramirez/ Ines Castro	)
		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 conduc	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
Criticals set-up:	Yes	Did Consultant enter enclosure:	Yes	Notification:	Yes
Shower set-up:	Yes	Time (A.M.): 11:05 AM		Supervisor/Competent Person Training:	Yes

Time (P.M.): 11:10 AM



## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools

Building: Community High School
Location: Second Floor Ceiling Tiles

Project #: AE220516

Date: July 15, 2022

Consultant:

Project Technician:

Arch Environmental Group, Inc.

Kami Karas

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Competent Person: Bradley F. Altherr

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

	A		1441	/ A	
•	Accreditation Numbers		•	/ Accreditation Numbers	
Name:	Bradley F. Altherr	Type: Supervisor	Name:	Ines Castro	Type: Worker
Accred #:	A45730	Training: 5/13/2022	Accred #:	A58233	Training:
Exp. Date:	5/20/2023	Fit test: 7/15/2022	Exp. Date:	11/30/2022	Fit test:
Activity:	Supervisor	PWO: 5/16/2022	Activity:	Removal of ceilings	PWO:
Personal #:	N/A (No abate. activities)		Personal #:	PS2	
Name:	Reyno Ramirez	Type: Worker	Name:	Osmin Lopez Herrera	туре: Worker
Accred #:	A58200	Training:	Accred #:	A46719	Training:
Exp. Date:		Fit test:	Exp. Date:	9/30/2022	Fit test:
Activity:	Removal of ceilings	PWO:	Activity:	Removal of ceilings	PWO:
Personal #:	PS1		Personal #:		
Name:	Johnsell Vargas	Type: Worker	Name:	Nohemi Zamora	Type: Worker
Accred #:	A58114	Training:	Accred #:	A57748	Training:
Exp. Date:	10/28/2022	Fit test:	Exp. Date:		Fit test:
Activity:	Removal of ceilings	PWO:	Activity:	Removal of ceilings	PWO:
Personal #:			Personal #:		
Name:	Omar Granados	Type: Worker	Name:	Ariel Rivera	туре: Worker
Accred #:	A54503	Training:	Accred #:	A58105	Training:
Exp. Date:	6/11/2023	Fit test:	Exp. Date:	10/27/2022	Fit test:
Activity:	Removal of ceilings	PWO:	Activity:	Removal of ceilings	PWO:
Personal #:			Personal #:		
Name:	Cruz Torres	Type: Worker	Name:		Type: Worker
Accred #:	A58158	Training:	Accred #:		Training:
Exp. Date:	11/12/2022	Fit test:	Exp. Date:		Fit test:
Activity:	Removal of ceilings	PWO:	Activity:		PWO:
Personal #:			Personal #:		

Material	sf/lf/#	Locations		
Other Class II	='	2nd Floor Hallway		
	Ceiling 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?



Kami Karas

Client: Ann Arbor Public Schools Samples Collected By:
Building: Community High School Sample Collection Date:

Building:Community High SchoolSample Collection Date:July 15, 2022Location:Second Floor Ceiling TilesSamples Analyzed By:Kami Karas

Project #: AE220516 Sample Analysis Date: July 15, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						0.64
AS1	Outside of containment	7:15 AM 9:40 AM	145	7.935	1151	0.003	11.46
AS2	Outside of containment	9:40 AM 11:00 AM	80	7.935	635	0.005	10.19
PA1	Towards the North End of Hallway of Second Floor	11:05 AM 1:29 PM	144	14.530	2092	0.003	19.75
PA2	Towards the North End of Hallway of Second Floor	11:05 AM 1:29 PM	144	14.400	2074	0.003	16.56
PA3	Towards the Middle End of Hallway of Second Floor	11:05 AM 1:29 PM	144	15.030	2164	0.002	14.65
PA4	Towards the South End of Hallway of Second Floor	11:06 AM 1:30 PM	144	14.200	2045	0.003	16.56
PA5	Towards the South End of Hallway of Second Floor	11:07 AM 1:31 PM	144	14.560	2097	0.002	11.46

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: Kami Karas Building: Sample Collection Date: July 15, 2022 Community High School Location: Second Floor Ceiling Tiles Samples Analyzed By: Kami Karas Project #: AE220516 Sample Analysis Date: July 15, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series Reyno Ramirez	Down a Damira	7:15 AM	225	2.0	450	0.026	
	Reyno Ranniez	11:00 AM	223	2.0		0.012	*
Activity:	Ceiling Tile Bulk Head Removal						
PS1	Ceiling Tile Bulk Head Removal	7:15 AM	140	2.0	280	0.030	23.57
P31	Ceiling Tile Bulk Head Kemoval	9:35 AM	140		280	0.030	23.57
PS1R1	Ceiling Tile Bulk Head Removal	9:35 AM	85	2.0	170	0.018	0.55
		11:00 AM					9.55

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	Ines Castro	7:15 AM	225	2.0	450	0.017	
		11:00 AM				0.008	*
Activity:	Bulk Heads Removal & unistrut installation						
PS2	Bulk Heads Removal & unistrut installation	7:15 AM	140	2.0	280	0.010	5.73
F 32		9:35 AM					
PS2R1	Bulk Heads Removal & unistrut installation	9:35 AM	- 85	2.0	170	0.028	14.01
		11:00 AM					

**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

**Building:** Community High School

**Location:** Middle Hallway of Second Floor

AFDs used:

Yes

Project #: AE220516

Project Technician: Kami Karas

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

No

Competent Person: Bradley F. Altherr

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:	Yes	Calibrated pumps:	Yes		
Contractor Activities		Corrections made:	Yes	Baseline samples (BL)	No		
Set-up procedures conducted:	No	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)	N/A		
Waste bags checked:	Yes	Smoke testing conducted: No - Per	Contractor	Passed:	N/A		
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/A		
# of Waste Bags:		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N/A		
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: Kami Karas		Dumpster secure at end of day:	Yes				
Lock-down activities:	N/A	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:			
Tear-down procedures:	No	PPE - Respirators (Contractor):	Yes	Name(s): Cruz Torres/Ariel Rivera			
		Type:	HFNPR	A worker/workers who is/are representative of	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)			
Set-up Only		Type:	HFNPR				
				Required Postings			
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		
_							

Time (P.M.): <##:## p.m. - ##:## p.m.>



PS1

Personal #:

## ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools **Date:** July 16, 2022 Consultant: Arch Environmental Group, Inc. Building: Community High School Project Technician: Kami Karas Location: Middle Hallway of Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc. Project #: AE220516 Competent Person: Bradley F. Altherr

	Abatement Personnel Inf	ormation	1	Abatement Personnel Information						
Vorkers /	Accreditation Numbers			Workers /	Accreditation Numbers					
lame:	Bradley F. Altherr	Type:	Supervisor	Name:	Ines Castro	Type:	Worker			
ccred #:	A45730	Training:	5/13/2022	Accred #:	A58233	Training:				
xp. Date:	5/20/2023	Fit test:	7/15/2022	Exp. Date:	11/30/2022	Fit test:				
ctivity:	Supervisor	PWO:	5/16/2022	Activity:	Set-up Only	PWO:				
ersonal #:	N/A (No abate. activities)			Personal #:						
ame:	Reyno Ramirez	Type:	Worker	Name:	Osmin Lopez Herrera	Туре:	Worker			
ccred #:	A58200	Training:		Accred #:	A46719	Training:				
кр. Date:		Fit test:		Exp. Date:	9/30/2022	Fit test:				
ctivity:	Set-up Only	PWO:		Activity:	Set-up Only	PWO:				
ersonal #:				Personal #:						
ame:	Jonsell Vargas	Type:	Worker	Name:	Nohemi Zamora	Type:	Worker			
ccred #:	A58114	Training:		Accred #:	A57748	Training:				
кр. Date:	10/24/1902	Fit test:		Exp. Date:		Fit test:				
ctivity:	Set-up Only	PWO:		Activity:	Set-up Only	PWO:				
ersonal #:				Personal #:						
ame:	Omar Granados	Type:	Worker	Name:	Ariel Rivera	Type:	Worker			
ccred #:	A54503	Training:		Accred #:	A58105	Training:				
кр. Date:	6/11/2023	Fit test:		Exp. Date:	10/27/2022	Fit test:				
ctivity:	Set-up Only	PWO:		Activity:	Removal of ceilings	PWO:				
ersonal #:				Personal #:	PS2					
ame:	Cruz Torres	Type:	Worker	Name:		Type:				
ccred #:	A58158	Training:		Accred #:		Training:				
xp. Date:	11/12/2022	Fit test:		Exp. Date:		Fit test:				
ctivity:	Removal of ceilings	PWO:		Activity:		PWO:				

Personal #:

### Materials Abated - Quantity & Location

Material sf/lf/# Locations

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Kami Karas Building: Sample Collection Date: Community High School July 16, 2022 Location: Middle Hallway of Second Floor Samples Analyzed By: Kami Karas Sample Analysis Date: Project #: AE220516 July 16, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.27
AS1	Outside of containment in middle Hallway of Second Floor	7:40 AM 9:30 AM	110	7.935	873	0.003	6.37

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: Kami Karas Building: Sample Collection Date: Community High School July 16, 2022 Location: Middle Hallway of Second Floor Samples Analyzed By: Kami Karas Sample Analysis Date: Project #: AE220516 July 16, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
					T		
PS1 Series	Cruz Torres	7:40 AM	110	2.0	220	0.043	
1 31 Series		9:30 AM	110			0.010	*
Activity:	Uni strut installation						
PS1	Uni strut installation	7:40 AM	30	2.0	60	0.045	8.92
P31		8:10 AM					
PS1R1	Uni strut installation	8:10 AM	80	2.0	160	0.043	10.75
		9:30 AM	80				19.75

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 Ariel River	Ariel Rivera	7:40 AM	110	2.0	220	0.060	
		9:30 AM				0.014	*
Activity:	Uni Strut Instalation						
PS2	Uni Strut Instalation	7:40 AM	110	2.0	220	0.060	36.31
		9:30 AM					

**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

**Building:** Community High School

Location: Second Floor Project #: AE220516

Date: July 18, 2022

Consultant: Arch Environmental Group, Inc.

Project Technician: Kami Karas

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Bradley F. Altherr

Encapsulation: No Enclosure Integrity Check (end of work shift): Yes Personal samples (TEL) (PS)  Repair: No Corrections necessary: No Above/Below PEL: Be CENCIONER Enclosure: Yes Negative air maintained: Yes Negative air maintained: Yes Area samples (AS)  Wet methods used: Yes Negative air maintained: Yes Area samples (AS)  Waste bags checked: Yes Manometer reading: <#> Conducted by: Bradley Altherr  # of Waste Bags: 4 bags, 2 barrels Asbestos signs in place: Yes Asbestos banner tape in place: Yes Asbestos banner tape in place: Yes Aggressive: Passed: Yes Aggressive:	Abatement Information		Regulated Area Information	on	Air Sample Information		
Contractor Activities							
Contractor Activities         Corrections made:         Yes         Baseline samples (BL)           Set-up procedures conducted:         No         Enclosure Integrity Check (middle of work shift):         Yes         Set-up samples (SF)           Abatement procedures conducted:         Yes         Corrections necessary:         No         Personal samples (8 hr TWA) (PS)           Removal:         Yes         Corrections made:         No         Above/Below PEL:         Be           Encapsulation:         No         Enclosure Integrity Check (end of work shift):         Yes         Personal samples (SEL) (PS)           Repair:         No         Corrections made:         No         Above/Below PEL:         Be           Enclosure:         Yes         Corrections made:         No         Above/Below PEL:         Be           Enclosure:         Yes         Corrections made:         No         Above/Below PEL:         Be           Enclosure:         Yes         Corrections made:         No         Above/Below PEL:         Be           Wet methods used:         Yes         Corrections made:         No         Above/Below PEL:         Be           West methods used:         Yes         Monometer reading: ***         Yes         Area samples (PA)         PE           Uses	OSHA Work Class	I, II	Enclosure Integrity Check (start of work sh	ift): Yes	Air samples collected:	Yes	
Set-up procedures conducted:  Abatement procedures:  Abatement Method(s)  Abatement Method(sect-up: Abatement Abatem			Corrections necessary:	Yes	Calibrated pumps:	Yes	
Abatement procedures conducted: Removal: Removal	Contractor Activities		Corrections made:	Yes	Baseline samples (BL)	No	
Removal: Yes Corrections made: No Above/Below PEL: Be Encapsulation: No Enclosure Integrity Check (end of work shift): Yes Personal samples (STEL) (PS)  Repair: No Corrections necessary: No Above/Below PEL: Be Enclosure: Yes Corrections made: No Above/Below PEL: Be Enclosure: Yes Negative air maintained: Yes Area samples (AS)  Wet methods used: Yes Negative air maintained: Yes Area samples (AS)  Wet methods used: Yes Negative air maintained: No - Per Contractor Passed: PCM Clearance samples (PA)  Waste bags checked: Yes Manometer reading: <#> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Somoke testing conducted by: <> PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Passed: Yes Aggressive: Yes Personal Samples Collected On: Yes PPE - Disposable coveralls (Contractor): Yes Personal Samples Collected On: Yes PPE - Disposable coveralls (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Disposable coveralls (Consultant): Yes Abatement Method(s)  PPE - Disposable coveralls (Consultant): Yes PPE - Disposable coveralls (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Disposable coveralls (Consultant): Yes PPE - Disposable	Set-up procedures conducted:	No	Enclosure Integrity Check (middle of work	shift): Yes	Set-up samples (SS)	No	
Encapsulation: No Enclosure Integrity Check (end of work shift): Yes Personal samples (STEL) (PS)  Repair: No Above/Below PEL: Be Personal Samples (STEL) (PS)  Repair: No Above/Below PEL: Be Personal Samples (STEL) (PS)  Repair: No Above/Below PEL: Be Personal Samples (STEL) (PS)  Repair: No Above/Below PEL: Be Personal Samples (STEL) (PS)  Repair: No Above/Below PEL: Be Personal Samples (PA)  Repair: No Aggressive: Yes Personal Sam	Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Yes	
Repair: No Corrections necessary: No Above/Below PEL: BE Enclosure: Yes Corrections made: No Above/Below STEL: Be Wet methods used: Yes Negative air maintained: Yes Area samples (AS) Clean up procedures: Yes Manometer reading: <#> PCM Clearance samples (AS)  Waste bags checked: Yes Smoke testing conducted: No - Per Contractor  Conducted by: Bradley Altherr  Conducted by: Bradley Altherr  # of Waste Bags: 4 bags, 2 barrels  Final cleaning procedures: Yes Asbestos signs in place: Yes Passed:  Visual inspection: Yes Asbestos banner tape in place: Yes Passed:  Conducted by: Kami Karas  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 - Bisposable coveralls (Contractor): Yes Name(s): Bradley F. Altherr/ Reyna Ramirez  Type: HFNPR A worker/workers who is/are representative of all worker sufficients.  Abatement Method(s)  Full Enclosure PPE - Disposable coveralls (Consultant): Yes within the work area (all workers are conducting similar activities): Type: HFNPR  Criticals set-up: Yes Did Consultant enter enclosure: Yes Notification:  Yes Did Consultant enter enclosure: Yes Notification: Yes Notification:  Yes Notification: Supervisor/Competent Person Training:	Removal:	Yes	Corrections made:	No	Above/Below PEL:	Below	
Enclosure: Yes Corrections made: No Above/Below STEL: Between the Methods used: Yes Negative air maintained: Yes Area samples (AS)  Clean up procedures: Yes Manometer reading: <#> PCM Clearance samples (PA)  Waste bags checked: No - Per Contractor Passed: PCM Clearance samples (PA)  Waste bags checked: No - Per Contractor Passed: PCM Clearance samples (PA)  Waste Bags: 4 bags, 2 barrels Asbestos signs in place: Yes Passed: Yes Passed: Yes Passed: Yes Passed: Yes Asbestos banner tape in place: Yes Passed: Yes Aggressive: Passed: Yes Aggressive: PCM Conducted by: Kami Karas PE - Disposable coveralls (Contractor): Yes Personal Samples Collected On: Yes Name(s): Bradley F. Altherry Reyna Ramirez Type: HFNPR  Abatement Method(s) PPE - Disposable coveralls (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities): PPE - Respirators (Consultant): Yes Within the work area (all workers area conducting similar activities): PPE - Respirators (Consultant)	Encapsulation:	No	Enclosure Integrity Check (end of work shift	ft): Yes	Personal samples (STEL) (PS)	Yes	
Wet methods used:       Yes       Negative air maintained:       Yes       Area samples (AS)         Clean up procedures:       Yes       Manometer reading: <#>	Repair:	No	Corrections necessary:	No	Above/Below PEL:	Below	
Clean up procedures: Ves Manometer reading: <#> PCM Clearance samples (PA)  Waste bags checked: Ves Smoke testing conducted: No - Per Contractor Conducted by: Bradley Altherr Final cleaning procedures: Ves Asbestos signs in place: Ves Asbestos banner tape in place: Ves Asbestos banner tape in place: Conducted by: Kami Karas Ves Shower operational: Conducted by: Kami Karas Ves PPE - Disposable coveralls (Contractor): Ves PPE - Respirators (Contractor): Ves PPE - Respirators (Consultant): Ves PPE - Disposable coveralls (Consultant): Ves Within the work area (all workers are conducting similar activities)  PPE - Respirators (Consultant): Ves PPE - Respirators (Consultant):	Enclosure:	Yes	Corrections made:	No	Above/Below STEL:	Below	
Waste bags checked:       Yes       Smoke testing conducted:       No - Per Contractor       Passed:         Conducted by: Bradley Altherr       Conducted by: <x>       Aggressive:         # of Waste Bags: 4 bags, 2 barrels       Asbestos signs in place:       Yes       TEM Clearance samples (PA)         Final cleaning procedures:       Yes       Asbestos banner tape in place:       Yes       Passed:         Visual inspection:       Yes       Shower operational:       Yes       Aggressive:         Conducted by: Kami Karas       Dumpster secure at end of day:       Yes       Personal Samples Collected On:         Lock-down activities:       Yes       PPE - Disposable coveralls (Contractor):       Yes       Personal Samples Collected On:         Tear-down procedures:       Yes       PPE - Respirators (Contractor):       Yes       Personal Samples Collected On:         Tear-down procedures:       Yes       PPE - Respirators (Contractor):       Yes       Personal Samples Collected On:         Abatement Method(s)       PPE - Disposable coveralls (Consultant):       Yes       Within the work area (all workers are conducting similar activities)         Full Enclosure       PPE - Respirators (Consultant):       Yes       Within the work area (all workers are conducting similar activities)         Full Enclosure       Type:       HFNPR       Noti</x>	Wet methods used:	Yes Negative air maintained:		Yes	Area samples (AS)	Yes	
Conducted by: Bradley Altherr # of Waste Bags: 4 bags, 2 barrels  Asbestos signs in place:  Yes Asbestos banner tape in place:  Yes Shower operational:  Conducted by: Yes Conducted by: Kami Karas  Dumpster secure at end of day:  Conducted by: Kami Karas  Dumpster secure at end of day:  Yes PPE - Disposable coveralls (Contractor):  Tear-down procedures:  Yes PPE - Respirators (Contractor):  Type: HFNPR A worker/workers who is/are representative of all workers are conducting similar activities  PPE - Disposable coveralls (Consultant):  Yes PPE - Respirators (Consultant):  Yes Within the work area (all workers are conducting similar activities)  PPE - Respirators (Consultant):  Yes Type:  Type: HFNPR  Criticals set-up: Shower set-up: Yes Did Consultant enter enclosure: Yes Time (A.M.): 2:40 PM  Yes Supervisor/Competent Person Training:	Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	Yes	
# of Waste Bags: 4 bags, 2 barrels  Asbestos signs in place: Yes Asbestos banner tape in place: Yes Passed:  Visual inspection: Yes Conducted by: Kami Karas Dumpster secure at end of day: Yes Lock-down activities: Yes PPE - Disposable coveralls (Contractor): Yes PPE - Respirators (Contractor): Yes Abatement Method(s) Full Enclosure PPE - Respirators (Consultant): Yes Within the work area (all workers are conducting similar activities)  Required Postings  Required Postings Shower set-up: Yes Time (A.M.): 2:40 PM  Yes Supervisor/Competent Person Training:	Waste bags checked:	Yes	Smoke testing conducted: N	lo - Per Contractor	Passed:	Yes	
Final cleaning procedures:  Visual inspection:  Ves Shower operational:  Conducted by: Kami Karas  Dumpster secure at end of day:  Ves Personal Samples Collected On:  Tear-down procedures:  Yes PPE - Disposable coveralls (Contractor):  Tear-down procedures:  Yes PPE - Respirators (Contractor):  Type:  HFNPR A worker/workers who is/are representative of all worker within the work area (all workers are conducting similar activities)  PPE - Respirators (Consultant):  Yes within the work area (all workers are conducting similar activities)  Type:  HFNPR  A worker/workers who is/are representative of all workers are conducting similar activities)  Type:  HFNPR  Criticals set-up:  Yes Did Consultant enter enclosure:  Yes Notification:  Shower set-up:  Yes Time (A.M.): 2:40 PM  Supervisor/Competent Person Training:	Conducted by: Bradley Altherr		Conducted by: <x></x>		Aggressive:	Yes	
Visual inspection: Yes Shower operational: Yes Conducted by: Kami Karas 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): Bradley F. Altherr/ Reyna Ramirez  Type: HFNPR A worker/workers who is/are representative of all worker workers who is/are representative of all workers within the work area (all workers are conducting similar activities)  Full Enclosure PPE - Respirators (Consultant): Yes within the work area (all workers are conducting similar activities)  Type: HFNPR  Type: HFNPR  Criticals set-up: Yes Did Consultant enter enclosure: Yes Notification:  Shower set-up: Yes Time (A.M.): 2:40 PM  Supervisor/Competent Person Training:	# of Waste Bags: 4 bags, 2 barrels		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N/A	
Conducted by: Kami Karas  Dumpster secure at end of day:  Yes  Dumpster secure at end of day:  Yes  PPE - Disposable coveralls (Contractor):  Tear-down procedures:  Yes  PPE - Respirators (Contractor):  Type:  Type:  HFNPR  A worker/workers who is/are representative of all workers are conducting similar activities)  PPE - Respirators (Consultant):  Yes  Within the work area (all workers are conducting similar activities)  PPE - Respirators (Consultant):  Type:  HFNPR  Criticals set-up:  Yes  Did Consultant enter enclosure:  Yes  Time (A.M.): 2:40 PM  Supervisor/Competent Person Training:	Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	N/A	
Lock-down activities:  Tear-down procedures:  Yes  PPE - Disposable coveralls (Contractor):  Type:  Type:  HFNPR  A worker/workers who is/are representative of all workers are conducting similar activities)  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  Type:  HFNPR  Criticals set-up:  Shower set-up:  Yes  PE - Disposable coveralls (Contractor):  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  PPE - Respirators (Consultant):  Yes  Type:  HFNPR  Required Postings  Notification:  Supervisor/Competent Person Training:	Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	N/A	
Tear-down procedures:  Yes  PPE - Respirators (Contractor):  Type:  Type:  HFNPR  A worker/workers who is/are representative of all worker within the work area (all workers are conducting similar activities)  Full Enclosure  PPE - Disposable coveralls (Consultant):  PPE - Respirators (Consultant):  Type:  Type:  HFNPR  Criticals set-up:  Yes  Did Consultant enter enclosure:  Yes  Time (A.M.): 2:40 PM  Name(s):  Bradley F. Altherr/ Reyna Ramirez  Within the work area (all workers are conducting similar activities)  Required Postings  Notification:  Supervisor/Competent Person Training:	Conducted by: Kami Karas		Dumpster secure at end of day:	Yes			
Abatement Method(s)  PPE - Disposable coveralls (Consultant):  PPE - Respirators (Consultant):  Type:  Type:  PPE - Respirators (Consultant):  Type:  Type:  PPE - Respirators (Consultant):  Type:  Type:  PPE - Respirators (Consultant):  Pes   Required Postings  Notification:  Supervisor/Competent Person Training:	Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:		
Abatement Method(s)  PPE - Disposable coveralls (Consultant):  PPE - Disposable coveralls (Consultant):  PPE - Respirators (Consultant):  Type:  Type:  HFNPR  Criticals set-up:  Shower set-up:  Yes  Did Consultant enter enclosure:  Yes  Time (A.M.): 2:40 PM  Within the work area (all workers are conducting similar activities)  Required Postings  Notification:  Supervisor/Competent Person Training:	Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Bradley F. Altherr/ Reyna Ramirez		
Full Enclosure  PPE - Respirators (Consultant): Type: HFNPR  Criticals set-up: Shower set-up: Yes Did Consultant enter enclosure: Yes Time (A.M.): 2:40 PM  Activities)  Required Postings  Notification: Supervisor/Competent Person Training:			Type:	HFNPR	A worker/workers who is/are representative	of all workers	
Type: HFNPR  Criticals set-up: Yes Did Consultant enter enclosure: Yes Notification: Shower set-up: Yes Time (A.M.): 2:40 PM Supervisor/Competent Person Training:	Abatement Method(s)		PPE - Disposable coveralls (Consultant):		within the work area (all workers are conducting similar		
Criticals set-up: Yes Did Consultant enter enclosure: Yes Notification: Shower set-up: Yes Time (A.M.): 2:40 PM Supervisor/Competent Person Training:	Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)		
Criticals set-up: Yes Did Consultant enter enclosure: Yes Notification: Shower set-up: Yes Time (A.M.): 2:40 PM Supervisor/Competent Person Training:			Type:	HFNPR			
Shower set-up: Yes Time (A.M.): 2:40 PM Supervisor/Competent Person Training:							
	Criticals set-up:	Yes	Did Consultant enter enclosure:		Notification:	Yes	
	Shower set-up:	Yes	Time (A.M.): 2:40 PM		Supervisor/Competent Person Training:		
AFDs used: Yes Time (P.M.): 2:45 PM OSHA Personal Sampling Posting:	AFDs used:	Yes	Time (P.M.): 2:45 PM		OSHA Personal Sampling Posting:		



Client: Ann Arbor Public Schools **Date:** July 18, 2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Kami Karas

Location: Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc. Project #: AE220516 Competent Person: Bradley F. Altherr

#### **Abatement Personnel Information**

Removal of ceilings

Omar Granados

Removal of ceilings

PS1

PS1

A54503

6/11/2023

PWO:

Training:

Fit test:

PWO:

Type: Worker

Activity:

Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Personal #:

### **Abatement Personnel Information**

Removal of ceilings

Removal of ceilings

PS2

Ariel Rivera

A58105

PS2

1/14/2023

PWO:

Training:

Fit test:

PWO:

Type: Worker

### Materials Abated - Quantity & Location

Locations

Middle Hallway **Plaster Ceiling** 

sf/lf/#

Material

Other Class II

	Abatement i cisonnei ini	oi iiia cioi			Abatement i cisonnei init	, macion	
Maultone /	Accreditation Numbers			Mouleous /	Accreditation Numbers		
workers /				workers /			
Name:	Bradley F. Altherr	Type:	Supervisor	Name:	Cruz Torres	Type:	Worker
Accred #:	A45730	Training:	5/13/2022	Accred #:	A58158	Training:	
Exp. Date:	5/20/2023	Fit test:	7/15/2022	Exp. Date:	11/12/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	5/16/2022	Activity:	Removal of ceilings	PWO:	
Personal #:	Not Sampled (Max of 2 PS	)		Personal #:	PS2		
Name:	Christopher D. Treglown	Type:	Worker	Name:	Ines Castro	Type:	Worker
Accred #:	A36314	Training:	10/30/2021	Accred #:	A58233	Training:	
Exp. Date:	1/29/2023	Fit test:	7/15/2022	Exp. Date:	11/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	1/12/2022	Activity:	Removal of ceilings	PWO:	
Personal #:	Not Sampled (Max of 2 PS	)		Personal #:	PS1		
Name:	Reyna Ramirez	Type:	Worker	Name:	Osmin Lopez Herrera	Type:	Worker
Accred #:	A58200	Training:		Accred #:	A46719	Training:	
Exp. Date:	11/22/2022	Fit test:		Exp. Date:	9/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:		Activity:	Removal of ceilings	PWO:	
Personal #:	PS1			Personal #:	PS2		
Name:	Jhonssell Vargas	Type:	Worker	Name:	Nohemi Zamoran	Type:	Worker
Accred #:	A58114	Training:		Accred #:	A57748	Training:	
Exp. Date:	10/28/2022	Fit test:		Exp. Date:	9/7/2022	Fit test:	

Activity:

Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Personal #:

**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?



Client: Ann Arbor Public Schools

Community High School

Location: Second Floor Project #: AE220516

**Building:** 

Date: July 18, 2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Kami Karas

Abatement Contractor:

Environmental Maintenance Engineers, Inc.

Competent Person: Bradley F. Altherr

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### **Materials Abated - Quantity & Location**

Workers / A	Accreditation	Numbers
-------------	---------------	---------

Tony Gillow Type: Supervisor Name: A38685 Training: 5/20/2022 Accred #: 6/3/2023 Fit test: 7/15/2022 Exp. Date: Removal of ceilings PWO: 12/30/2021 Activity: Personal #:

Not Sampled (Max of 2 PS)

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

Name: Accred #: Exp. Date:

Activity: Personal #:

Name: Accred #: Exp. Date: Activity:

Personal #:

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

Personal #:

**Workers / Accreditation Numbers** Name: Type:

Accred #: Training: Exp. Date: Fit test: Activity: PWO:

Personal #:

Type: Training:

> Fit test: PWO:

Type: Training: Fit test:

PWO:

Material sf/lf/# Locations Other Class II Middle 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?



Client: Ann Arbor Public Schools

Building: Community High School
Location: Second Floor

Project #: AE220516

Samples Collected By:

Sample Analysis Date:

Kami Karas

Sample Collection Date: Samples Analyzed By: July 18, 2022 Kami Karas

July 18, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						0.00
AS1	Outside of containment	7:20 AM 10:00 AM	160	7.935	1270	0.002	7.01
AS2	Outside of containment	10:00 AM 12:00 PM	120	7.935	952	0.003	6.37
AS3	Outside of containment	1:25 PM 3:20 PM	115	7.935	913	0.003	4.46
AS4	Outside of containment	3:20 PM 4:20 PM	60	7.935	476	0.009	12.74
PA1	East side of Hallway Containment	2:45 PM 5:09 PM	144	15.030	2164	0.001	6.37
PA2	West Side of Hallway Containment	2:45 PM 5:09 PM	144	14.530	2092	0.002	14.01

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: Samples Collected By: Ann Arbor Public Schools Kami Karas **Building:** Sample Collection Date: July 18, 2022 Community High School Location: Second Floor Samples Analyzed By: Kami Karas Project #: AE220516 Sample Analysis Date: July 18, 2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
	T	7:30 AM				0.069	
PS1 Series	Plaster Ceiling Removal & Uniduct installation	4:20 PM	470	2.0	940	0.068	*
Activity:	Plaster Ceiling Removal & Uniduct installation						
PS1	Plaster Ceiling Removal & Uniduct installation	7:30 AM	- 30	2.0	60	0.278	44.59
P31		8:00 AM					44.33
PS1R1	Plaster Ceiling Removal & Uniduct installation	8:00 AM	120	2.0	240	0.091	57.96
PSIKI	Praster Certifig Kernoval & Official Histaliation	10:00 AM				0.091	37.90
PS1R2	Plaster Ceiling Removal & Uniduct installation	10:00 AM	120	2.0	240	0.042	27.39
PSIKZ	Plaster Cerinig Kernovai & Official Installation	12:00 PM	120	2.0	240	0.042	27.39
PS1R3	Diagter Cailing Demoval & Unidust installation	1:00 PM	140	2.0	200	0.040	20.57
FSIRS	Plaster Ceiling Removal & Uniduct installation	3:20 PM	140	2.0	280	0.040	30.57
PS1R4	Diagtor Cailing Demoval 9 Unidust installation	3:20 PM	60	2.0	120	0.043	14.65
P31K4	Plaster Ceiling Removal & Uniduct installation	4:20 PM				0.043	14.65

### OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWAOSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average

PS2 Series	Plaster Ceiling Removal & Uniduct installation	7:30 AM	470	2.0	940	0.063	
P32 Series	Plaster Celling Removal & Official Installation	4:20 PM	470			0.062	*
Activity:	Plaster Ceiling Removal & Uniduct installation						
PS2	Plaster Ceiling Removal & Uniduct installation	7:30 AM	150	2.0	300	0.052	42.04
132	auto. Coming nemotal & Cinadac instandation	10:00 AM		2.0	300	0.032	42.04
PS2R1	Plaster Ceiling Removal & Uniduct installation	10:00 AM	120	2.0	240	0.018	12.74
FJZKI		12:00 PM					
PS2R2	Plaster Ceiling Removal & Uniduct installation	1:00 PM	60	2.0	120	0.127	40.76
FJZKZ	Flaster Centrig Nemoval & Official Installation	2:00 PM	00		120	0.127	40.70
PS2R3	Plaster Ceiling Removal & Uniduct installation	2:00 PM	60	2.0	120	0.112	36.31
FJZKJ	Flaster Celling Kemovar & Official Installation	3:00 PM	00	2.0	120	0.112	30.31
PS3R4	Plaster Ceiling Removal & Uniduct installation	3:00 PM	- 80	2.0	160	0.067	29.30
F35K4	Plaster Ceiling Removal & Uniduct Installation	4:20 PM					

OSHA Permissible Exposure Limit = 0.100 f/cc, 8 hr TWA
OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

AFDs used:

Yes

**Building:** Community High School

Location: Throughout Second Floor

Project #: AE220516

Date: 7/19/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

Competent Person: Bradley Altherr

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
<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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		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 conduc	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



Client: Ann Arbor Public Schools Date: 7/19/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Type: Worker

Type: Worker

Type: Worker

Training:

Fit test:

Fit test:

PWO:

PWO:

Training:

Fit test:

PWO:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: **Bradley Altherr** 

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

Workers	/ Accreditation	Number

Ariel Rivera Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO:

PS1 Personal #:

Chris Treglown Type: Worker Name: A36314 Training: 10/30/2021 Accred #: Exp. Date: 1/29/2023 Fit test: 7/15/2022 PWO: 1/12/2022 Equipment & supplies Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

**Bradley Altherr** Name: Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 5/16/2022 Activity: N/A (No abate. activities) Personal #:

Jhonssell Vargas Name: A58114 Accred #: 10/28/2022 Exp. Date: Removal of ceilings Activity: Personal #: PS1

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Omar A Granados Bermudi Name: A54503 Accred #: 6/11/2023 Exp. Date: **Equipment & supplies** Activity: N/A (No abate. activities) Personal #:

Name:

Accred #:

Exp. Date:

Personal #:

Activity:

Nohemi Zamoran A57748 Training: 9/7/2022 Set-up only N/A (No abate. activities)

Material sf/lf/# Locations 20 **Throughout Second Floor** Other Class II Other Class II 600 Room 220 Other Class II 1800 Room 207

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/19/2022Location:Throughout Second FloorSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/19/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 207	7:30 AM	180	7.985	1437	0.002	4.46
40404		10:30 AM 10:30 AM	240	7.005	4677	2 222	10.10
AS1R1	Second floor outside Room 207	2:00 PM	210	7.985	1677	0.002	10.19
AS1R2	Second floor outside Room 207	2:00 PM	195	7.985	1557	0.002	10.19
, 101112	Second floor satisfac floorii 207	5:15 PM	133	7.505	1337	0.002	
PA1	South Hallway outside Nurse's office/ Across from room 207	11:30 AM	135	14.4	1944	0.001	0.00
PAI	South Hallway outside Nurse's office/ Across from room 207	1:45 PM					0.00

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: Thinh Nguyen Building: Sample Collection Date: 7/19/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/19/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
-						1	
PS1 Series	Ines Castro	7:30 AM	390	2.0	780	0.010	
		2:00 PM				0.008	*
Activity:	Removal of wall plaster cutouts/ final clean of room 207						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
P31		10:30 AM	180			0.007	0.00
PS1R1	Inoc Castro	10:30 AM	30	2.0	60	0.045	0.00
POIRI	Ines Castro	11:00 AM	30	2.0	60	0.045	0.00
PS1R2	Ines Castro	11:00 AM	180	2.0	360	0.007	0.00
PSIKZ	ines Castro	2:00 PM	180			0.007	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Location: Throughout Second Floor

Project #: AE220516

Building:

Date: 7/20/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Bradley Altherr

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)	No
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/A
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/A
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	Yes
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	Yes
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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



Client: Ann Arbor Public Schools Date: 7/20/2022 Consultant:

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Arch Environmental Group, Inc.

Type: Worker

Type: Worker

Type: Worker

Type: Worker

PWO:

PWO:

Training:

Fit test:

Training:

Fit test:

PWO:

PWO:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Other Class II

Competent Person: **Bradley Altherr** 

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

Room 220

Workers	/ Accreditation	Number

**Ariel Rivera** Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO:

PS1 Personal #:

Chris Treglown Type: Worker Name: A36314 Training: 10/30/2021 Accred #: Exp. Date: 1/29/2023 Fit test: 7/15/2022 **Equipment & supplies** PWO: 1/12/2022 Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

Name: **Bradley Altherr** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: Supervisor PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings Activity: Personal #: PS1

Osmin E. Lopez Herrera Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date:

Removal of ceilings Activity: PS1

Personal #:

Omar A Granados Bermudi Name: A54503 Accred #: 6/11/2023 Exp. Date: **Equipment & supplies** Activity: N/A (No abate. activities) Personal #:

Nohemi Zamoran Name: A57748 Accred #: Exp. Date: 9/7/2022 Set-up only Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Other Class II 1800 Room 207 600

#### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/20/2022 Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen 7/20/2022 Project #: AE220516 Sample Analysis Date:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 207	7:30 AM 10:30 AM	180	7.985	1437	0.005	19.11
AS1R1	Second floor outside Room 207	10:30 AM 2:00 PM	210	7.985	1677	0.003	13.38
AS1R2	Second floor outside Room 207	2:00 PM 5:15 PM	195	7.985	1557	0.002	5.10
PA1	Inside Containment	8:15 AM 11:30 AM	195	8.208	1601	0.002	0.00
PA2	Inside Containment	8:15 AM 11:30 AM	195	8.217	1602	0.002	0.00
PA3	Inside Containment	8:15 AM 11:30 AM	195	8.149	1589	0.002	0.00
PA4	Inside Containment	8:15 AM 11:30 AM	195	7.862	1533	0.002	0.00
PA5	Inside Containment	8:15 AM 11:30 AM	195	8.021	1564	0.002	0.00
PA6	Outside Containment	8:00 AM 11:15 AM	195	7.85	1531	0.002	0.00
PA7	Outside Containment	8:00 AM 11:15 AM	195	8.22	1603	0.002	0.00
PA8	Outside Containment	8:00 AM 11:15 AM	195	8.2	1599	0.002	0.00
PA9	Outside Containment	8:00 AM 11:15 AM	195	8.08	1576	0.002	0.00
PA10	Outside Containment	8:00 AM 11:15 AM	195	8.19	1597	0.002	0.00

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: Thinh Nguyen Building: Sample Collection Date: 7/20/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/20/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	510	2.0	1020	0.011	
F31 Series		4:00 PM	310		1020	0.011	*
Activity:	Removal of ceiling plaster						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
P31		10:30 AM		2.0			
PS1R1	Ines Castro	10:30 AM	30	2.0	60	0.045	0.00
PSIKI		11:00 AM		2.0	80	0.045	0.00
DC4 D2	la ca Castra	11:00 AM	240	2.0	420	0.000	0.00
PS1R2	Ines Castro	2:30 PM	210	2.0	420	0.006	0.00
PS1R3	lace Coetro	2:30 PM	00	2.0	100	0.045	0.00
L21K3	Ines Castro	4:00 PM	90	2.0	180	0.015	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



### ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

Yes

Throughout Second Floor

AFDs used:

Project #: AE220516

**Building:** 

Location:

Date: 7/21/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Shane Niblock

Abatement Information		Regulated Area Information	Regulated Area Information		
OSHA Work Class	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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		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 conduc	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>



Client: Ann Arbor Public Schools Date: 7/21/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: **Throughout Second Floor** 

AE220516 Project #:

Type: Worker

Type: Worker

Type: Worker

Type: Worker

Training:

Fit test:

Training:

Fit test:

Training:

Fit test:

Fit test:

PWO:

PWO:

PWO:

PWO:

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Shane Niblock Competent Person:

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

Workers	/ Accreditation	Number

**Ariel Rivera** Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** Activity: PWO:

PS1 Personal #:

Shane Niblock Type: Supervisor Name: A43597 Training: 10/24/2021 Accred #: Exp. Date: Fit test: 7/15/2022 12/18/2022 Supervisor PWO: 7/3/2022 Activity:

Personal #: N/A (No abate. Activities)

Type: Worker **Ines Castro** Name: A58233 Training: Accred #: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

Cruz Torres Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

Jason Robinson-Howard Type: Supervisor Name: A42060 Training: 9/17/2021 Accred #: 9/30/2022 Fit test: 7/15/2022 Exp. Date: Set-up Only PWO: 10/19/2021 Activity: N/A (No abate. activities) Personal #:

**Workers / Accreditation Numbers** 

Name: **Bradley Althern** Type: Supervisor A45730 Training: 5/13/2022 Accred #: 6/4/2023 Fit test: 7/15/2022 Exp. Date: **Equipment & supplies** PWO: 5/16/2022 Activity:

N/A (No abate. activities) Personal #:

Jhonssell Vargas Name: A58114 Accred #: 10/28/2022 Exp. Date: Removal of ceilings Activity: Personal #: PS1

Osmin E. Lopez Herrera Name: A46719 Accred #: 9/30/2022 Exp. Date: Removal of ceilings Activity: PS1 Personal #:

Omar A Granados Bermudi Name: A54503 Accred #: 6/11/2023 Exp. Date: **Equipment & supplies** Activity: N/A (No abate. activities) Personal #:

Nohemi Zamoran Name: A57748 Accred #: Training: Exp. Date: 9/7/2022 Set-up only Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Other Class II 1800 Room 207 Other Class II 600 Room 220

**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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: 7/21/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 7/21/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
<u> </u>							
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 220	7:30 AM	180	7.985	1437	0.003	14.01
A31		10:30 AM	180	7.363	1437		14.01
AS1R1	Second floor outside Room 220	10:30 AM	210	7.985	1677	0.004	19.11
ASIKI		2:00 PM	210				
AS1R2	Second floor outside Room 220	2:00 PM	195	7.985	1557	0.003	12.74
AJIKZ	Second floor outside Room 220	5:15 PM	195	7.363	1337		12.74

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: Thinh Nguyen Building: Sample Collection Date: 7/21/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/21/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
_							
PS1 Series	Ines Castro	7:30 AM	510	2.0	1020	0.011	
P31 Selles	illes Castro	4:00 PM	310	2.0		0.011	*
Activity:	Removal of ceiling plaster						
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
P31		10:30 AM		2.0			
PS1R1	Ines Castro	10:30 AM	30	2.0	60	0.045	0.00
PSIKI		11:00 AM		2.0	60	0.045	0.00
DC4 D2	Less Control	11:00 AM	24.0		420	0.005	
PS1R2	Ines Castro	2:30 PM	210	2.0		0.006	0.00
DC4 D2	lana Cartra	2:30 PM	00		400	0.015	0.00
PS1R3	Ines Castro	4:00 PM	90	2.0	180	0.015	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## ASBESTOS DAILY PROJECT REPORTS

### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

Community High School

AFDs used:

Yes

Location: Throughout Second Floor

Project #: AE220516

Building:

Date: 7/22/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

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
<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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro	
		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 conduct	ting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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
_					

Time (P.M.): <##:## p.m. - ##:## p.m.>



Client: Ann Arbor Public Schools Date: 7/22/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

Location: Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Shane Niblock

### **Abatement Personnel Information**

### Abatement Personnel Information

### Materials Abated - Quantity & Location

Workers /	Accreditation	Numbers

Name:	Ariel Rivera	Type:	Worker
Accred #:	A58105	Training:	
Exp. Date:	10/27/2022	Fit test:	
Activity:	Removal of Ceilings	PWO:	
Personal #:	PS1		

Name:	Shane Niblock	Type: Supervisor
Accred #:	A43597	Training: 10/24/2021
Exp. Date:	12/18/2022	Fit test: 7/15/2022
Activity:	Supervisor	PWO: 7/2/2022
Personal #:	PS2	

Name:	Ines Castro	Type:	Worker
Accred #:	A58233	Training:	
Exp. Date:	11/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Dorconal #	DC1		

Name:	Cruz Torres	Type:	Worker
Accred #:	A58158	Training:	
Exp. Date:	11/12/2022	Fit test:	
Activity:	Set-up Only	PWO:	
Personal #:	N/A (No abate. activities)		

Name:	Jason Robinson-Howard	Type: Supervisor
Accred #:	A42060	Training: 9/17/2021
Exp. Date:	9/30/2022	Fit test: 7/15/2022
Activity:	Set-up Only	PWO: 10/19/2021
Personal #:	N/A (No abate. activities)	

Workers /	<b>Accreditation Numbers</b>	
Name:	Bradley Altherr	Type: Supervisor
Accred #:	A45730	Training: 5/13/2022
Exp. Date:	6/4/2023	Fit test: 7/15/2022
Activity:	Equipment & supplies	PWO: 6/11/2022
Personal #:	N/A (No abate. activities)	

Name:	Jhonssell Vargas	Type:	Worker
Accred #:	A58114	Training:	
Exp. Date:	10/28/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Personal #:	PS1		

Name:	Osmin E. Lopez Herrera	Type:	Worker
Accred #:	A46719	Training:	
Exp. Date:	9/30/2022	Fit test:	
Activity:	Removal of ceilings	PWO:	
Personal #:	PS1		

Name:	Omar A Granados Bermud	Type:	Worker
Accred #:	A54503	Training:	
Exp. Date:	6/11/2023	Fit test:	
Activity:	Equipment & supplies	PWO:	
Personal #:	N/A (No abate. activities)		

Name:	Nohemi Zamoran	Type:	Worker
Accred #:	A57748	Training:	
Exp. Date:	9/7/2022	Fit test:	
Activity:	Set-up only	PWO:	
Personal #:	N/A (No abate. activities)		

Material	sf/lf/#	Locations
Other Class II	600	Room 222
Other Class II	600	Room 220
Other Class II	8	Southeast Corner of Second Floor

### **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?



Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/22/2022Location:Throughout Second FloorSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/22/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 220	7:30 AM 10:30 AM	180	7.985	1437	0.005	19.75
AS1R1	Second floor outside Room 220	10:30 AM 2:00 PM	210	7.985	1677	0.002	10.19
AS1R2	Second floor outside Room 220	2:00 PM 5:15 PM	195	7.985	1557	0.002	7.01
PA1	Second floor hallway outside main office/south east corner	11:30 AM 1:45 PM	135	14.4	1944	0.001	0.00

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: Thinh Nguyen Ann Arbor Public Schools Samples Collected By: **Building:** Community High School Sample Collection Date: 7/22/2022 Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: 7/22/2022 AE220516 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	510	2.0	1020	0.011	
1 31 Series	ines castro	4:00 PM	310	2.0	1020	0.011	*
Activity:	Removal of ceiling plaster/final clean						
DC4	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
PS1		10:30 AM				0.007	0.00
PS1R1		10:30 AM	30	2.0	60	0.045	0.00
POIKI	Ines Castro	11:00 AM	30			0.045	0.00
DC4D2	In on Control	11:00 AM	210	2.0	420	0.000	0.00
PS1R2	Ines Castro	2:30 PM	210	2.0	420	0.006	0.00
00103	la co Cookus	2:30 PM	00	2.0	180	0.015	0.00
PS1R3	Ines Castro	4:00 PM	90	2.0		0.015	0.00

**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	Shane Niblock	9:00 AM	120	2.0	240	0.022	
		11:00 AM	120			0.006	*
Activity:	Adjusted ceiling lights fixtures						
PS2	Shane Niblock	9:00 AM	30	2.0	60	0.045	0.00
		9:30 AM	30				
PS2R1	Shane Niblock	9:30 AM	90	2.0	180	0.015	0.00
FJZKI	Stidile Nibiock	11:00 AM	90	2.0	160	0.015	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

\* = 8 hr Time Weighted Average



AFDs used:

Yes

## ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools Date: 7/23/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 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:	Ye		
		Corrections necessary:	No	Calibrated pumps:	Υe		
Contractor Activities		Corrections made:	no	Baseline samples (BL)	N		
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work shift):	Yes	Set-up samples (SS)	N		
Abatement procedures conducted:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Υe		
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Belo		
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Υe		
Repair:	No	Corrections necessary:	No	Above/Below PEL:	Belo		
Enclosure:	No	Corrections made:	No	Above/Below STEL:	belo		
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Ye		
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	N		
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	N/		
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	N/		
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	N		
Final cleaning procedures:	Yes	Asbestos banner tape in place:	Yes	Passed:	N/		
Visual inspection:	Yes	Shower operational:	Yes	Aggressive:	N/		
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:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Ines Castro			
		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 conduct	ing similar		
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)			
		Type:	HFNPR				
				Required Postings			
Criticals set-up:	Yes	Did Consultant enter enclosure:	No	Notification:	Ye		
Shower set-up:	Yes	Time (A.M.): <##:## a.m ##:	## a.m.>	Supervisor/Competent Person Training:	Ye		
_							

Time (P.M.): <##:## p.m. - ##:## p.m.>

**OSHA Personal Sampling Posting:** 

Yes



Client: Ann Arbor Public Schools Date: 7/23/2022 Consultant: Arch Environmental Group, Inc.

**Building:** Community High School Location: Throughout Second Floor

AE220516 Project #:

Project Technician: Thinh Nguyen

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Shane Niblock Competent Person:

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Workers	/ Accreditation	Number

**Ariel Rivera** Type: Worker Name: A58105 Training: Accred #: 10/27/2022 Exp. Date: Fit test: **Removal of Ceilings** PWO: Activity:

PS1 Personal #:

Shane Niblock Type: Supervisor Name: A43597 Training: 10/24/2021 Accred #: Exp. Date: Fit test: 7/15/2022 12/18/2022 Supervisor PWO: 7/2/2022 Activity:

N/A (No abate. Activities) Personal #:

Type: Worker **Ines Castro** Name: A58233 Accred #: Training: 11/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity:

PS1 Personal #:

**Cruz Torres** Type: Worker Name: A58158 Accred #: Training: 11/12/2022 Exp. Date: Fit test: Set-up Only Activity: PWO: N/A (No abate. activities) Personal #:

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

### **Workers / Accreditation Numbers**

Personal #:

Name: Chad Grossa Type: Supervisor A33063 Training: 9/17/2021 Accred #: 11/2/2022 Fit test: 7/15/2022 Exp. Date: **Equipment & supplies** PWO: 10/21/2021 Activity:

Jhonssell Vargas Type: Worker Name: A58114 Training: Accred #: 10/28/2022 Exp. Date: Fit test: Removal of ceilings PWO: Activity: Personal #: PS1

N/A (No abate. activities)

Osmin E. Lopez Herrera Type: Worker Name: A46719 Training: Accred #: 9/30/2022 Fit test: Exp. Date: Removal of ceilings PWO: Activity: PS1 Personal #:

Type: Worker

Training:

Fit test:

PWO:

Omar A Granados Bermud Type: Worker Name: A54503 Accred #: Training: 6/11/2023 Fit test: Exp. Date: **Equipment & supplies** Activity: PWO: N/A (No abate. activities) Personal #:

Nohemi Zamoran Name: A57748 Accred #: 9/7/2022 Exp. Date: Set-up only Activity: N/A (No abate. activities) Personal #:

Material sf/lf/# Locations Other Class II 600 Room 222 Other Class II 600 Room 220

#### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: 7/23/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 7/23/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
1					T		
FB1	Sample prepared on-site.		-	-			2.55
FB2	Sample prepared on-site.						1.91
AS1	Second floor outside Room 220	7:30 AM	180	7.985	1437	(f/cc)	5.73
ASI	Second floor outside Room 220	10:30 AM	160	7.965	1457		5.75
AS1R1	Second floor outside Room 220	10:30 AM	210	7.985	1677	0.002	3.82
ASIKI	Second floor outside Room 220	2:00 PM	210	7.965	10//		5.62
AS1R2	Second floor outside Room 220	2:00 PM	75	7.985	599	0.005	5 10
ASINZ	Second floor outside Room 220	3:15 PM	73				5.10

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: Thinh Nguyen Building: Sample Collection Date: 7/23/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/23/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Ines Castro	7:30 AM	420	2.0	840	0.010	
	Removal of ceiling plaster/final clean	4:00 PM	420	2.0	840	0.008	*
PS1	Ines Castro	7:30 AM	180	2.0	360	0.007	0.00
		10:30 AM 10:30 AM	20		60	0.045	0.00
PS1R1	Ines Castro	11:00 AM	30	2.0	60	0.045	0.00
PS1R2	Ines Castro	11:00 AM 2:30 PM	210	2.0	420	0.006	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

## ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools Date: 7/25/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Shane Niblock

Abatement Information		Regulated Area Information	Regulated Area 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></x>		Conducted by: <x></x>		Aggressive:	Yes
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes
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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>

**OSHA Personal Sampling Posting:** 

Yes



Client: Ann Arbor Public Schools

**Building:** Community High School

Location: **Throughout Second Floor** 

Project #: AE220516 Date: 7/25/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Other Class II

Competent Person: Shane Niblock

### **Abatement Personnel Information**

### **Abatement Personnel Information**

### **Materials Abated - Quantity & Location**

Room 202

Workers	/ Accreditation Numbers
Name:	Erik Richardson

Type: Supervisor Training: 5/13/2022 A52387 Accred #: 6/5/2023 Fit test: 7/15/2022 Exp. Date: PWO: 12/3/2021

Removal of misc. NF Activity:

PS1 Personal #:

Name:

Accred #:

Exp. Date:

Activity:

Shane Niblock A43597 12/18/2022

Type: Supervisor Training: 10/24/2021 Fit test: 7/15/2022 Supervisor PWO: 7/2/2022

N/A (No abate. Activities) Personal #:

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

**Workers / Accreditation Numbers** 

Leonard Dolland, Jr. Type: Supervisor Name: A54663 Training: 5/13/2022 Accred #: 5/30/2023 Fit test: 7/15/2022 Exp. Date: Removal of misc. NF PWO: 5/12/2022 Activity:

PS1 Personal #:

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

Personal #:

Personal #:

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

sf/lf/# Material Locations Other Class II 600 Room 222 Other Class II Room 220 600 Other Class II 3 Room 205

3

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: 7/25/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen Sample Analysis Date: Project #: AE220516 7/25/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
1		I			Ī	1	
FB1	Sample prepared on-site.		-1				2.55
FB2	Sample prepared on-site.						1.91
AS1	Second Floor Hallway, southeast corner	8:30 AM	190	7.985	1517	0.003	14.01
AJI	Second Floor Hallway, Southeast comer	11:00 AM	190	7.983	1317	0.003	14.01
PA1	Room 205	11:00 AM	135	14.4	1944	0.001	0.00
PAI	R00111 205	1:15 PM	155	14.4	1944	0.001	
PA2	Room 202	2:00 PM	135	14.4	1944	0.001	0.00
PAZ	R00m 202	4:15 PM	135				

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: Thinh Nguyen Building: Sample Collection Date: 7/25/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/25/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
		9:30 AM				0.027	
PS1 Series	Erik Richardson	2:00 PM	150	2.0	300	0.008	*
Activity:	Removal of wall plaster cut-outs						
PS1	Erik Richardson	9:30 AM	30	2.0	60	0.045	0.00
131	LIK NICHALUSOH	10:00 AM	30	2.0	00	0.043	0.00
PS1R1	Erik Richardson	10:00 AM	60	2.0	120	0.022	0.00
POINT	ETIK NICHALUSUH	11:00 AM	00	2.0	120	0.022	0.00
PS1R2	Erik Richardson	1:00 PM	60	2.0	120	0.022	0.00
	Erik Kichardson	2:00 PM	- 60	2.0		0.022	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



AFDs used:

Yes

## ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools Date: 7/25/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Shane Niblock

Abatement Information		Regulated Area Information	Regulated Area 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></x>		Conducted by: <x></x>		Aggressive:	Yes
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes
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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>

**OSHA Personal Sampling Posting:** 

Yes



Client: Ann Arbor Public Schools

**Building:** Community High School

Location: Throughout Second Floor

Project #: AE220516 Date: 7/25/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**Competent Person:** Shane Niblock

### **Abatement Personnel Information**

#### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

### **Workers / Accreditation Numbers**

Erik Richardson Type: Supervisor Name: Accred #: A52387 Training: 5/13/2022 6/5/2023 Fit test: 7/15/2022 Exp. Date:

Removal of misc. NF PWO: 12/3/2021 Activity:

PS1 Personal #:

Shane Niblock Type: Supervisor Name: A43597 Training: 10/24/2021 Accred #: Exp. Date: 12/18/2022 Fit test: 7/15/2022 Supervisor PWO: 7/3/2022 Activity:

N/A (No abate. Activities) Personal #:

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

**Workers / Accreditation Numbers** 

Leonard Dolland, Jr. Type: Supervisor Name: Accred #: A54663 Training: 5/13/2022 5/30/2023 Fit test: 7/15/2022 Exp. Date: Removal of misc. NF PWO: 5/12/2022 Activity: PS1 Personal #:

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

Personal #:

Personal #:

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

sf/lf/# Material Locations Other Class II Room 222 600 Other Class II 600 Room 220

Other Class II 3 Southeast block, second floor

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/25/2022 Location: Samples Analyzed By: Throughout Second Floor Thinh Nguyen Project #: AE220516 Sample Analysis Date: 7/25/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						2.55
FB2	Sample prepared on-site.						1.91
PA1	Inside Containment	7:55 AM 11:10 AM	195	8.208	1601	0.002	0.00
PA2	Inside Containment	7:55 AM	195	8.217	1602	0.002	0.00
	inside contaminent	11:10 AM	133	0.217	1002		
PA3	Inside Containment	7:55 AM	195	8.149	1589	0.002	0.00
		11:10 AM					
PA4	Inside Containment	7:55 AM 11:10 AM	195	7.862	1533	0.002	0.00
		7:55 AM					
PA5	Inside Containment	11:10 AM	195	8.021	1564	0.002	0.00
PA6	Outside Containment	8:00 AM	195	7.85	1531	0.002	0.00
FAU	Outside Containment	11:15 AM	195	7.83	1331	0.002	0.00
PA7	Outside Containment	8:00 AM	195	8.22	1603	0.002	0.00
		11:15 AM					
PA8	Outside Containment	8:00 AM	195	8.2	1599	0.002	0.00
		11:15 AM					
PA9	Outside Containment	8:00 AM	195	8.08	1576	0.002	0.00
		11:15 AM					
PA10	Outside Containment	8:00 AM 11:15 AM	195	8.19	1597	0.002	0.00

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



AFDs used:

Yes

## ASBESTOS DAILY PROJECT REPORTS

**On-Site Activity Summary** 

Client: Ann Arbor Public Schools Date: 7/25/2022 Consultant: Arch Environmental Group, Inc.

Building: Community High School Project Technician: Thinh Nguyen

**Location:** Throughout Second Floor Abatement Contractor: Environmental Maintenance Engineers, Inc.

Project #: AE220516 Competent Person: Shane Niblock

Abatement Information		Regulated Area Information	Regulated Area 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></x>		Conducted by: <x></x>		Aggressive:	Yes
# of Waste Bags: <#>		Asbestos signs in place:	Yes	TEM Clearance samples (PA)	Yes
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	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson	
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)	
		Type:	HFNPR		
				Required Postings	
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

Time (P.M.): <##:## p.m. - ##:## p.m.>

**OSHA Personal Sampling Posting:** 

Yes



Client: Ann Arbor Public Schools

Community High School

Location: Throughout Second Floor

Project #: AE220516

**Building:** 

**Date:** 7/25/2022

Consultant:

Arch Environmental Group, Inc.

Project Technician:

Thinh Nguyen

Abatement Contractor:

Environmental Maintenance Engineers, Inc.

**Competent Person:** Shane Niblock

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

### Materials Abated - Quantity & Location

Locations

Worker	s / Accred	litation	Numbers
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Erik Richardson Type: Supervisor Name: Accred #: A52387 Training: 5/13/2022 6/5/2023 Fit test: 7/15/2022 Exp. Date:

Removal of misc. NF PWO: 12/3/2021 Activity:

PS1 Personal #:

Shane Niblock Type: Supervisor Name: A43597 Training: 10/24/2021 Accred #: Exp. Date: 12/18/2022 Fit test: 7/15/2022 Supervisor PWO: 7/3/2022 Activity:

N/A (No abate. Activities) Personal #:

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

**Workers / Accreditation Numbers** 

Leonard Dolland, Jr. Type: Supervisor Name: Accred #: A54663 Training: 5/13/2022 5/30/2023 Fit test: 7/15/2022 Exp. Date: Removal of misc. NF PWO: 5/12/2022 Activity: PS1 Personal #:

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

Personal #:

Personal #:

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

Material Other Class II

Room 222 600 Other Class II 600 Room 220

sf/lf/#

Other Class II Southeast block, second floor

### **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?



Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Community High School Sample Collection Date: 7/25/2022 Location: Samples Analyzed By: Throughout Second Floor Thinh Nguyen Project #: AE220516 Sample Analysis Date: 7/25/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)	
FB1	Sample prepared on-site.						2.55	
FB2	Sample prepared on-site.						1.91	
PA1	Inside Containment	11:25 AM	195	8.208	1601	0.002	0.00	
I AI	inside containment	2:40 PM	155	0.200	1001	0.002	0.00	
PA2	Inside Containment	11:25 AM	195	8.217	1602	0.002	0.00	
PAZ	inside Containment	2:40 PM	193	8.217	1002	0.002	0.00	
PA3	Inside Containment	11:25 AM	195	8.149	1589	0.002	0.00	
FAS	inside containment	2:40 PM	155	0.1.5	1303	0.002	0.00	
PA4	Inside Containment	11:25 AM	195	7.862	1533	0.002	0.00	
FA4	inside Containment	2:40 PM	195	7.802	1333	0.002	0.00	
PA5	Inside Containment	11:25 AM	195	8.021	1564	0.002	0.00	
1 / 3	inside containment	2:40 PM	133	0.021	1304	0.002	0.00	
PA6	Outside Containment	11:20 AM	195	7.85	1531	0.002	0.00	
FAU	Outside Containment	2:35 PM	193	7.83	1551	0.002	0.00	
PA7	Outside Containment	11:20 AM	195	8.22	1603	0.002	0.00	
FA7	Outside Containment	2:35 PM	193	8.22	1003	0.002	0.00	
PA8	Outside Containment	11:20 AM	195	8.2	1599	0.002	0.00	
FAO	Journal of the containment	2:35 PM	133	0.2	1333	0.002	0.00	
PA9	Outside Containment	11:20 AM	105	8.08	1576	0.002	0.00	
PAS	Jourside Containment	2:35 PM	195	6.08	15/6	0.002	0.00	
PA10	Outside Containment	11:20 AM	195	8.19	4507	2 222	0.00	
PAIU	Jourside Containment	2:35 PM	195	6.19	1597	0.002	0.00	

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



Ann Arbor Public Schools

Community High School

AE220516

Shower set-up:

AFDs used:

Yes

Yes

**Throughout Second Floor** 

Client:

**Building:** 

Location:

Project #:

### **ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary**

Date: 7/26/2022 Arch Environmental Group, Inc. Consultant:

Time (A.M.): <##:## a.m. - ##:## a.m.>

Time (P.M.): <##:## p.m. - ##:## p.m.>

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Supervisor/Competent Person Training:

**OSHA Personal Sampling Posting:** 

Yes

Yes

Competent Person: Shane Niblock

Abatement Information		Regulated Area 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		
<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)	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></x>		Conducted by: <x></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	Personal Samples Collected On:			
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson			
		Type:	HFNPR	A worker/workers who is/are representative	e of all workers		
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes	within the work area (all workers are condu	cting similar		
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)			
		Type:	HFNPR				
				Required Postings			
Criticals set-up:	Yes	Did Consultant enter enclosure:	No	Notification:	Yes		



Client: **Ann Arbor Public Schools** 

**Building:** Community High School

**Throughout Second Floor** Location:

**Workers / Accreditation Numbers** 

Project #: AE220516

Exp. Date:

Personal #:

Activity:

**Date:** 7/26/2022

Consultant:

Fit test:

PWO:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Shane Niblock

### **Abatement Personnel Information**

### **Abatement Personnel Information**

**Workers / Accreditation Numbers** 

### **Materials Abated - Quantity & Location**

Name: Accred #: Exp. Date: Activity: Personal #:	Erik Richardson A52387 6/5/2023 Removal of misc. NF PS1	Type: Supervisor Training: 5/13/2022 Fit test: 7/15/2022 PWO: 12/3/2021	Name: Accred #: Exp. Date: Activity: Personal #:	Leonard Dolland, Jr. A54663 5/30/2023 Removal of misc. NF PS1	Type: Supervisor Training: 5/13/2022 Fit test: 7/15/2022 PWO: 5/12/2022
Name: Accred #: Exp. Date: Activity: Personal #:	Shane Niblock A43597 12/18/2022 Supervisor N/A (No abate. Activities)	Type: Supervisor Training: 10/24/2021 Fit test: 7/15/2022 PWO: 7/2/2022	Name: Accred #: Exp. Date: Activity: Personal #:		Type: Training: Fit test: PWO:
Name: Accred #:		Type: Training:	Name: Accred #:		Type: Training:

Exp. Date:

Personal #:

Activity:

Fit test:

PWO:

Material	sf/lf/#	Locations
Other Class II	600	Room 222
Other Class II	600	Room 220
Other Class II	2	Room 208 and offices
Other Class II	4	1st Floor Cafeteria

### **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?



# ASBESTOS DAILY PROJECT REPORTS Air Sample Analysis Information

Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:7/26/2022Location:Throughout Second FloorSamples Analyzed By:Thinh Nguyen

Project #: AE220516 Sample Analysis Date: 7/26/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)	
FB1	Sample prepared on-site.						3.82	
FB2	Sample prepared on-site.						1.27	
AS1	Second Floor Hallway, southeast corner	8:00 AM	135	7.985	1078	0.003	7.01	
7.02		10:15 AM						
AS2	Second Floor north east stairwell	1:30 PM	240	8.149	1956	0.001	4.46	
7.02		5:30 PM	210					
PA1	Room 208 and Offices	10:15 AM	135	14.4	1944	0.001	0.00	
	1100111 200 drid Offices	12:30 PM	133		1344	0.001	0.00	
PA2	1st floor Cafeteria	3:00 PM	135	14.4	1944	0.001	0.00	
FAZ	133t 11001 Cateteria	5:15 PM	135				0.00	

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: Thinh Nguyen Building: Sample Collection Date: 7/26/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Thinh Nguyen AE220516 Sample Analysis Date: 7/26/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series Erik Richardson		9:30 AM	105	2.0	210	0.026	
		2:00 PM	103	2.0	210	0.006	*
Activity:	Removal of wall plaster cut-outs						
PS1	Erik Richardson	9:30 AM	30	2.0	60	0.045	0.00
131		10:00 AM	30			0.043	
DC1 D1	Erik Richardson	1:45 PM	75	2.0	150	0.019	0.00
PS1R1		3:00 PM	/5			0.018	0.00

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

OSHA STEL Limit = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



## **ASBESTOS DAILY PROJECT REPORTS**

#### **On-Site Activity Summary**

Client: Ann Arbor Public Schools

AFDs used:

Yes

**Building:** Community High School

**Throughout Second Floor** Location:

Project #: AE220516 Date: 7/29/2022 Arch Environmental Group, Inc. Consultant:

> Project Technician: Sheri Carriere

Abatement Contractor: Environmental Maintenance Engineers, Inc.

**OSHA Personal Sampling Posting:** 

Yes

**Competent Person:** Shane Niblock

Abatement Information		Regulated Area Informati	on	Air Sample Information			
			_				
OSHA Work Class	II	Enclosure Integrity Check (start of work sh	ift): 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)	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 shi	ft): 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: <#>		PCM Clearance samples (PA)	Yes		
Waste bags checked:	Yes	Smoke testing conducted:	lo - Per Contractor	Passed:	Yes		
Conducted by: Sheri Carriere		Conducted by: <x></x>		Aggressive:	Yes		
# of Waste Bags: 2		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	Personal Samples Collected On:			
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Erik Richardson			
		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 conduct	ting similar		
Full Enclosure		PPE - Respirators (Consultant):	Yes	activities)			
		Type:	HFNPR				
				Required Postings			
Criticals set-up:	Yes	Did Consultant enter enclosure:	Yes	Notification:	Yes		
Shower set-up:	Yes	Time (A.M.): 11am		Supervisor/Competent Person Training:	Yes		

Time (P.M.): <##:## p.m. - ##:## p.m.>



## **ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information**

Client: Ann Arbor Public Schools

**Building:** Community High School

Location: Throughout Second Floor

AE220516 Project #:

Date: 7/29/2022

Consultant:

Type:

Training:

Fit test:

PWO:

Type:

Arch Environmental Group, Inc.

Project Technician:

Sheri Carriere

**Abatement Contractor:** Competent Person:

Environmental Maintenance Engineers, Inc.

Shane Niblock

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### **Materials Abated - Quantity & Location**

Workers	Accreditation	Numbers
---------	---------------	---------

Erik Richardson Type: Supervisor Name: A52387 Training: 5/13/2022 Accred #: Fit test: 7/15/2022 Exp. Date: 6/5/2023 Removal of misc. NF PWO: 12/3/2021 Activity:

PS1 Personal #:

Shane Niblock Type: Supervisor Name: A43597 Training: 10/24/2021 Accred #: 12/18/2022 Fit test: 7/15/2022 Exp. Date: PWO: 7/2/2022 Supervisor Activity:

Personal #: N/A (No abate. Activities)

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

**Workers / Accreditation Numbers** Leonard Dolland, Jr. Name: Type: Supervisor A54663 Training: 5/13/2022 Accred #: 5/30/2023 Fit test: 7/15/2022 Exp. Date: Removal of misc. NF PWO: 5/12/2022 Activity: PS1

Personal #:

Accred #: Exp. Date: Activity: Personal #:

Name:

Name: Accred #: Exp. Date: Activity:

Training: Fit test: PWO: Personal #:

Material sf/lf/# Locations Other Class II Rooms 215/217 6sf Other Class II Second Floor Womens Bathroom 4sf

**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: Sheri Carriere Building: Sample Collection Date: Community High School 7/29/2022 Location: Throughout Second Floor Samples Analyzed By: Sheri Carriere Sample Analysis Date: Project #: AE220516 7/29/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						0.00
FB2	Sample prepared on-site.			-			0.00
PA1	Collected in Rooms 215/217	11:00AM	140	14.4	2016	0.001	0.00
PAI		1:20PM	140				0.00
PA2	Collected in the second floor Womens Bathroom	1:00PM	120	15.03	1804	0.001	0.00
PAZ		3:00PM	120				0.00

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: Sheri Carriere Building: Sample Collection Date: Community High School 7/29/2022 Location: Throughout Second Floor Samples Analyzed By: Sheri Carriere AE220516 Sample Analysis Date: Project #: 7/29/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series	Collected on Erik Richardson	11:00AM	210	2.0	420	0.019	
1 31 Series		2:30PM	210		720	0.008	*
Activity:	Removal of wall plaster cut-outs						
PS1	Collected on Erik Richardson	11:00AM	105	2.0	210	0.013	0.00
P31		12:45PM	105				0.00
atalDC4D4	Collected on Erik Richardson	12:45PM	20	2.0	60	0.045	0.00
stelPS1R1		1:15PM	30			0.045	0.00
DC1D2	Collected on Erik Richardson	1:15PM	75	2.0	150	0.010	0.00
PS1R2	Collected on Erik Richardson	2:30PM	75	2.0		0.018	0.00

**OSHA Permissible Exposure Limit** = 0.100 f/cc, 8 hr TWA **OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



Ann Arbor Public Schools

Community High School

**Throughout Second Floor** 

AE220516

Client:

**Building:** 

Location:

Project #:

## ASBESTOS DAILY PROJECT REPORTS On-Site Activity Summary

Date: 8/1/2022 Consultant: Arch Environmental Group, Inc.

Project Technician: Pedro Pacheco

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Christopher Gibson

Abatement Inform	ation	Regulated Area Information				
OSHA Work Class	II	Enclosure Integrity Check (start of work s	hift): Yes			
		Corrections necessary:	No			
Contractor Activities		Corrections made:	N/A			
Set-up procedures conducted:	Yes	Enclosure Integrity Check (middle of work	c shift): Yes			
Abatement procedures conducted:		Corrections necessary:	No			
Removal:	Yes	Corrections made:	N/A			
Encapsulation:	No	Enclosure Integrity Check (end of work sh	ift): Yes			
Repair:	No	Corrections necessary:	No			
Enclosure:	No	Corrections made:	N/A			
Wet methods used:	Yes	Negative air maintained:	Yes			
Clean up procedures:	Yes	Manometer reading: <#>				
Waste bags checked:	ste bags checked: Yes Smoke testing condu		No - Per Contracto			
Conducted by: Sher	i Carriere	Conducted by: <x></x>				
# of Waste Bags: 2		Asbestos signs in place:	Yes			
inal cleaning procedures:	Yes	Asbestos banner tape in place:	Yes			
Visual inspection:	Yes	Shower operational:	Yes			
Conducted by:		Dumpster secure at end of day:	Yes			
Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes			
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes			
		Type:	HFNPF			
Abatement Method(s)		PPE - Disposable coveralls (Consultant):	Yes			
Mini Enclosure		PPE - Respirators (Consultant):	Yes			
		Туре:	HFNPR, FFPAPF			
Criticals set-up:	Yes	Did Consultant enter enclosure:	Yes			
Shower set-up:	No - Per Contractor	Time (A.M.): 11am				
AFDs used:	Yes	Time (P.M.): <##:## p.m ##:## p.m.>				

Air samples collected:	Yes
Calibrated pumps:	Yes
Baseline samples (BL)	No
Set-up samples (SS)	No
Personal samples (8 hr TWA) (PS)	Yes
Above/Below PEL:	Below
Personal samples (STEL) (PS)	Yes
Above/Below PEL:	Below
Above/Below STEL:	below
Area samples (AS)	No
PCM Clearance samples (PA)	Yes
Passed:	Yes
Aggressive:	Yes
TEM Clearance samples (PA)	No
Passed:	N/A
Aggressive:	N/A

**Air Sample Information** 

#### **Personal Samples Collected On:**

Name(s): Leonard Dolland, Jr.

A worker/workers who is/are representative of all workers within the work area (all workers are conducting similar activities)

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

**Building:** Community High School

**Location:** Throughout Second Floor

Project #: AE220516

Date: 8/1/2022 Consultant:

onsultant:

Arch Environmental Group, Inc.

Project Technician: Pedro Pacheco

**Abatement Contractor:** Environmental Maintenance Engineers, Inc.

Competent Person: Christopher Gibson

#### **Abatement Personnel Information**

#### **Abatement Personnel Information**

#### Materials Abated - Quantity & Location

Workers /	Accreditation Numbers		Workers / Accreditation N	umbers
Name:	Christopher Gibson	Type: Supervisor	Name:	Туре:
Accred #:	A37296	Training: 9/17/2021	Accred #:	Training:
Exp. Date:	11/12/2022	Fit test: 7/15/2022	Exp. Date:	Fit test:
Activity:	Removal of misc. NF	PWO: 4/22/2022	Activity:	PWO:
Personal #:	PS1		Personal #:	
Name:	Leonard Dolland, Jr.	Type: Supervisor	Name:	Туре:
Accred #:	A54663	Training: 5/13/2022	Accred #:	Training:
Exp. Date:	5/30/2023	Fit test: 7/15/2022	Exp. Date:	Fit test:
Activity:	Removal of misc. NF	PWO: 5/12/2022	Activity:	PWO:
Personal #:	PS1		Personal #:	
Name:		Туре:	Name:	Туре:
Accred #:		Training:	Accred #:	Training:
Exp. Date:		Fit test:	Exp. Date:	Fit test:
Activity:		PWO:	Activity:	PWO:
Personal #:			Personal #:	

Material	sf/lf/#	Locations
Other Class II	6sf	Room
Other Class II	4sf	Second Floor Womens Bathroom

#### **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 SchoolsSamples Collected By:Pedro PachecoBuilding:Community High SchoolSample Collection Date:8/1/2022

Location: Throughout Second Floor Samples Analyzed By: Pedro Pacheco
Project #: AE220516 Sample Analysis Date: 8/1/2022

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
FB1	Sample prepared on-site.						0.00
FB2	Sample prepared on-site.						0.00
AS1	Hallway in Front of 2nd Floor Girls Restroom	8:30 AM	180	12.000	2160	0.002	9.55
ASI		11:30 AM	180				
PA1	Collected in Room	9:40 AM	140	14.4	2016	0.001	0.00
PAI		12:00 PM	140				0.00
PA2	Collected in the second floor Womens Bathroom	10:30 AM	135	15.03	2029	0.001	0.00
PAZ		12:25 PM	135				0.00

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: Pedro Pacheco Building: Sample Collection Date: 8/1/2022 Community High School Location: Throughout Second Floor Samples Analyzed By: Pedro Pacheco AE220516 Sample Analysis Date: 8/1/2022 Project #:

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
	T					T T	
PS1 Series	Collected on Leonard Dolland	8:30 AM	210	2.0	420	0.019	
		12:00 PM				0.008	*
Activity:	Removal of wall plaster cut-outs						
STEL	Collected on Leonard Dolland	8:30 AM	105	2.0	210	0.013	0.00
SIEL		9:00 AM	105			0.015	0.00
DC4	Callasted on Laccard Delland	9:00 AM	20	2.0	60	0.045	0.00
PS1	Collected on Leonard Dolland	10:30 AM	30	2.0	60	0.045	0.00
PS1R1	Collected on Leonard Dolland	10:30 AM	75	2.0	150	0.018	0.00
FJIKI	Collected of Leonard Dolland	12:00 PM	/3	2.0	130	0.016	0.00

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

**OSHA STEL Limit** = 1.0 f/cc

<sup>\* = 8</sup> hr Time Weighted Average



1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • FAX (502) 244-7136

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E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: June 25, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-6252ARCHA

Community High School - 2nd Floor Southeast Block Project

AE220516

## Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on June 25, 2022. These samples represent the final clearance TEM samples for the Community High School - 2nd Floor Southeast Block Project - AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.

TEM Laboratory Director



#### SUMMARY OF AHERA TEM RESULTS

#### TABLE I

#### **Inside Samples**

Project Name: Community High School - 2nd Floor Southeast Block Project - AE220516

McCall and Spero Project No: MSE-6252ARCHA

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
101	PA1	NSD	NA	1456.2	0.0047	BDL ( 0.0047 )*	BDL ( 17.7)*
102	PA2	NSD	NA	1443.8	0.0047	BDL ( 0.0047 )*	BDL ( 17.7)*
103	PA3	NSD	NA	1466.8	0.0047	BDL ( 0.0047 )*	BDL ( 17.7)*
I04	PA4	NSD	NA	1415.2	0.0048	BDL ( 0.0048 )*	BDL ( 17.7)*
105	PA5	NSD	NA	1479.1	0.0046	BDL ( 0.0046 )*	BDL ( 17.7)*
					Average	0.0047	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm<sup>2</sup> - asbestos structures per square millimeter s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 6/25/22

MSE Project Number: MSE-6252ARCHA

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I01

Date Received: June 25, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: KRB Volume (liters): 1456.2 Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,500

Mean Grid Square Area: 9400um<sup>2</sup>

Instrument Serial No: D885 Date Analyzed: June 25, 2022

## **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra
Square Structures	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS Specifa
1	NSD	0	0	0	0	_	_
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	0		-
4	NSD	0	0	0	0	1 ·	10-3
5	NSD	0	0	0	0	244	
6	NSD	0	0	0	0		-
Totals	NSD	0	0	0	0	0.447	

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0000
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0000)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (0.0)

MSE Project Number: MSE-6252ARCHA

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I02

Date Received: June 25, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: KRB Volume (liters): 1443.8 Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,500

Mean Grid Square Area: 9400um²

Instrument Serial No: D885 Date Analyzed: June 25, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structur	Structure Type*		Structure Size		EDS Spectra	
Square Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Specifa		
i	NSD	0	0	O	0	_	-	
2	NSD	0	0	0	0	_	-	
3	NSD	0	0	0	0	-	-	
4	NSD	0	0	0	0	_	-	
5	NSD	0	0	0	0	_	-	
6	NSD	0	0	0	0	-	-	
Totals	NSD	0	0	0	0	1-1	-	

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0000
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0000)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (0.0)

MSE Project Number: MSE-6252ARCHA

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I03

Date Received: June 25, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: KRB Volume (liters) : 1466.8 Effective Filter Area: 385mm²

Magnification: 18,500

Mean Grid Square Area: 9400um<sup>2</sup>

Instrument Serial No: D885 Date Analyzed: June 25, 2022

## **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra	
Square Structures	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS Specifa	
1	NSD	0	0	0	0	<u> </u>		
2	NSD	0	0	0	0	444	_	
3	NSD	0	0	0	0	- <u>177</u>		
4	NSD	0	0	0	0		-	
5	NSD	0	0	0	0		-	
6	NSD	0	0	0	0		_	
Totals	NSD	0	0	0	0			

Notes:

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

1.0. Number of Asbestos Structures: No Structures Detected

1.1. Chrysotile: No Structures Detected

1.2. Amphibole: No Structures Detected Type: Not Applicable

2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>

3.0. Analytical Sensitivity (s/cc): 0.0000

4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0000)

5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (0.0)

MSE Project Number: MSE-6252ARCHA

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I04

Date Received: June 25, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 A

Analyst: KRB

Volume (liters): 1415.2 Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,500

Mean Grid Square Area: 9400um<sup>2</sup>

Instrument Serial No: D885 Date Analyzed: June 25, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structu	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS Spectra	
1	NSD	0	0	0	0	_	_
2	NSD	0	0	0	0	_	_
3	NSD	0	0	0	0		(
4	NSD	0	0	0	0	-	-
5	NSD	0	0	0	0	_	-
6	NSD	0	0	0	0	_	-
Totals	NSD	0	0	0	0	_	_

Notes:

F=Fiber B=Bundle C=Cluster M SAED=Selected Area Electron Diffraction E

M=Matrix

NSD=No Structures Detected

EDS=Energy Dispersive Spectrometry

1.0. Number of Asbestos Structures: No Structures Detected

1.1. Chrysotile: No Structures Detected

1.2. Amphibole: No Structures Detected Type: Not Applicable

2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>

3.0. Analytical Sensitivity (s/cc): 0.0000

4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0000)

5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (0.0)

MSE Project Number: MSE-6252ARCHA

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I05

Date Received: June 25, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: KRB Volume (liters): 1479.1

Effective Filter Area: 385mm²

Magnification: 18,500

Mean Grid Square Area: 9400um²

Instrument Serial No: D885 Date Analyzed: June 25, 2022

## **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra
Square Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fallem	EDS Specia	
1	NSD	0	0	0	0	_	-
2	NSD	0	0	0	0		
3	NSD	0	0	0	0	-	-
4	NSD	0	0	0	0	_	-
5	NSD	0	0	0	0	-	-
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0000
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0000)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (0.0)



Results Transmitted/Date:

1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 2447136

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

## TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone	#: (248)	126-0165	Fax #: (248) 4	27.0205
Contact:	Jeff Heydanek / Steven Roach			iber: A		1/
Relinquished	1 by: Thinh Daugen			1/2023		200
Written Rep	ort To: Steven Roach, 37720 Interchange Dri	ive. Farming	ton Hills M	inhiman 4022	Time: 3	301
Project Nam	e: Community High School	1- and	Floor	Chigan 4833	0-1-21	(
Turn-Aroun	d Time: (Circle One) 4 Hour 6-8 Hour(same da	1 24 Hans	1 1100	aune	2007 1010	ck
	25000000000000000000000000000000000000	y)   24 Hour	1 2-3 Day	4-5 Day	Weekend Rush   A	After Hour Ru
For Laborato	ny Use Only					
MSE Project	#: MSE-6252 ARCHA Comment					
Samples Reco	eived by: 11 27 7	ts:				
Sample To B	eived by: TEM AHERA / EPA 40CFR P	Date:	1/230	122	Time: 7	70m
	Joseph TEN ALIENA / EPA 400 FR P	ort 763				
amples Ana	pared By: 2 Not By byzed By: 2 M Byzed By: 2 M Byzed B	Method	: Burdett			
pico rana	yzeu by:	Date:	6/25	122		
Client ID						
Client ID Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start	Stop	Total Tim	e x Liters/Minute	= Volumo
	Sample Location / Type (Dinside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside	Time	Time		e x Liters/Minute	_
Number	(1)inside(O)outside(B)blank (P)personal(A)ambient	Time N/A	N/A	N/A	N/A	N/A
Number FBI	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Number FBI FBO	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
Number FBI FBO FBL	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A N/A
Number FBI FBO FBL PA1	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A S.090	N/A N/A N/A
FBI FBO FBL PA1 PA2	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8021 8.149	N/A N/A N/A 1456 1443
FBI FBO FBL PA1 PA2 PA3	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8021 8.149 7.862	N/A N/A N/A 1456 1443
FBI FBO FBL PA1 PA2 PA3 PA4	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A N/A N/A	N/A N/A N/A S-20/M	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 8.217	N/A N/A N/A 1456 1443 1466
FBI FBO FBL PA1 PA2 PA3 PA4 PA5	Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A	N/A N/A N/A S:20/M	N/A N/A N/A	N/A N/A N/A 8.090 8021 8.149 7.862	N/A N/A N/A 1456 1443 1466
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A N/A N/A	N/A N/A N/A S-20/M	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 8.217 7.840 8.220	N/A N/A N/A 1456 1443 1466 1415: 1479
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6 PA7	Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A N/A N/A	N/A N/A N/A S-20/M	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 8.217	N/A N/A N/A 1456 1443 1466 1415: 1479
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6 PA7	(I)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A N/A N/A	N/A N/A N/A S-20/M	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 8.217 7.840 8.220	N/A N/A N/A 1456 1443 1466 1415: 1479

Fax/Phone By:

.PLEASE EMAIL ALL REPORTS TO: labs@archenvgroup.com



1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • FAX (502) 244-7136

Specialists in Microanalysis

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: June 28, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-6282ARCHA.1

Community High School - 1st Floor Kitchen/Café Project

ARCH# AE220516

## Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on June 28, 2022. These samples represent the final clearance TEM samples for the Community High School - 1st Floor Kitchen/Café Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



## SUMMARY OF AHERA TEM RESULTS

#### TABLE I

## **Inside Samples**

Project Name: Community High School - 1st Floor Kitchen/Café Project ARCH# AE220516

McCall and Spero Project No: MSE-6282ARCHA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1780	0.0038	BDL ( 0.0038 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1765	0.0039	BDL ( 0.0039 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1793	0.0038	BDL ( 0.0038 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1730	0.0039	BDL ( 0.0039 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1808	0.0038	BDL ( 0.0038 )*	BDL ( 17.7)*
					Average	0.0038	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster

M=Matrix NSD=No Structures Detected

SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

\_\_ Date: 6/28/22

McCall and Spero Environmental, Inc.

MSE Project Number: MSE-6282ARCHA.1

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: June 28, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1780

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um² Instrument Serial No: D1002 Date Analyzed: June 28, 2022

## COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structure Size		CAED Datter	EDC Chartes	
Square Stru	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	0	_		
2	NSD	0	0	0	0	-		
3	NSD	0	0	0	0	_	_	
4	NSD	0	0	0	0	-	_	
5	NSD	0	0	0	0	-	_	
6	NSD	0	0	0	0			
Totals	NSD	0	0	0	0			

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0038
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0038)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-6282ARCHA.1

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: June 28, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1765

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: June 28, 2022

## COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structure Size		CAEDD	PDG 6	
Square Structures	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	0	_		
2	NSD	0	0	0	0	- 3	_	
3	NSD	0	0	0	0		=	
4	NSD	0	Õ	0	0			
5	NSD	0	0	0	0		_	
6	NSD	0	0	0	0		_	
Totals	NSD	0	0	0	0			

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0039
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0039)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-6282ARCHA.1

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: June 28, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1793

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: June 28, 2022

## COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDC Constan	
Square Structure	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	Ó	_		
2	NSD	0	0	0	0			
3	NSD	0	0	0	0		-	
4	NSD	0	0	0	0			
5	NSD	0	0	0	0	_		
6	NSD	0	0	0	0	_		
Totals	NSD	0	0	0	0			ď

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0038
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0038)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-6282ARCHA.1

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: June 28, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1730

Effective Filter Area: 385mm²

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: June 28, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structu	re Type*	Structu	re Size	CAED D	PDC 0
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	Ó	_	_
2	NSD	0	0	0	0	200	
3	NSD	0	0	0	0	_	
4	NSD	0	0	0	0	=	
5	NSD	0	0	0	0	_	
6	NSD	0	0	0	0	_	
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0039
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0039)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-6282ARCHA.1

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: June 28, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1808

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: June 28, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structu	re Type*	Structu	re Size	CAED D.	FDC C	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	O	0	0	-22		
2	NSD	0	0	0	0	2	200	
3	NSD	0	0	0	0		_	
4	NSD	0	0	0	0	-		
5	NSD	0	0	0	0		_	
6	NSD	0	0	0	0			
Totals	NSD	0	0	0	0		_	•

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0038
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0038)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



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## TEM AHERA CHAIN OF CUSTODY FORM

Company: Arch Environmental Group, Inc.	Telephone #: _(248) 426-0165	For # (2.40) 405 0005
Contact: Jeff Heydanek / Steven Roach	Client Project Number:	Fax#: (248) 427-0305 AE 220516
Relinquished by: I hinh Nguyen	Date: (6/27/2012	Time: 2:30 PM
Written Report To: Steven Roach, 37720 Interchange	Drive, Farmington Hills, Michigan 4	8335
Project Name: Community than school	1-1ST Floor Kitch	en Mare
Turn-Around Time: (Circle One) 4 Hour   6-8 Hour(san	ne day)   24 Hour   2-3 Day   4-5 Day	Weekend Rush   After Hour Rush
For Laboratory Use Only		
MSE Project#: MSE-6282ARCHA! Comm	nents: Int of	
Samples Received by: 50 AHERA / EPA 40CH	Date: 6 28 02	Time: CFO
	R Part 763	09
Samples Prepared By:	Method: Burdett & Rood	
Samples Analyzed By: 50	Det 1/20/21	
	Date: 6/38/33	

Number	Sample Location / Type (Dinside(O)outside(B)blank (P)personal(A)ambient	Start Time	Stop Time	Total Time	x Liters/Minute	= Volume
FBI	Field Blank - Inside	N/A	N/A	N/A		_
FBO	Field Blank - Outside	N/A	N/A		N/A	N/A
FBL	Field Blank - Lab	N/A	N/A	N/A	N/A	N/A
PA1	Inside Enclosure			N/A	N/A	N/A
PA2	Inside Enclosure	8.40 AM	12:209M	220	8.090	1780
PA3	Inside Enclosure				8.021	1760
PA4	Inside Enclosure				8 149	179
PA5	Inside Enclosure	1	+		7.462	173
PA6	Outside Enclosure	7.2.004			8,717	K08
PA7	Outside Enclosure	8:30AM	12:10PM		7840	1725
PA8	Outside Enclosure		-1-		8.220	1808
PA9	Outside Enclosure				8.200	1804
PA10	Outside Enclosure	1/		XIZ	8.080	1779
		V	V	V	9.190	1807

Results Transmitted/Date:	For/Dhoma D
β	PLEASE EMAIL ALL REPORTS TO: labs@archenveroum.com



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Specialists in Microanalysis

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: July 1, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-712ARCHA

Community High School - 2nd Floor Northeast Block, Room

208 Project

ARCH# AE220516

## Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 1, 2022. These samples represent the final clearance TEM samples for the Community High School - 2nd Floor Northeast Block, Room 208 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S.

Director of Testing Services



## SUMMARY OF AHERA TEM RESULTS

## TABLE I

#### **Inside Samples**

Project Name: Community High School - 2nd Floor Northeast Block, Room 208 Project ARCH# AE220516

McCall and Spero Project No: MSE-712ARCHA

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1618	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1604	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1630	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1572	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1643	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
					Average	0.0042	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster SAED=Selected Area Electron Diffraction

M=Matrix NSD=No Structures Detected

SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

\_ Date: 1\1\22

McCall and Spero Environmental, Inc.

MSE Project Number: MSE-712ARCHA

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 1, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1618

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um² Instrument Serial No: D1002 Date Analyzed: July 1, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structu	re Type*	Structu	re Size	SAED Pattern	EDC Cuanton
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	=	10
2	NSD	0	0	0	0		-
3	NSD	0	0	0	0		_
4	NSD	0	0	0	0	_	_
5	NSD	0	0	0	0	-	
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0042
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-712ARCHA

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 1, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1604

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 1, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	Ерз эреспа
1	NSD	Ö	0	0	0		
2	NSD	0	0	0	0		
3	NSD	0	0	0	0	_	
4	NSD	0	0	0	0	_	
5	NSD	0	0	0	0	_	
6	NSD	0	0	0	0	_	
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-712ARCHA

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 1, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm

Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1630

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 1, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDC Cuastra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	_	_
2	NSD	0	0	0	0	-	_
3	NSD	0	0	0	0	=	
4	NSD	0	0	0	0		
5	NSD	0	0	0	0		_
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

1.0. Number of Asbestos Structures: No Structures Detected

1.1. Chrysotile: No Structures Detected

1.2. Amphibole: No Structures Detected Type: Not Applicable

2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>

3.0. Analytical Sensitivity (s/cc): 0.0042

4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)

5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-712ARCHA

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 1, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1572

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 1, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDC Cuastra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		
2	NSD	0	0	0	0	-	
3	NSD	0	0	0	0	-	-
4	NSD	0	0	0	0		_
5	NSD	0	0	0	0		
6	NSD	0	0	0	0	_	-
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-712ARCHA

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 1, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1643

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 1, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structu	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	Ó	0	0	0	10	
2	NSD	0	0	0	0		
3	NSD	0	0	0	0		_
4	NSD	0	0	0	Ô		_
5	NSD	0	0	0	0		
6	NSD	0	0	0	0	_	=
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0042
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



Company:

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## TEM AHERA CHAIN OF CUSTODY FORM

	Arch Environmental Group, Inc.	Telephone	#: _(248) 4	26.0165	Far. #	
Contact:	Jeff Heydanek / Steven Roach		Project Num		Fax#: (248) 42	7-0305
Relinquished	by: I Winh Naugen		613018	2000		
Written Rep	ort To: Steven Roach, 37720 Interchange Dri	ive Farming	ton Hills M	ial-1 4000	Time: 5:3	30 PM
Project Name	=: Community High School-2"	Ad Floor	M. H.	LAS I		
Turn-Around	Time: (Circle One) 4 Hour   6-8 Hour(same da	1 24 Tour	1 222	24 DIECK	L Room 20	28
		y)   24 Hour	2-3 Day	4-5 Day	Weekend Rush   A	fler Hour Ru
tor Laborato	ry:useonly					
MSE Project	#: MSE-712 ARCHA Commen	1	1			
Samples Rece	cived by:	1101	CA.			
	Analyzed by: TEM AHERA LEPA 40CFR P	Date:	7/1/22	2	Time: _ 8:	30
	ared By:					
Samples Anal		Method	711	& Rood		
	200	Date:	4/1/2	22		
Client ID						
Client ID Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal (A)ambient	Start	Stop	Total Tim	e v I itaraMinut	-1/-1
	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside	Time	Time		ne x Liters/Minute	
Number	(1)inside(O)outside(B)blank (P)personal(A)ambient	Time N/A	Time N/A	N/A	N/A	N/A
Number FBI	(1)mside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Number FBI FBO	(I)Inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A
Number FBI FBO FBL	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Number FBI FBO FBL PA1	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
Number FBI FBO FBL PA1 PA2	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A %.090	N/A N/A N/A 1618
FBI FBO FBL PA1 PA2 PA3	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090	N/A N/A N/A 1618 1604
FBI FBO FBL PA1 PA2 PA3 PA4	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021	N/A N/A N/A 1618 1604
FBI FBO FBL PA1 PA2 PA3 PA4 PA5	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.021 7.862	N/A N/A N/A 1618 1630 1572
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8308.149 7.862 8.217	N/A N/A N/A 1618 1604 1630 1572
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6 PA7	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.08149 7.862 8.217 7.840 8.220	N/A N/A N/A 1618 1604 1630 1572 1643
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.021 7.862 8.217 7.840	N/A N/A N/A 1618 1604 1630 1572 1643 1568

Results Transmitted/Date:	Fax/Phone By:
PLE	ASE EMAIL ALL REPORTS TO: Jahs@archanyaraya



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Specialists in Microanalysis

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: July 7, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-772ARCHA.1

Community High School - Room 202/204 Project

ARCH# AE220516

## Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 7, 2022. These samples represent the final clearance TEM samples for the Community High School - Room 202/204 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



## **SUMMARY OF AHERA TEM RESULTS**

#### TABLE I

## **Inside Samples**

Project Name: Community High School - Room 202/204 Project - ARCH# AE220516

McCall and Spero Project No: MSE-772ARCHA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1618	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1604	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1630	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1572	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1643	0.0042	BDL ( 0.0042 )*	BDL ( 17.7)*
					Average	0.0042	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster

M=Matrix

NSD=No Structures Detected

SAED=Selected Area Electron Diffraction

EDS-Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 7/7/22

MSE Project Number: MSE-772ARCHA.1

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 7, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm

Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1618

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 7, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structu	re Type*	Structu	re Size	CAED Down	EDG 0
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		
2	NSD	0	0	0	0	2	==0
3	NSD	0	0	0	0		
4	NSD	0	0	0	0		
5	NSD	0	0	0	0		
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0042
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-772ARCHA.1

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 7, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1604

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um² Instrument Serial No: D1002 Date Analyzed: July 7, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	CAPDD	EDG 6	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	0			
2	NSD	0	0	0	0		=	
3	NSD	0	0	0	0			
4	NSD	0	0	0	0		-	
5	NSD	0	0	0	0		3	
6	NSD	0	0	0	0		_ =	
Totals	NSD	0	0	0	0			-

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-772ARCHA.1

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 7, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm

Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1630

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 7, 2022

## **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	CAED Datter	PDC C
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		-
2	NSD	0	0	0	0		
3	NSD	0	0	0	0		-
4	NSD	0	0	0	0		
5	NSD	0	0	0	0		
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0042
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-772ARCHA.1

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 7, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1572

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 7, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structur	re Type*	Structu	re Size	0.450 n	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	-	
2	NSD	0	0	0	0		
3	NSD	0	0	0	0	-	
4	NSD	0	0	0	0	-	
5	NSD	0	0	0	0		
6	NSD	0	0	0	0	===	
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-772ARCHA.1

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 7, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1643

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um² Instrument Serial No: D1002 Date Analyzed: July 7, 2022

## **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDC Canadan
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	-	
2	NSD	0	0	0	0	-	_
3	NSD	0	0	0	0	200	-
4	NSD	0	0	0	0	-	400
5	NSD	0	0	0	0	-	-
6	NSD	0	0	0	0	_	
Totals	NSD	0	0	0	0	-	

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0042
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0042)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



Arch Environmental Group, Inc.

Company:

1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7136

E-mail: customerservice@mselabs.com . Website: www.mselabs.com

## TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone #	: (248) 42	26-0165 I	Fax #: (248) 427	7-0305
Contact:	Jeff Heydanek / Steven Roach	_ Client Pr	oject Numb	er: AF	120516	
Relinquished l	by: Think Dawyen	_ Date: _	7/6/22		Time: 3:0	OPM
Written Repor	t To: Steven Roach, 37720 Interchange Driv	ve, Farmingt	on Hills, Mic	chigan 48335		
Project Name:	A 1161 C		n 202			
Turn-Around	Time: (Circle One) 4 Hour   6-8 Hour(same day			1-1	eekend Rush   Aft	er Hour Rush
MSE Project # Samples Recei Sample To Be Samples Prepa Samples Analy	e: MSE-772ARCHA: Comment wed by: TEMPAHERA / EPA 40CFR Pared By:	Date:	Burdett	& Rood	Time: <b>&amp;</b>	00
Client ID Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start Time	Stop Time	Total Time	x Liters/Minute	= Volume
FBI	Field Blank - Inside	N/A	N/A	N/A	N/A	N/A
FBO	Field Blank - Outside	N/A	N/A	N/A	N/A	N/A
FBL	Field Blank - Lab	N/A	N/A	N/A	N/A	N/A
PA1	Inside Enclosure	10:50AV	2:1094	200	8.090	1616
PA2	Inside Enclosure	1		r	8-021	1604
PA3	Inside Enclosure				5.149	1630
PA4	Inside Enclosure				7.862	1572
PA5	Inside Enclosure	V	V		6.217	1643
PA6	Outside Enclosure	10:50AM	1:50PM		7.840	1568
PA7	Outside Enclosure		r I		8.220	1644
PA8	Outside Enclosure				8.200	1640
PA9	Outside Enclosure				8.080	1616
PA10	Outside Enclosure	11/	V	3//	100	1.00

Results Transmitted/Da	ate:	Fax/Phone By:
	PLEASE EMAIL ALL REP	ORTS-TO: labs@archenvgroup.com-}-



1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • FAX (502) 244-7136

Specialists in Microanalysis

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: July 12, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-7122ARCHA.1

Community High School - Rooms 215/217 Project

ARCH# AE220516

#### Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 12, 2022. These samples represent the final clearance TEM samples for the Community High School - Rooms 215/217 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



## SUMMARY OF AHERA TEM RESULTS

#### TABLE I

#### **Inside Samples**

Project Name: Community High School - Rooms 215/217 Project ARCH# AE220516

McCall and Spero Project No: MSE-7122ARCHA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1578	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1564	0.0044	BDL ( 0.0044 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1589	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1533	0.0045	BDL ( 0.0045 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1602	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
					Average	0.0044	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster

M=Matrix NSD=No Structures Detected

SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 7/12/22

MSE Project Number: MSE-7122ARCHA.1

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 12, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL

Volume (liters): 1578

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um2 Instrument Serial No: D1002 Date Analyzed: July 12, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structu	re Size	SAED Pattern	CDC Connection
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	o o	-	-
4	NSD	0	0	0	0		
5	NSD	0	0	0	0		
6	NSD	0	0	0	o o		_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7122ARCHA.1

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 12, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Analyst: SDL

Grids Analyzed: 2

Volume (liters): 1564

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um2 Instrument Serial No: D1002 Date Analyzed: July 12, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structu	re Size	SAED Pattern	EDC Constan
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	_	4
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	0	-	-
4	NSD	0	0	0	0	-	-
5	NSD	0	0	0	0	_	-
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		-

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0044
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0044)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7122ARCHA.1

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 12, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1589

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 12, 2022

## **COUNT SHEET SUMMARY**

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDC Cuarter	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	0	_	_	
2	NSD	0	0	0	0		-	
3	NSD	0	0	0	0		-	
4	NSD	0	0	0	0			
5	NSD	0	0	0	0	-	_	
6	NSD	0	0	0	0	_	_	
Totals	NSD	0	0	0	0			5

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm²
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7122ARCHA.1

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 12, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1533

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 12, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	CAED D.	ED0.0
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	-	
2	NSD	0	0	0	0		Ξ.
3	NSD	0	0	0	0	-	=
4	NSD	0	0	Ů.	0		
5	NSD	0	0	0	o O		-
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0045
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0045)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7122ARCHA.1

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 12, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1602

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 12, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structure Size		SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS Specifa
1	NSD	0	0	0	0	_	
2	NSD	0	0	0	0		
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	_	
5	NSD	0	0	0	0		
6	NSD	0	0	0	0		_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



Company:

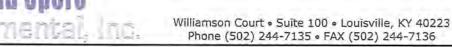
1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7136

E-mail: customerservice@mselabs.com • Website: www.mselabs.com

# TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone	#: _(248) 4	26-0165	Fax #: _(248) 4	27.0205
Contact:	Jeff Heydanek / Steven Roach			ber: AE		21-0303
Relinquished	1 by: Thinh Dayen		7/11/2		Time: \2:	DE PAI
Written Rep	ort To: Steven Roach, 37720 Interchange Dr				1 Ime: (C-	00 (100
Project Nam	e: Chmmunity High School -	Q nom	215121	l	0	
Turn-Aroun	d Time: (Circle One) 4 Hour   6-8 Hour(same da	av) 1 24 Hour	1 22 Day 1	150 1 .		C 4 700
	THE CONTRACTOR OF THE CONTRACT					
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MSE Project	#: MSE- 7122ARCHA! Commen	C STOP	- /			
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	e Analyzed by: TEM AFIERA / EPA 40CFR P	Date:	7/12/20	L	Time:	50
Samples Pre	pared By:		/ 100 400	F DWY C		
	lyzed By: 81		Burdett			
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Client ID Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start	Stop	Total Time	e x Liters/Minut	e = Volume
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Number	(I)inside(O)outside(B)blank (P)personal(A)ambient	Time N/A	N/A	N/A	N/A	N/A
Number FBI	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Number FBI FBO	(I)inside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
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Number FBI FBO FBL PA1	(Dinside(O)outside(B)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090	N/A N/A N/A 1578
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Number FBI FBO FBL PA1 PA2 PA3 PA4	(Diaside(O)outside(E)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A S:30fM	N/A N/A N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 9.090 8.021 5.149 7.862 4.217	N/A N/A N/A 1578 1564 1569 1533 1602
FBI FBO FBL PA1 PA2 PA3 PA4 PA5	(Dinside(O)outside(E)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A S:30fM	N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 9.090 8.021 8.149 7.862 4.217	N/A N/A N/A 1578 1564 1533 1602 1531
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6	(Dinside(O)outside(E)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure	N/A N/A N/A S:30fM	N/A N/A N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 4.217 7.850 8.220	N/A N/A N/A 1578 1564 1589 1602 1531 1603
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6	(Dinside(O)outside(E)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A S:30fM	N/A N/A N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A R.090 8.021 8.149 7.862 9.217 7.850 8.220 8.200	N/A N/A N/A 1578 1564 1589 1602 1531 1603 1599
FBI FBO FBL PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8	(Diaside(O)outside(E)blank (P)personal(A)ambient Field Blank - Inside Field Blank - Outside Field Blank - Lab Inside Enclosure Inside Enclosure Inside Enclosure Inside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure Outside Enclosure	N/A N/A N/A S:30fM	N/A N/A N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A 8.090 8.021 8.149 7.862 4.217 7.850 8.220	N/A N/A N/A 1578 1564 1589 1602 1531 1603

Results Transmitted/Date		Post/DL
<u> </u>	PLEASE EMAIL ALL REPOR	Fax/Phone By:



Specialists in Microanalysis

E-mail: customerservice@mselabs.com . Website: www.mselabs.com

Date: July 21, 2022

Attention: Jeff Heydanek

Arch Environmental Group, Inc.

Subject: Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE: MSE-7212ARCHA.1

Community High School - Room 207 Project

ARCH# AE220516

#### Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 21, 2022. These samples represent the final clearance TEM samples for the Community High School - Room 207 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



## SUMMARY OF AHERA TEM RESULTS

#### TABLE I

#### **Inside Samples**

Project Name: Community High School - Room 207 Project - ARCH# AE220516

McCall and Spero Project No: MSE-7212ARCHA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1601	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1602	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1589	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1533	0.0045	BDL ( 0.0045 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1564	0.0044	BDL ( 0.0044 )*	BDL ( 17.7)*
					Average	0.0044	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 7/21/22

MSE Project Number: MSE-7212ARCHA.1

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 21, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1601

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 22, 2022

## COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structure Size		SAED Pattern	EDG G	
Square	Structures	Chrysotile			>5.0um	SAED Pattern	EDS Spectra	
1	NSD	0	0	0	0	_	_	
2	NSD	0	0	0	0	-	_	
3	NSD	0	0	0	0	_	-	
4	NSD	0	0	0	0	_	_	
5	NSD	0	0	0	0	_	_	
6	NSD	0	0	0	0		_	
Totals	NSD	0	0	0	0			

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7212ARCHA.1

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 21, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1602

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um² Instrument Serial No: D1002 Date Analyzed: July 22, 2022

#### COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structure Size		SAED Pattern	EDC Casatas
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		-
2	NSD	0	0	0	0	_	_
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	1-	_
5	NSD	0	0	0	0		_
6	NSD	0	0	0	0		-
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7212ARCHA.1

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 21, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1589

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 22, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structure Size		SAED Pattern	EDS Spectra
Square	Structures			>5.0um	SAED Pattern		
1	NSD	0	0	0	0	_	
2	NSD	0	0	0	0	_	
3	NSD	0	0	0	0	-	
4	NSD	0	0	0	0		_
5	NSD	0	0	0	0		_
6	NSD	0	0	0	0		_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7212ARCHA.1

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 21, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1533

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 22, 2022

## COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structure Size		SAED Pattern	EDC C
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		
2	NSD	0	0	0	0	_	
3	NSD	0	0	0	0	=	
4	NSD	0	0	0	0		
5	NSD	0	0	0	0		
6	NSD	0	0	0	0		
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0045
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0045)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7212ARCHA.1

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 21, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1564

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 22, 2022

#### **COUNT SHEET SUMMARY**

Grid	No.	Structure Type*		Structure Size		SAED Bottom	EDC C	
Square	Structures			>5.0um	SAED Pattern	EDS Spectra		
1	NSD	0	0	0	Ò	_	_	
2	NSD	0	0	0	0	-	=	
3	NSD	0	0	0	0		_	
4	NSD	0	0	0	0		_	
5	NSD	0	0	0	0			
6	NSD	0	0	0	0		_	
Totals	NSD	0	0	0	0			<

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0044
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0044)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



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## TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone	#: (248) 42	6-0165	Fax #: _(248) 42	7-0305
Contact:	Jeff Heydanek / Steven Roach		roject Numb		120516	
Relinquished	by: Thinh Nguyen	Date:	7/20/	2012	Time: 12:	OOPM
Written Repor	rt To: Steven Roach, 37720 Interchange Dri	ve, Farming	ton Hills, Mic	higan 48335		
Project Name	A					
Turn-Around	Time: (Circle One) 4 Hour   6-8 Hour(same da				Veekend Rush   A	ter Hour Rush
For Laborator  MSE Project # Samples Received Sample To Be	Use Only Read PA1-PAS, is MSE-7212 ARCHA! Commentived by:	ts: W	f pass.		Time: 900	
Samples Preparents Analy	yzed By: 5	Method Date:	7/01/0	k Rood		
Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start Time	Stop Time	Total Time	e x Liters/Minute	=Volume
FBI	Field Blank - Inside	N/A	N/A	N/A	N/A	N/A
FBO	Field Blank - Outside	N/A	N/A	N/A	N/A	N/A
FBL	Field Blank - Lab	N/A	N/A	N/A	N/A	N/A
PA1	Inside Enclosure	8:15An	111:30AM	195	8208	1601
PA2	Inside Enclosure				8.217	1602
PA3	Inside Enclosure				8.149	1589
PA4	Inside Enclosure				7.862	1533
PA5	Inside Enclosure	V	V		8.021	1564
PA6	Outside Enclosure	8:00AM	1615AM		7850	1531
PA7	Outside Enclosure	1	1		8.220	1603
PA8	Outside Enclosure				8.200	1599
PA9	Outside Enclosure	10			8.08	1576
PA10	Outside Enclosure	W.	V	1	8.190	1597

Results Transmitted/Date:		Fax/Phone By:
F	PLEASE EMAIL ALL REPO	RTS-TO:labs@archenvgroup.com-



Specialists in Microanalysis

E-mail: customerservice@mselabs.com . Website: www.mselabs.com

Date:

July 26, 2022

Attention:

Jeff Heydanek

Arch Environmental Group, Inc.

Subject:

Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE:

MSE-7262ARCHA.1

Community High School - Room 220 Project

ARCH# AE220516

#### Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 26, 2022. These samples represent the final clearance TEM samples for the Community High School - Room 220 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



#### SUMMARY OF AHERA TEM RESULTS

#### TABLE I

#### **Inside Samples**

Project Name: Community High School - Room 220 Project ARCH# AE220516

McCall and Spero Project No: MSE-7262ARCHA.1

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1601	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1602	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1589	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1533	0.0045	BDL ( 0.0045 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1564	0.0044	BDL ( 0.0044 )*	BDL ( 17.7)*
					Average	0.0044	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected

s/mm² - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 7/26/22

MSE Project Number: MSE-7262ARCHA.1

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 26, 2022

#### SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE Filter Diameter: 25mm

Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1601

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### **COUNT SHEET SUMMARY**

Grid	No.	Structur	Structure Type* Structure Size	re Size	SAED Pattern	EDS Spectra	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SALDTAILEIN	LDS Specia
1	NSD	0	0	0	0	-	-
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	_	-
5	NSD	0	0	0	0	-	_
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0		_

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA.1

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 26, 2022

#### SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1602

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### **COUNT SHEET SUMMARY**

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SALDTARCIII	LDS Spectra
1	NSD	0	0	0	0	-	-
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	0	-	-
4	NSD	0	0	0	0	+	<del></del>
5	NSD	0	0	0	0	-	-
6	NSD	0	0	0	0	-	-
Totals	NSD	0	0	0	0		

Notes:

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

1.0. Number of Asbestos Structures: No Structures Detected

1.1. Chrysotile: No Structures Detected

1.2. Amphibole: No Structures Detected Type: Not Applicable

2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>

3.0. Analytical Sensitivity (s/cc): 0.0043

4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)

5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA.1

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 26, 2022

#### SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1589

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### **COUNT SHEET SUMMARY**

Grid	No.	Structu	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	-	-
2	NSD	0	0	0	0	-	
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	_	-
5	NSD	0	0	0	0	_	-
6	NSD	0	0	0	0	_	-
Totals	NSD	0	0	0	0		

Notes:

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

1.0. Number of Asbestos Structures: No Structures Detected

1.1. Chrysotile: No Structures Detected

1.2. Amphibole: No Structures Detected Type: Not Applicable

2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>

3.0. Analytical Sensitivity (s/cc): 0.0043

4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)

5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA.1

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1533

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS Specia
1	NSD	0	0	0	0		-
2	NSD	0	0	0	0	-	-
3	NSD	0	0	0	0	-	_
4	NSD	0	0	0	0	-	_
5	NSD	0	0	0	0	-	-
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0	-	_

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0045
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0045)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA.1

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm

Grid Openings Analyzed: 6 Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1564

Effective Filter Area: 385mm²

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED FAUCH	EDS Specia
1	NSD	0	0	0	Ö	_	-
2	NSD	0	0	0	0		5
3	NSD	0	0	0	0	_	-
4	NSD	0	0	0	0	-	-
5	NSD	0	0	0	0	-	-
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0		-

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0044
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0044)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



1831 Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7136

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## TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone	#: (248) 4:	26-0165	Fax #: (248) 42	7-0305
Contact:	Jeff Heydanek / Steven Roach		roject Numl	Δ.	220516	
Relinquished	by: Thinh Naugen	Date:	7/25/2	022	Time: 3:	oolm
Written Repo	ort To: Steven Roach, 37720 Interchange Dri	ve, Farming	on Hills, Mi	chigan 48335		
Project Name			220			
Turn-Around	Time: (Circle One) 4 Hour 6-8 Hour(same da		1 2-3 Day 1	4-5 Day 1 V	Veekend Ruch   A	er Hour Ruch
				. J Day	Veckend Rush   A	ici 110di Rusii
For Laborator	my Use Only Read PAI-5, Stop	it pas	5			
MSE Project	#: MSE- 7362-ARCHA . 1 Comment	· lut	11			
Samples Rece			7/26/00	1	Time: 43	7
	Analyzed by: TEM AHERA / EPA 40CFR P.		7 100 00		_ Time: 50	
	pared By:	Method	: Burdett	Pr Dood		
Samples Anal		Date:	2/2//	2 KOOG		
	Mar		91.00	0		
Client ID	Sample I section / True	1 0				
Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start Time	Stop Time	Total Tim	e x Liters/Minute	=Volume
FBI	Field Blank - Inside	N/A	N/A	N/A	N/A	N/A
FBO	Field Blank - Outside	N/A	N/A	N/A	N/A	N/A
FBL	Field Blank - Lab	N/A	N/A	N/A	N/A	N/A
PA1	Inside Enclosure	7:55AM	11:10AM	195	8,208	1601
PA2	Inside Enclosure	1		1	8217	1602
PA3	Inside Enclosure				8.149	1589
PA4	Inside Enclosure				7.862	1533
PA5	Inside Enclosure	1			8.021	
PA6	Outside Enclosure	5.00AM	11:15A		7850	1564
PA7	Outside Enclosure	1	1		8.220	1531
PA8	Outside Enclosure				9.200	1603
PA9	Outside Enclosure					1599
PA10	Outside Enclosure	1/	V	1	8.080	1576
				- '	2.100	1

Results Transmitted/Date	):	Fax/Phone By:
	PLEASE EMAIL ALL REI	PORTS-TO: labs@archenvgroup.com-



Williamson Court • Suite 100 • Louisville, KY 40223 Phone (502) 244-7135 • FAX (502) 244-7136

Specialists in Microanalysis

E-mail: customerservice@mselabs.com . Website: www.mselabs.com

Date:

July 26, 2022

Attention:

Jeff Heydanek

Arch Environmental Group, Inc.

Subject:

Analysis of air samples for asbestos mineral fibers by

Transmission Electron Microscopy (TEM)

RE:

MSE-7262ARCHA

Community High School - Room 222 Project

ARCH# AE220516

#### Dear Mr. Heydanek:

McCall and Spero Environmental, Inc. has completed the analyses of the air samples we received from your office on July 26, 2022. These samples represent the final clearance TEM samples for the Community High School - Room 222 Project - ARCH# AE220516.

The TEM counting procedures described for the asbestos-containing materials in schools under the Asbestos Hazard Emergency Response Act (AHERA) were used during the analyses. Specifically, structures were counted in two categories: 0.5 to 5.0 micrometers in length and greater than 5 micrometers in length, which were added together for a total asbestos structure count.

The results for the five (5) samples taken inside the work area are summarized in Table I. TEM sample analysis printouts are also attached. Please note that the average number of asbestos structures per square millimeter (s/mm²) is 17.7 s/mm², which is below the specified clearance level of 70 s/mm² (40CFR Part 763).

Thank you for consulting McCall and Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S

Director of Testing Services



#### SUMMARY OF AHERA TEM RESULTS

#### TABLE I

#### **Inside Samples**

Project Name: Community High School - Room 222 Project ARCH# AE220516

McCall and Spero Project No: MSE-7262ARCHA

MSE Lab ID	Client ID	# of Asb. Struc.	Asb. Type	Sample Vol. (1)	Calculated Analytical Sensitivity (s/cc)	Conc. (s/cc)	Conc. (s/mm²)
I-01	PA1	NSD	NA	1601	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-02	PA2	NSD	NA	1602	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-03	PA3	NSD	NA	1589	0.0043	BDL ( 0.0043 )*	BDL ( 17.7)*
I-04	PA4	NSD	NA	1533	0.0045	BDL ( 0.0045 )*	BDL ( 17.7)*
I-05	PA5	NSD	NA	1564	0.0044	BDL ( 0.0044 )*	BDL ( 17.7)*
					Average	0.0044	17.7

Filter Type: MCE Filter diameter: 25mm Effective filter Area: 385mm<sup>2</sup>

Pore Size: 0.45um

Mean Grid Square Area: 0.00940mm<sup>2</sup> Grid Openings Analyzed Per Sample: 6 Area Analyzed Per Sample: 0.0564mm<sup>2</sup> Non-Asbestos Debris: Non-Fibrous Debris

Notes: The Laboratory is not responsible for data collected by personnel who are not part of the laboratory. Results reported in both structures /cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel and are not covered by the laboratory's NVLAP accreditation.

CH = Chrysotile A = Amosite

BDL = Below Detectable Limit

F=Fiber B=Bundle C=Cluster

M=Matrix NSD=No Structures Detected

SAED=Selected Area Electron Diffraction EDS-Energy Dispersive Spectrometry

s/mm<sup>2</sup> - asbestos structures per square millimeter

s/cc = asbestos structures per cubic centimeter

\* Single fiber detection limits are used when no structures are detected.

Results apply only to the items listed.

The analysis was performed according to the TEM Method (40CFR part 763).

This laboratory is in compliance with the specified method.

Analytical results may not be used by any party to claim product endorsement by NVLAP or any agency of the U.S. Government.

Laboratory Director:

Date: 7/26/22

MSE Project Number: MSE-7262ARCHA

Client I.D. Number: PA1 Location: Inside Enclosure MSE Lab I.D: I-01

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2

Analyst: SDL

Volume (liters): 1601

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0		_
2	NSD	0	0	0	0	-	_
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	-	_
5	NSD	0	0	0	0	_	_
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA

Client I.D. Number: PA2 Location: Inside Enclosure MSE Lab I.D: I-02

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1602

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### COUNT SHEET SUMMARY

Grid No.		Structure Type*		Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Specifa
ī	NSD	0	0	0	0	_	_
2	NSD	0	0	0	0	-	=
3	NSD	0	0	0	0		
4	NSD	0	0	0	0	_	-
5	NSD	0	0	0	0	_	_
6	NSD	0	0	0	0		-
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA

Client I.D. Number: PA3 Location: Inside Enclosure MSE Lab I.D: I-03

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1589

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

#### COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	_	_
2	NSD	0	0	0	0		-
3	NSD	0	0	0	0	_	-
4	NSD	0	0	0	0	_	
5	NSD	0	0	0	0	_	-
6	NSD	0	0	0	0	_	_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0043
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0043)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

MSE Project Number: MSE-7262ARCHA

Client I.D. Number: PA4 Location: Inside Enclosure MSE Lab I.D: I-04

Date Received: July 26, 2022

## SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm

Grids Analyzed: 2 Analyst: SDL

Grid Openings Analyzed: 6

Volume (liters): 1533

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

## COUNT SHEET SUMMARY

Grid No.	Structure Type*		Structu	re Size	SAED Pattern	EDC Canata	
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Pattern	EDS Spectra
1	NSD	0	0	0	0	-	
2	NSD	0	0	0	0	_	
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0		_
5	NSD	0	0	0	0	_	
6	NSD	0	0	0	o o	_	_
Totals	NSD	0	0	0	0		

Notes:

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0045
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0045)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)

### AHERA TEM SAMPLE ANALYSIS

MSE Project Number: MSE-7262ARCHA

Client I.D. Number: PA5 Location: Inside Enclosure MSE Lab I.D: I-05

Date Received: July 26, 2022

### SAMPLING AND ANALYSIS PARAMETERS

Prep. Technique: Burdett & Rood

Filter Type: MCE

Filter Diameter: 25mm Grid Openings Analyzed: 6

Grids Analyzed: 2 Analyst: SDL Volume (liters): 1564

Effective Filter Area: 385mm<sup>2</sup>

Magnification: 18,000

Mean Grid Square Area: 9400um<sup>2</sup> Instrument Serial No: D1002 Date Analyzed: July 26, 2022

### COUNT SHEET SUMMARY

Grid	No.	Structur	re Type*	Structu	re Size	SAED Pattern	EDS Spectra
Square	Structures	Chrysotile	Amphibole	0.5-5.0um	>5.0um	SAED Fattern	EDS SPECIIA
1	NSD	0	0	Ō	0		-
2	NSD	0	0	0	0	_	_
3	NSD	0	0	0	0	_	_
4	NSD	0	0	0	0	_	-
5	NSD	0	0	0	0	_	92
6	NSD	0	0	0	0	_	-
Totals	NSD	0	0	0	0	-	_

Notes:

F=Fiber B=Bundle C=Cluster M=Matrix NSD=No Structures Detected SAED=Selected Area Electron Diffraction EDS=Energy Dispersive Spectrometry

- 1.0. Number of Asbestos Structures: No Structures Detected
  - 1.1. Chrysotile: No Structures Detected
  - 1.2. Amphibole: No Structures Detected Type: Not Applicable
- 2.0. Area of Filter Analyzed: 0.05640mm<sup>2</sup>
- 3.0. Analytical Sensitivity (s/cc): 0.0044
- 4.0. Total Asbestos Structures (s/cc): Below Detectable Limit (0.0044)
- 5.0. Total Asbestos Structures (s/mm²): Below Detectable Limit (17.7)



PA9

PA10

**Outside Enclosure** 

**Outside Enclosure** 

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E-mail: customerservice@mselabs.com \* Website: www.mselabs.com

8.080

8,190

### TEM AHERA CHAIN OF CUSTODY FORM

Company:	Arch Environmental Group, Inc.	Telephone #	: (248) 42	26-0165	Fax #: (248) 427	7-0305
Contact:	Jeff Heydanek / Steven Roach	Client P	oject Numb	er: AE	220516	
Relinquished	by: Thinh Daygen				Time: 3-6	20 PM
	ort To: Steven Roach, 37720 Interchange Driv					
Project Name	^					
Turn-Around	Time: (Circle One) (4 Hour   6-8 Hour(same da				/eekend Rush   Af	er Hour Rush
Samples Rece Sample To Be Samples Prep	#: MSE-7262ARCHA, Comment	ts: Na Date:	ct 7/26/20		Time: 🔑 Z	30
Client ID Number	Sample Location / Type (I)inside(O)outside(B)blank (P)personal(A)ambient	Start Time	Stop Time	Total Tim	e x Liters/Minute	=Volume
FBI	Field Blank - Inside	N/A	N/A	N/A	N/A	N/A
FBO	Field Blank - Outside	N/A	N/A	N/A	N/A	N/A
FBL	Field Blank - Lab	N/A	N/A	N/A	N/A	N/A
PA1	Inside Enclosure	11:25 AM	2:40PM	195	€.208	1601
PA2	Inside Enclosure	1			9.217	1602
PA3	Inside Enclosure				6,149	1589
PA4	Inside Enclosure				7.862	1533
PA5	Inside Enclosure	1	V		8 021	1564
PA6	Outside Enclosure	11:20Am	2:350		7.850	1531
PA7	Outside Enclosure	1	1		8.220	1603
PA8	Outside Enclosure				5000	1600

Results Transmitted/Date:	Fax/Phone By:
PLEASE EMAIL AL	L-REPORTS-TO:-labs@archenvgroup.com

### **APPENDIX C**

**Contractor Documentation** 



### **APPENDIX C1**

**Project Notification** 



### NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) AIR QUALITY DIVISION



MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS (LARA), ASBESTOS PROGRAM, P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

NI	ESHAP, 40 CF	R Part 61, Sur	орап м			F.A. 135 UF	1900, AS AIVIE	NDED, Section	220 (1-4) 01 (0)
1. NOTIFICATION:					4. DEMOLITIO	N CONTRACTOR:	Internal Proje	ct #:	
Date of Notification	n: 06/07/202	2 Docu	ment#: 00	000508950	Name:				
Date of Original:	1. 00/01/202		nal Document #:		Mailing Add	ress:			
Notification Type:	☑ Orig	-		led	City/State/Z	ip:			
Mark appropriate		•		ica	E-mail:				
					Contact:			Phone:	
DEQ (NESHAP) [									
	ovation - 10 <u>w</u>	orking days n	otice		5. FACILITY OV	WNER:	Internal Proj	ect #:	
☐ Emergency F					Name: Ann	Arbor Public School	ls		
	emolition - 10	working days	notice		Mailing Add	ress: 2555 S. State	e Street		
☐ Intentional Bu	ırn - 10 <u>workir</u>	ng days notice			City/State/Z	ip: Ann Arbor, MI 4	18104		
☐ Ordered Den	nolition				E-mail:				
LARA (MIOSHA) [	Will not accep	ot annual noti	fications]		Contact: B	ernie Rice		Phone:	734-249-1244
☑ Demo, Reno,	Encap. (>10 I	n. ft./15 sq. ft.)	10 <u>calendar</u> days no	otice					
☐ Emergency F	Renovation/End	apsulation							
Calculate LARA As	bestos Projec	t Fee:(1% Pro	ject Fee)	Time & material	6. FACILITY DE	SCRIPTION:			
Total Project Cost:	\$0.00		x 0.01 = \$0.00		Facility Nam	e: Community High	n School		
Type of Contractor:	Type II		License No: C2	684	Location Add				
Licensing Authority:	MIOSHA				City/State/Zi	p: Ann Arbor, MI 4	8104		
2. PROJECT SCHEDU					County: W	,	ge: 100 years		
		and project	attach a schodula she	wing the start/and	No. of Floors	3: 3	If Apt. #	f of units:	
date of each ph	_ •	aseu projeci, a	attach a schedule sho	wing the statuend	Nearest Cro				
date of each pin		RT DATE	END	DATE	Size: (sq. ft.)		Floor No.:	2	
* Renovation:					ı	: Educational			
+ Asb. Removal:	06/	21/2022	07/3	0/2022	Prior Use:				
+ Demolition:					Specific Loc	ation(s) in Facility: 2	zna Floor Cassi	rooms	
Encapsulation:									
* Includes setup, b	uild enclosure, a	sbestos remova	I, demobilizing, etc.		7. DISPOSAL S	ITE:			
			estos removal/demo.		Name: Ca	rleton Farms Landfill			
			ited days of the week	and work hours	Location Add	dress: 28800 Clark	Rd Rd		
for the purpose	-	•	•		ı	p: New Boston, MI	48164		
		the Week	730am-500pm	nours					
Asb. Removal:	M, Tu, W,	Th, F, Sa	730am-300pm		l _	NSPORTER(S): epublic Services			
						dress: 5400 Cogsw	المير		
Demolition:						ip: Wayne, MI 4818			
Encapsulation:					1	р. •••аупо, п. чого			
Elicapsulation.					Name:	d			
			ss the days of the week	or vary from day to	Location Add				
day and attach a d	ocument with De	etailed Work Hou	ırs.		City/State/Zi	p:			
3. ABATEMENT CONT	TRACTOR:	Interna	Project #: 22-025/	4	1	EMOLITIONS: (See N			
Name: Environme	ental Maintena	nce Engineers	s, Inc.		Demolition.") A	copy of the official Orde	er must accompan	y this notification	•
Mailing Address:	25851 Trowb	ridge St.			Gov't Agenc	y Ordering Demo:			
City/State/Zip: Ir	nkster, MI 481	41-2465			Name/Title o	f Person Signing Ord	der:		
E-mail: mikek@te	eameme.com				Date of Orde	er:	Date Ordere	ed to Begin:	
Contact: Michael	Kelly		Phone: 31	3-791-2600					
10. ASBESTOS INFO									
		d - character at the			□ No 10/01 o		mman to domesti	tion?	Yes □ No
·			asbestos inspection re Regulated Asbestos Con		_	sbestos be removed	·		_
		-	<u>ill not</u> be removed prior	-					
	_	-	t be removed prior to de	•			_	•	
RACM/AC	M	RACI	M to be	Non-fr	iable ACM <u>not</u> rei	moved prior to demo.	•		
to be remo	ved	Enca	psulated	Categ	ory I	Category	IJ	Units of	Measure
								Ln. Ft.	☐ Ln. M.
12000								☑ Sq. Ft.	☐ Sq. M.
								Cu. Ft.*	☐ Cu. M.*
*Volume (cubic ft /meters	a should be used	d only if unable t	a managera by linear/age	are measure (example	onbooton boo follo	n off of ourfood)			

### NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

	ROJECT DESCRIPTION: Complete A) for Renovation (asbestos remova				bar an an an an Indonesia	
	A) RENOVATION: Mark all surfaces/types of RACM to be removed:		sulation (for LARA): M	_		
	☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tanks(s)	□ Pi			☐ Tanks(s)	
	☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(☐ Mag Block ☑ Other (describe):		eam(s)   Duct(s) ther (describe):	rumen(s)	☐ Ceiling Tile(s)	
	Plaster Ceilings		ator (describe).			
	Method of removal: Describe how the asbestos will be removed:		_			
	☐ Glove Bag ☑ Neg. Pressure Cont. ☐ Cut into sections		☐ Hand Scraping			
	☐ Dry Removal (please provide attachment with a description and ex	planation	Other (describe)	):		
	B) DEMOLITION: Indicate if complete or partial demolition:					
	☐ Complete or ☐ Partial (describe part of facility to be demolished	d):				
	Method of Demolition: Describe the method of demolition of facility, I	bridge, etc.:				
	☐ Excavator or other heavy equipment ☐ Disassembly by	hand $\Box$	Explosives	Other (describe):		
40.5	MOINTEDING CONTROL C. Describe work practices and engineering co	ntrale used to pro	went visible emissions b	oforo during and aff	er removal, and until no	oper disposal:
12. E	NGINEERING CONTROLS: Describe work practices and engineering co				er removal, and unui pr	oper disposal.
	✓ Water spray to control dust ✓ Place in leak tight containers	✓ Adequat	tely wet material	Other (describe):		
42.1	INEXPECTED ASBESTOS: Describe the steps you intend to follow in the	ovent that unevi	nected PACM is found o	or previously non-frish	la achaetae hacamae fr	iahle
13. 0	(crumbled, pulverized, reduced to powder, etc.) and therefore regulated:		pected 1010W is found t	or previously non-map	ie aspestos peconics ii	iabic
	✓ Stop Work ✓ Wet material ✓ Contact DEQ at		ntractor 🗹	Revise notification	☐ Other (desc	cribe):
			_			·
14. P	ROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS:					
	A) Indicate how you determined whether or not asbestos is in the facility	. If analytical san	npling was used, descril	e method of analysis	. (The determination of	the presence
	or absence of asbestos must be made prior to submitting a renovatio					
	All suspect materials sampled and analyzed using Polarized Light	Microscopy (PLN	νI) □ Ot	her (describe):		
	P. Name address and shape number of company performing ashestess	e curvov: Arch E	puironmental Group, 24	8-426-0165 37720 In	terchange Drive	
	B) Name, address, and phone number of company performing asbestos	s survey: Arch E	nvironmental Group, 24	8-426-0165, 37720 In	terchange Drive,	
	B) Name, address, and phone number of company performing asbestos Farmington Hills, MI, 48336 C) Name, accreditation number of inspector, and date of inspection: Ga	-		8-426-0165, 37720 In	terchange Drive,	
	Farmington Hills, MI, 48336	-		8-426-0165, 37720 In	terchange Drive,	
45.5	Farmington Hills, MI, 48336 C) Name, accreditation number of inspector, and date of inspection: Ga	-		8-426-0165, 37720 In	terchange Drive,	
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15. E	Farmington Hills, MI, 48336 C) Name, accreditation number of inspector, and date of inspection: Ga  MERGENCY RENOVATIONS: Date/time of emergency:	-		8-426-0165, 37720 In	terchange Drive,	
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### **APPENDIX C2**

**Contractor License** 



Contractor Number C2684

Expiration Date 12/8/2022

### State of Michigan

Department of Labor and Economic Opportunity

### Environmental Maintenance Engineers, Inc.

has satisfactorily met the requirements of Michigan Public Act 135 of 1986, as amended, and is hereby recognized as a

### LICENSED ASBESTOS ABATEMENT CONTRACTOR

Type II (5 + employees)

The issuance of this license does not ensure that asbestos indemnification insurance coverage has been acquired by the licensee. This license is nontransferable.

MIO 3003 (03/2019)
Authority: Michigan Public Act 135 of 1986, as amended

155663

Environmental Maintenance Engineers, Inc. 25851 Trowbridge Street Inkster, MI 48141

The Michigan Department of Labor and Economic Opportunity (LEO) has reviewed and approved your application for a Michigan Asbestos Abatement Contractors License. The License Certificate is valid for a period of one year.

The Department is requiring each licensed asbestos abatement contractor to notify the Department of any asbestos abatement project exceeding 10 linear feet or 15 square feet of friable asbestos containing material. This notification must reach the office of the Asbestos Program at least 10 days before the beginning of each project. If for any reason there are revisions or modifications to a notification, your company must notify LEO by FAX (517.284.7700), telephone, or email (asbestos@michigan.gov). If the revision is via telephone, your company must follow-up with a formal written revision.

Please be advised, your company must continue to maintain records of post-abatement air monitoring results. LEO can and may request these post asbestos abatement monitoring results periodically. Please be reminded that any additional or new employees must be accredited before they engage in any asbestos abatement activities.

To apply for renewal of this license, please submit an application no sooner than 90 days and no later than 30 days before the license expires. The Department must also be notified of any address or ownership changes. Project notifications and questions regarding your license should be directed to the Michigan Department of Labor and Economic Opportunity, MIOSHA Asbestos Program, P.O. Box 30671, Lansing, Michigan 48909, 517.284.7698.

Dan W. Maki

Safety and Health Manager

Dan W. Make



### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/27/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER		NAME: Deborah Gale		
VTC Insurance Group		PHONE (A/C. No. Ext): (248) 888-0370	FAX (A/C, No):	
37000 Grand River Ave Ste 150		E-MAIL ADDRESS: dgale@vtcins.com		
		INSURER(S) AFFORDING CO	VERAGE	NAIC #
Farmington Hills MI 48335		INSURERA: Nautilus Insurance Con	mpany	17370
INSURED		INSURERB: Charter Oak Fire Insu	rance	25615
Environmental Maintenance Engineers,	Inc.	INSURER C: Great Divide Insurance	e Company	25224
25851 Trowbridge		INSURER D:		
		INSURER E :		
Inkster MI 48141		INSURER F:		
COVERAGES CERTIFICA	TE NUMBER:21-22	Liab REVISI	ON NUMBER:	

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSR	TYPE OF INSURANCE	ADDL SI	UBR POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
	X COMMERCIAL GENERAL LIABILITY					EACH OCCURRENCE DAMAGE TO RENTED	\$	2,000,00
A	CLAIMS-MADE X OCCUR	x	ECP203022912	10/1/2021	10/1/2022	MED EXP (Any one person)	\$	5,00
						PERSONAL & ADV INJURY	\$	2,000,00
	GEN'L AGGREGATE LIMIT APPLIES PER:					GENERAL AGGREGATE	\$	2,000,00
	POLICY X PRO-					PRODUCTS - COMP/OP AGG	\$	2,000,00
	OTHER:						\$	
	AUTOMOBILE LIABILITY					COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,00
_	X ANY AUTO					BODILY INJURY (Per person)	\$	
В	ALL OWNED SCHEDULED AUTOS		BA0135C519	10/1/2021	10/1/2022	BODILY INJURY (Per accident)	\$	
- 1	X HIRED AUTOS X NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident)	\$	
							\$	
	UMBRELLA LIAB X OCCUR					EACH OCCURRENCE	\$	3,000,00
A	X EXCESS LIAB CLAIMS-MADE					AGGREGATE	\$	3,000,00
	DED RETENTION \$		FFX203023112	10/1/2021	10/1/2022		\$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY					X PER OTH-		
- 1	ANY PROPRIETOR/PARTNER/EXECUTIVE	N/A				E.L. EACH ACCIDENT	\$	1,000,00
C	(Mandatory in NH)	n'^	WCA203020812	10/1/2021	10/1/2022	E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - POLICY LIMIT	\$	1,000,000
A	Contractors Pollution Liab.		ECP203022912	10/1/2021	10/1/2022	Claims Made - Limit Each Claim:		\$2,000,00
A	Professional Liability		ECP203022912	10/1/2021	10/1/2022	Claims Made - Limit Each Claim:		\$2,000,00

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Project:Community and Burns Park Where required by written contract, Ann Arbor Public Schools, its officers, officials, employees, and volunteers are additional insured on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. It is understood and agreed that thirty (30) days advance notice of cancellation, non-renewal, reduction.

CERTIFICATE HOLDER	CANCELLATION
Finance Department Ann Arbor Public Schools	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
2555 S. State Street Ann Arbor, MI 48104	AUTHORIZED REPRESENTATIVE
	P Williams/DGALE

CANCELLATION

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### **APPENDIX C3**

Worker Documentation





440 Burroughs, Suite 343 Detroit, MI 48202 (313) 963-1433

This is to certify that

### **Bradley Altherr** XXX-XX-

Has attended and successfully completed a 40-hour/5-day course Which meets the Accreditation Requirements for

### CONTRACTOR SUPERVISOR INITIAL

This course fulfills the requirements under TSCA Title II and is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1988 as amended

Training Dates: May 9-13, 2022

Exam Date: May 13, 2022 Expiration Date: May 13, 2023

Certification Number: 4201-051322

Stephen Dancy

Trainer

### State of Michigan

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Bradley F. Altherr



**Accreditation Number** A45730

**Expiration Date** 

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered

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nvironmental Maintenance Engineers, Inc. 25861 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### **Testing Record Qualitative Fit**

		7/15/2022	22	
Bradley Altherr	ierr	Date of Test	rest	
Employee Name	ne	7/15/2023	23	
		Expiration Date	Date	
1) Have you had any respiratory problems in the last week?	blems in the last week?	□ Yes	& N	
2) Testing agent used: Imitant Smoke	moke	☑ Yes	<u>8</u>	
3) Employee sensitive?		✓ Yes	<u>8</u>	
4) Positive - Negative facepiece to face test passed?	ace test passed?	✓ Yes	% □	
5) Qualitative Fit Test passed?		☑ Yes	ê D	
Tester Signature:	David Silva	Date: 7/15/2022		
Approved Respirator(s):				
Size:	☐ Large			
1) Brand: /bray-1/	Model #: R. Macu	Type: //2 6.	17411	
2) Brand: North	Model #: 7200	Type: Cull G.		

Type: 1/2 6	Type: Gull and			7) Recognize & handling emergency situations 8) Inspecting the resolvator
Righer	2200		wing items:	
Model #: R. Maco	Model #: 7200	ning Program:	tand each of the follo	of misuse
1) Brand: // 1/20 //	2) Brand: North	Respiratory Protection Training Program:	Before signing, be sure you understand each of the following items:	1) Explanation of the ramifications of misuse 2) Why the particular recollection was selected
Brand:	Brand:	spiraton	re signing	Explanatio
£	2)	Res	Befo	1,6

<ol> <li>Explanation of the ramifications of misuse</li> </ol>	<ol> <li>Recognize &amp; handling emergence</li> </ol>
<ol><li>Why the particular respirator was selected</li></ol>	<ol><li>Inspecting the respirator</li></ol>
<ol> <li>Limitations of the selected respirator</li> </ol>	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>
6) Maintenance of the respirator	

CMC/ Employee Signature

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

v62016

Test valid for 1 year from date of test

7/15/2022 Date

## OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

Bredley Alther

Name of Individual:

Date of Examination:	5/1023
Name of Examining Physician:	
Name of Medical Facility:	1st Chaice / Ocemed Comed
Address of Medical Facility:	234SS Michega Bie
	Decebor MI 48124
Phone Number of Facility:	313.438.6084

In accordance with the requirements of Section (f) of the OSHA Asbestos standard, 20 CR 1910,1001, the examining physician will provide the amployer with a written opinion which shall contain the following: (the physician much check a box for each statement below) Phon

- Based on the results of the medical examination, I have determined this Individual:
   May or \_\_\_ May NOT use a respirator while performing arbeitos work
- Use of Respirator is conditional upon passing a respirator fit test
  Remove fadal half which interferes with respirator fit.

  Do not wear contact letuses while using respirator

  Corrective leuses worm with the shall be worn so as not to adversely affect the fit of the face plece Recommended limitations for respirator use if any: ત
- The results of my examination today:

  Have or When NOT detected a medical condition which would place the employee at an increased risk of material health insuliment from exposure to asbestos.
- N I HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
- $\overline{\mathbf{K}}$  The employee NAS been advised of the increased risk of lung cancer attributable to the cambined effect of smooting and asbestos exposure.
- As attending Physician, I have determined that a Chesi Roentgangram (X-Ray) \_\_\_was NOT necessary \_\_\_ was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending construsion and interpretation of any additional testing performed during the examination.





### State of Michigan

paparement of Labor and Economic Opportunity
on Occapational Satury & Mealth Administration - Appoints Front

Asbestos Contractor/Supervisor

Anthony R. Barbour

**Accreditation Number** Expiration Date

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



DOB:



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141

### **Qualitative Fit**

313,791,2600 Office - 313,701,2601 Fax www.teameme.com	Testing Record	
Anthony Barbour Employee Name	7/15/2021  Date of Test  7/15/2022  Expiration Date	
1) Have you had any respiratory problems in the last week?	(? □ Yes ☑ No	
2) Testing agent used: Imtant Smoke	☐ Yes ☐ No	
3) Employee sensitive?	☑ Yes ☐ No	
4) Positive - Negative facepiece to face test passed?	○ Yes □ No	
5) Qualitative Fit Test passed?	☑ Yes ☐ No	
Tester Signature: David Silva	Date: 7/15/2021	
Approved Respirator(s):		
Size: 🗆 Small 🕳 Medium	□ £arge	
1) Brand: Hearywell / Werth Model #: RU EBeo	Type:	
2) Brand: Model #:	Туре:	
		_

# Respiratory Protection Training Program:

understand each of the following items: reations of misuse rator was selected ed respirator	7) Recognize & handling emergency situations 8) inspecting the respirator 9) Use of air purifying respirator 10) Purpose of medical evaluation
<ol><li>Wearing the respirator</li></ol>	<ol> <li>Proper fit-testing techniques</li> </ol>

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Limitations of the selected respirator
  - 4) Putting on the respirator
    - Wearing the respirator
- Maintenance of the respirator

Lunderstand the use, care and inspection of the respirator(s) I may use. I have had the opportunifility way and fit-lest the respirator(s) I use.

Employee Signature

7/15/2021

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

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Name of Individual:	Arthury Parlown
Date of Examination:	6/15/22
Name of Examining Physician:	my they posts lane
Name of Medical Facility:	First chaice Diagnit corre
Address of Medical Facility:	23455 HChigan He
	Department, 46124

Phone Number of Facility:

physician will provide the employer with a written opinion which shall contain the following: (the physician much check a In accordance with the requirements of Section (I) of the OSHA Asbestos standard, 29 CFR 1910.1001, the examining box for each statement below)

- Based on the results of the medical examination, I have determined this individual: / May or \_\_\_ May NOT use a respirator while performing asbestos work
- Recommended limitations for respirator use if any: ٠i
- \_\_\_\_ Use of Respirator is conditional upon passing a respirator fit test
  - Remove facial hair which interferes with respirator fit Do not wear contact lenses while using respirator
- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face place
- The results of my examination today:
- ——. Have or 🛴 Have NOT detected a medkal condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.
- 🟒 i HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure. 4
- $\sqrt{}$  The employee HAS been advised of the Increased risk of lung cancer attributable to the combined effect of smotking and asbestos exposure.
- 6 As attending Physician, I have determined that a Chest Roenigenogram (X-Ray) 🗸 was NOT necessary necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.

Date Signature of Examining Physician

Certificate Number: 247038 - 31585

### ETC Training Services Group

38900 W. Huron River Drive, Romulus, MI 48174-1159

(734) 955-6600

**PRESENTS** 

### Mario Carson

SSN: \*\*\*\_\*\*

10761 Havernill St, Detroit, MI 48224

with certification for having successfully completed the 8 hour/1 day which meets the requirements for

### **Asbestos Contractor Supervisor Refresher Training Course**

Complying with the requirements of MI Public Act 440 of 1988 as amended, OSHA 29 CFR 1926.1101 & 40 CFR Part 763 (AHERA) as required under Title II of the Toxic Substance Control Act (TSCA)

Course date: May 20, 2022

Expiration Date: May 20, 2023

Bi C. Tout

Trainer

ETC President

### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Mario D. Carson

I BOR T

Accreditation Number A45731

Expiration Date 05/23/2023

DOR

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if aftered



Environmental Maintenance Englneers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax

### **Testing Record Qualitative Fit**

		77.07/91/	777	_
Mario Carson		Date of Test	Test	
Employee Name		7/15/2023	023	
		Expiration Date	n Date	
1) Have you had any respiratory problems in the last week?	ms in the last week?	□ Yes	<b>%</b>	
2) Testing agent used: Irritant Smoke	9.	✓ Yes	<b>%</b> □	
3) Employee sensitive?		✓ Yes	% 	
4) Positive - Negative facepiece to face test passed?	test passed?	√ Yes	<b>8</b> □	
5) Qualitative Fit Test passed?		✓ Yes	2   	
Tester Signature:	Date: 7/15/2022	15/2022		
Approved Respirator(s):				
Size:   Small	□ Medium □ Targe			
1) Brand: #lassy well Mod	Model #: Ru than Type:	1360	1	
2) Brand: //k./h. Mod	Model #: Zxxx Type:	coll her	il	
				_

## Respiratory Protection Training Program:

Before signing, be sure you understand each of the following Items:	
1) Explanation of the ramifications of misuse	7) Recognize & handling emergency situations
2) Why the particular respirator was selected	<ol> <li>Inspecting the respirator</li> </ol>
3) Limitations of the selected respirator	<ol> <li>Use of air purifying respirator</li> </ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>
6) Maintenance of the respirator	

I understand the use, care and inspection of the respirator(s) I may use. I have had the, opportunity to war and fit-test the respirator(s) I use.

 $\prec$ a cron Lug

Employee Signature

7/15/2022

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910,1001 (1)(7)

1

The following inclvidual has been examined in accordance with the Occupational Safety and Health	Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001;
The following individual I	Administration (OSHA) A:

Name of Individual:	Macio Carson Je
Date of Examination:	
Name of Examining Physician:	
Name of Medical Facility:	
Address of Medical Facility:	
Phone Number of Facility:	
in accordance with the requirem physician will provide the emplor	In accordance with the requirements of Section (i) of the OGHA Asbestos standard, 29 CFR 1910.1001, the exami physician will provide the employer with a swritten opinion which shall contain the following: (the physician mus
box for each statement below)	

ulning Joh check a

- Based on the results of the medical examination, I have determined this individual: May or \_\_\_ May NOT use a respirator while performing asbestos work ri
- K Corrective lenses worn with the shall be worn so as not to adversely effect the fit of the face plete Use of Respirator is conditional upon passing a respirator fit tost

  Remove facial hair which interferes with respirator fit

  Do not wear contact lenses while using respirator Recommended limitations for respirator use II any:
- The results of my examination today;

  Have or L.M. Have NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.
- \* I HAVE informed the above-named included to the results of the medical examination and of any modical conditions that may result from asbestor exposure.
- $\sum_{i=1}^{N} The amployee 145 been advised of the increased risk of lung cancer attributable to the combined effect of smoking and subestor exposure.$
- As attending Physician, I have determined that a Chest Roantgenogram (X-Ray) \_\_\_ was NOT necessary \_\_\_\_ was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional teating performed during the examination.





This Certifies That

Leonard Dolland, Jr.

has successfully completed the

Contractor/Supervisor Refresher Course

This fulfills the requirements under TSCA Title II and is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1988, as amended.

Date of Training: 05/13/2022

Date of Expiration: 05/13/2023

Certificate Number: 2595CSR0522

instructor

Nova Environmental, Inc. 5300 Plymouth Road, Ann Arbor, Michigan 48105 (734) 930-0995

© G0ES 745

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### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

### Asbestos Contractor/Supervisor

Leonard C. Dolland, Jr. . .

Accreditation Number A 5 4 6 6 3

Expiration Date 05/30/2023

Accreditation card is not valid if aftered

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2801 Fax www.teameme.com

### **Testing Record** Qualitative Fit

		7/15/2022	2022	
Lenard Dolland	land	Date of Test	Test	
Employee Name	шe	7/15/2023 Expiration Date	023 n Date	
1) Have you had any respiratory problems in the last week?	roblems in the last week?	□ Yes	& \(\)	
2) Testing agent used: Irritant Smoke	Smoke	☑ Yes	<b>8</b>	
3) Employee sensitive?		∑ Yes	<b>№</b>	
4) Positive - Negative facepiece to face test passed?	face test passed?	☑ Yes	₽ □	
5) Qualitative Fit Test passed?	(	∀es     ✓	8	
Tester Signature:	David Silva	Date: 7/15/2022		
Approved Respirator(s):				
Size:	☐ Medium ☐ Large			
1) Brand: Howyan!	Model #: Ro 88000	Type: /2002		
2) Brand: No.14	Model #: 720	Type: 6,11 fac	4	

# Respiratory Protection Training Program:

Before algning, be sure you understand each of the following items:	
1) Explanation of the ramifications of misuse	7) Recognize & handling emergency situations
<ol><li>Why the particular respirator was selected</li></ol>	8) Inspecting the respirator
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>
6) Maintenance of the respirator	

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

	Signature
of he had a second	Employee Si
4	

7/15/2022 Date

v62016

Test valid for 1 year from date of test

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

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ng jud	Fion (C
The following individual has been examined in accordance with the Occupational Safety and Health	Administration (OSHA) Ashestos Construction Standard, 29 CFR 1910, 1001:
The fi	Arlmi

Name of Individual: Slove S	TW-BA-BA
	11010
	27
hysician:	R: 125   Pr 145%
Name of Medical Facility:	
	23455 mi me USM
-	1
2) CIS	313 438 bosh

In accordancs with the requirements of Section (f) of the OSHA Asbestos standard, 29 CFR 1910.1001, the examining physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below

- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face plece Bassé on the results of the medical examination, I have determined this Individual: May or \_\_\_ May NOT use a respirator while performing asbestos work Use of Respirator is conditional upon passing a respirator fit test Remove facial hair which interferes with respirator fit Do not wear contact lenses while using respirator Recommended Ilmitations for respirator use If any: cڏ
- The results of my gyamination today:

  Have or Have NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos. ന്
- I HAVE informed the above-named individual of the results of the medical examination and of any medical conditigns that may result from asbestos exposure.
- The amployee HAS been advised of the increased risk of lung cancer attributable to the combined effect of The amployee HAS been and smoking and asbestos exposure.
- As attending Physician, I have determined that a Chest Roantganogram (X-Ray) \_\_\_ was NOT necessary \_\_\_ was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending condusion any interpretation of any additional testing performed during the examination.

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Signature of Examining Physician

Date



### State of Michigan

Department of Labor and Economic Opportunity

Michigan Opportunity Safety & Mealth Administration - Aubestos Program

### Asbestos Contractor/Supervisor

### Christopher E. Gibson

Accreditation Number Expiration Date

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



DOB:

15ATE



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### **Testing Record** Qualitative Fit

Christopher Gibson	7/15/2022 Date of Test	
Employee Name	7/15/2023 Expiration Date	
1) Have you had any respiratory problems in the last week?	□ Yes ☑ No	
2) Testing agent used: irritant Smoke	☑ Yes ☐ No	
3) Employee sensitive?	oN □ Yes □ No	
4) Positive - Negative facepiece to face test passed?	□ Yes □ No	
5) Qualitative Fit Test passed?	☑ Yes ☐ No	
Tester Signature:  Tester Printed Name:  David Silva	Date: 7/15/2022	
÷		
Size: 🗆 Small 🗹 Medlum	⊡ Large	
1) Brand: Rosynal / Weith Model #: Ru 88cd	Type: 1/2 am	
2) Brand: Nr. h Model #: 6.	Type: Fall tan	

Respiratory Protection Training Program:

Before signing, be sure you understand each of the following items:	ramifications of misuse 7) Recognize & handling emergency situations	respirator was selected 8) Inspecting the respirator	selected respirator 9) Use of air purifying respirator	urator 10) Purpose of medical evaluation	ator 11) Proper fit-testing techniques
Before signing, be sure you unders	1) Explanation of the ramifications of misuse	2) Why the particular respirator was selected	3) Limitations of the selected respirator	4) Putting on the respirator	5) Wearing the respirator

- 1) Explanation of the ramifications of misuse 2) Why the particular respirator was selected 3) Limitations of the selected respirator 4. Putting on the respirator 5. Wearing the respirator 6. Wearing the respirator 6. Maintenance of the respirator 6. Maintenance of the respirator

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and ift-test the respirator(s) I use.

7/15/2022	Date
	Employee Signature

v62016

Test valid for 1 year from date of test

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

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Administration (OSHA) Asbe	Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:
Name of Individual:	Christopher Gheon
Date of Examination:	4 33 33
Name of Examining Physician:	D. Hasko, MD
Name of Medical Facility:	First Choice/ OccMed Correct
Address of Medical Facility:	2345S Michigan Auc
	Drocking my 4K124
Phone Number of Facility:	212.428, 1282

th accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 GFR 1910.1001, the examining physician will provide the employer with a written opinion which shall contain the following: (the physician much check a hox for each statement below)

- 1. Based on the results of the medical examination, I have determined this individual: May or May NOT use a respirator while performing asbestas work
- 2. Recommended limitations for respirator use If any:
- Use of Respirator is conditional upon passing a respirator fit test
  Remove fadal hair which interferes with respirator fit
- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face piece \_\_\_ Do not wear contact lenses while using respirator
- The results of my examination today:
- Have or X Have NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.
- 4. 例丛 I HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
- X—The employee HAS been advised of the Increased risk of ung cancer attributable to the combined effect of smoking and asbestos exposure.
- 6 As attending Physician, I have determined that a Chest Roentgenogram (X-Ray)  $\overline{X}$  was NOT necessary \_\_\_\_ necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending condusion and interpretation of any additional testine performed during the examination.

Signature of Examining Physician

Certificate Number: 247038 - 31583

### ETC Training Services Group

38900 W. Huron River Drive, Romulus, MI 48174-1159

(734) 955-6600

**PRESENTS** 

### Anthony Gillow

55N- ++- 11

33148 Pierce Road, Garden City, MI 48135

with certification for having successfully completed the 8 hour/1 day which meets the requirements for

### **Asbestos Contractor Supervisor Refresher Training Course**

Complying with the requirements of MI Public Act 440 of 1988 as amended, OSHA 29 CFR 1926.1101 & 40 CFR Part 763 (AHERA) as required under Title II of the Toxic Substance Control Act (TSCA)

Course date: May 20, 2022

Expiration Date: May 20, 2023

Bi C Tout

Trainer

ETC President

### State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

**Anthony V. Gillow** 

Accreditation Number A38685

Expiration Date .06/03/2023

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if aftered



### 124-42 Ċ

Environmental manuscance Engines, inc. 22867 Trowbridge St, Inkster, MI 48141 313.791.2860 Office - 313.701.2801 Fax www.leameme.com	Qualitative Fit Testing Record	
Anthony Gillow	7/15/2022 Date of Test	
Employee Name	7/15/2023 Expiration Date	
1) Have you had any respiratory problems in the last week?	N ⊆ Yes ⊡ No	
2) Testing agent used: Irritant Smoke	☑ Yes ☐ No	
3) Employee sensitive?	ov □ Yes □ No	
4) Positive - Negative facepiece to face test passed?	☑ Yes □ No	
5) Qualitative Fit Test passed?	☑ Yes ☐ No	_
Tester Signature: David Silva	Date: 7/15/2022	
Approved Respirator(s):		
Size: Small C Medium	□ Large	
1) Brand: 100-74 Model #: 72-00	Type: 6.11 6.00	
2) Brand: Model #:	Туре:	

# Respiratory Protection Training Program:

Before signing, be sure you understand each of the following items:	1.2
<ol> <li>Explanation of the ramifications of misuse</li> </ol>	7) Recognize & handling emergency situations
2) Why the particular respirator was selected	8) Inspecting the respirator
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
	10) Purpose of medical evaluation
5) Wearing the respirator	11) Proper fit-testing techniques

- 1) Lightertour or for a rainfacture selected 3) Limitations of the selected respirator was selected 4) Limitations of the selected respirator 4) Putting on the respirator 5) Wearing the respirator 5) Wearing the respirator 6) Maintenance of the respirator 6) Maintenance of the respirator

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

**Employee Signature** M

7/15/2022 Date

Test valid for 1 year from date of test

v62016

## OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

Health	
ifety and	
nal Sa	
The following individual has been examined in accordance with the Occupational Safety and Health	1001:
	191
돭	E
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ordar	dard
90	Sta
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examin	Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910,1001
ē	Sos
hasb	spes
를	Z
돌	Ś
18	tion
₩	Stra
ē ē	E
Ē	Ad

	17-20-7
Date of Examination:	N. 4. 1 4. 14.
Name of Maddeal Facility	25
Address of Medical Facility:	
Phone Number of Facility:	

nteiting uch chack s box for each statement below)

- Bayled on the results of the medical examination, I have determined this individual:
   May or \_\_\_ May nOT use a respirator while performing exbestos work
- Recofemended limitations for respirator uso if any:
   Use of Respirator is conditional upon passing a respirator fit test
   Remove factal hair which interfers with respirator fit
   Do not wear contact lenses will le uting respirator
- Corrective lansas worn with the shall be worn so as not to advarraly affect the fit of the face piece
- The results of myloxamination today:

  Have or \_\_\_\_\_ Have NOT detected a medical condition which would place the amployee at an increased risk of \_\_\_\_\_ have or \_\_\_\_\_ Have thought from exposure to asbestos.
- I HAVE Informed the above-named individual of the results of the medical examination and of any medical congidons that may result from asbestos exposure.
  - The employee MAS been advised of the Increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

The compiese injectical examination report on the above-named individual will be forwarded to the employer pending conclusion of given received on any additional testing performed during the examination.

Signature of Exemining Physician

2

12/30/21



### State of Michigan

Fichigue Occupational Safety & Heath Administration - Asbestos Program

### Asbestos Contractor/Supervisor

Chad R. Grossa

Accreditation Number Expiration Date

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



DOB:



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### **Testing Record** Qualitative Fit

		77.12/2022	770	
Chad (	Chad Grossa	Date of Test	Test	
Employe	Employee Name	7/15/2023	023	
		Expiration Date	n Date	
1) Have you had any respirat	1) Have you had any respiratory problems in the last week?	□ Yes	% N	
2) Testing agent used: Irr	Irritant Smoke	√ Yes	<u>2</u>	
3) Employee sensitive?		⊡ Yes	2 □	
4) Positive - Negative facepiece to face test passed?	ece to face test passed?	☑ Yes	<u>8</u>	
5) Qualitative Fit Test passed?	G-5-	☑ Yes	<b>%</b> □	
Tester Signature: Tester Printed Name:	David Silva	Date: 7/15/2022		
Approved Respirator(s):				
Size:	☐ Medium ☑ Large	ø		
1) Brand: North-	Model #: 72.00	Type: '/2 ca	1	
2) Brand:	Model #:	Type:	ï	

# Respiratory Protection Training Program:

Before signing, be sure you understand each of the following items:	
<ol> <li>Explanation of the ramifications of misuse</li> </ol>	7) Recognize & handling emergency situations
<ol><li>Why the particular respirator was selected</li></ol>	<ol> <li>Inspecting the respirator</li> </ol>
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Limitations of the selected respirator
   Putting on the respirator
   Wearing the respirator
   Wearing the respirator

- I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

PE.022 P P

7/15/2022

Employee Signature

Test valid for 1 year from date of test

## OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

Comple 10 31 21 Chod Date of Examination: Name of Individual:

d 31450 Fine 12 A. Hosson St Choice Name of Examining Physician: Address of Medical Facility:

Name of Medical Facility:

Gooden City my UNISS

734 333 8001 Phone Number of Facility:

In accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 CFR 1910.1001, the examining physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below)

- Rased on the results of the medical examination, I have determined this individual: May or \_\_\_\_ May NOT use a respirator while performing asbestos work
  - Recommended limitations for respirator use if any:
    Use of Respirator is conditional upon passing a respirator fit test Remove facial hair which interferes with respirator fit
- Do not wear contact lenses while using respirator \_\_\_\_\_\_Corrective lanses worn with the shall be worn so as not to adversely affect the fit of the face piece
- The results of my examination today:
   Have or X Have NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.
- I HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbastos exposure.
- The employee HAS been abvised of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.
- As attending Physician, I have determined that a Chest Roentgenogram (K-Ray) \_\_\_ was NOT necessary 🔾 was necessary and parformed.

the complete medical examination report on the above named individual will be forwarded to the employer pending conclusion and interpretation of any addition. He ling performed during the examination.

Signature of Exped

0

v62016

### Juneau Property Maintenance

870 Capitol Ave., Lincoln Park, Michigan 48146 (313) 383-1468

### Nathaniel Hill

XXX-XX-

Has successfully completed a Michigan and EPA approved course in accordance with Title II of the Toxic Substance Control Act, 40 CFR 763 (AHERA) as amended 1994, MI P.A. 440 0f 1988 as amended and 40 CFR Part 61 (NESHAP Revision).

### FOR: EIGHT (8) - HOUR REFRESHER ASBESTOS ABATEMENT TRAINING FOR CONTRACTORS AND SUPERVISORS

Course Dates: November 28, 2021

Certificate Number: CSR-2021 0266

Expiration Date: November 28, 2022

Fim Watts

Training Location: 870 Capitol Ave., Lincoln Park, MI

Jim Watts, Instructor

### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Nathaniel N. Hill

Accreditation Number

Expiration Date 03/11/2023

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not splid if altered



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### **Testing Record Qualitative Fit**

Nathaniel Hill	7/15/2022 Date of Test	
Етріоуве Nате	7/15/2023 Expiration Date	
1) Have you had any respiratory problems in the last week?	□ Yes ☑ No	
2) Testing agent used: Irritant Smoke	☐ Yes ☐ No	
3) Employee sensitive?	☑ Yes ☐ No	
4) Positive - Negative facepiece to face test passed?	☑ Yes ☐ No	
5) Qualitative Fit Test passed?	☑ Yes ☐ No	
Tester Signature: David Silva	Date: 7/15/2022	
Approved Respirator(s):		
Size:   Small   Medium   Large	əb	
1) Brand: How you'll / Meryt. Model #: RU 8800	Type: 1/2 Gace	
2) Brand: Model #:	Type:	
		_

# Respiratory Protection Training Program:

8) Inspecting the respirator
9) Use of air purifying respirator
10) Purpose of medical evaluation
11) Proper fit-testing techniques Explanation of the ramifications of misuse

7) Recognize & handling emergency situations

- Why the particular respirator was selected Limitations of the selected respirator
  - Putting on the respirator
- Wearing the respirator **-226400**
- Maintenance of the respirator

I understand the use, care and inspection of the respirator(s) I may use. I have hyopyre opportunity to war and fit-lest the respirator(s) I use.

# P. B.

Employee Signature

7/15/2022 Date

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following Individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

ame of individual;	Nathaniel Hill
ate of Examination:	8/19/2021
ame of Examining Physician:	L. Robinson, MD
ame of Medical Facility:	1st Choice Urgent Care
ddress of Medical Facility:	31450 Ford Rd
	Garden City, MI 48135
none Number of Facility:	734-333-8001
	to a second seco

in accordance with the requirements of Section (1) of the OSHA Asbestos standard, 29 CFR 1910,1001, the examining physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below]

- Based on the results of the medical examination, I have determined this Individual: ✓ May or \_\_ May NOT use a respirator while performing asbestos work
- Use of Respirator is conditional upon passing a respirator fit test Remove facial hair which Interferes with respirator fit Recommended limitations for respirator use if any:
  - Do not wear contact lenses while using respirator
- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face plece
- Have or ✓ Have NOT detacted a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos. The results of my examination today:
- 1 HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
- The employee HAS been advised of the increased risk of lung cencer attributable to the combined effect of smoking and asbestos exposure.
- As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) \_\_\_\_ was NOT necessary 🗸 necessary and performed

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.

Signature of Examining Physician

8/19/2021

Date



### State of Michigan

Michigan Occupational Safety & Health Administration - Arbertos Program

Asbestos Contractor/Supervisor

Jason R.B. Robinson-Howard

Accreditation Number

**Expiration Date** 

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



DOB:

1547.59



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### Qualitative Fit Testing Record

www.leameme.com	resung necord	
	7/15/2022	
Jason Robinson-Howard	Date of Test	ř
Employee Name	7/15/2023	
	Expiration Date	l a
1) Have you had any respiratory problems in the last week?	☐ Yes ☑ No	
2) Testing agent used: Irritant Smoke	☑ Yes □ No	
3) Employee sensitive?	☑ Yes □ No	
4) Positive - Negative facepiece to face test passed?	✓ Yes □ No	
5) Qualitative Fit Test passed?	□ Yes □ No	
Tester Signature: David Silva	Date: 7/15/2022	
Approved Respirator(s):		
Size: Small   Medium   Large		
1) Brand: Henry well Model #: 10 8800	Type: 1/2 62	
2) Brand: المال ا	Type: Full Gar	

	7) Recognize & handling emergency situations 8) Inspecting the respirator 9) Use of alr purifying respirator 10) Purpose of medical evaluation 11) Proper fit-testing techniques
Respiratory Protection Training Program: Before signing, be sure you understand each of the following items:	1) Explanation of the ramifications of misuse 2) Why the particular respirator was selected 3) Limitations of the selected respirator 4) Putting on the respirator 5) Wearing the respirator 6) Wearing the respirator

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

Employee Signature Date

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

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ty and Health	
occupational Safe	.1001:
dance with the C	ard, 29 CFR 1910
amined in accor	Struction Stand
ual has been ex	A) Ashestos Cor
The following individual has been examined in accordance with the Occupational Safety and Health	Administration (OSHA) Ashestos Construction Standard, 29 CFR 1910.1001
듣	A

Name of individual:	Leson Rosmon Heistel
Date of Examination:	10.19.21
Name of Examining Physician:	
Name of Medical Facility:	1st Choice / Ocemed Comed
Address of Medical Facility:	25455 michigan May
	Daw m. 1 C4127
Phone Number of Facility:	734 4407 S 243
in accordance with the requiren	in accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 CFR 1910.1001, the

Phone Number of Facility:

7.5.4. (LC7.5. C-5.5.)
In accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 CPR 1930.1001, the examilaing physician will provide the employer with a written opinion which shall contain the following: (the physician nuch check a box for each examenent below)

- Based on the results of the medical axamination, I have determined this individual:
   Wasy or .... May NOT use a respirator while performing asbastos work
- Recommended limitations for respirator use if any:
   List of Respirator is conditional upon passing a respirator fit test
   Remove facel halv which interferes with respirator fit.
   Remove facel halv which will using respirator fit.
   Do not were contact lenses while using respirator.
   Corrective lenses worm with the shall be worn so as not to adversely effect the fit of the face piece.
- The results of my examination today:
   Have or \_ \( \frac{1}{N} \) Here NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.
- If, I HAVE informed the above-named included us of the results of the medical examination and of any medical
  conditions that may result from asbestos exposure.
- 5. When employee HAS been advised of the increased risk of lung cancer attributable to the combined affect of shoking and asbestor exposure.

  Shoking and asbestor exposure.
- 6 As attending Physician, I have determined that a Chest Roantgenogram (X-R4v) \_\_\_ was NOT necessary \_\_\_ was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.





### **ENVIRONMENTAL, INC.**

### This Certifies That

Matthew Kelly

has successfully completed the

Contractor/Supervisor Refresher Course

This fulfills the requirements under TSCA Title II and is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1988, as amended.

Date of Training: 05/13/2022

Date of Expiration: 05/13/2023

Certificate Number: 6069CSR0522

Instructor

Nova Environmental, Inc. 5300 Plymouth Road, Ann Arbor, Michigan 48105 (734) 930-0995

@ GOES 746

LITHO IN U.S.A.

### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

### Asbestos Contractor/Supervisor

Matthew L. Kelly

Accreditation Number A34636

Expiration Date 07/28/2023

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered

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1	I	Ī	V

Environmental Maintenance Engineers, Inc. 25851 Trowbridge St, Inketer, MI 48141 313.791.2600 Office - 313.701.2601 Fax

### **Testing Record Qualitative Fit**

7/15/2022

Matthew Kelly		Date of Test	Fest	
Employee Name		7/15/2023 Expiration Date	Date	
1) Have you had any respiratory problems in the last week?	ams in the last week?	□ Yes	<u>8</u>	
2) Testing agent used: Irritant Smoke	ke	Yes 🖸	2	
3) Employee sensitive?		☑ Yes	% 	
4) Positive - Negative facepiece to face test passed?	e test passed?	⊠ Yes	% [	
5) Qualitative Fit Test passed?		☑ Yes	2	
Tester Signature:	David Silva	Date: 7/15/2022		
Approved Respirator(s):				
Size:   Small	☐ Medium ☐ Large	ø.		
1) Brand: Hengywell Alberts Mo	Model #: Ry 88 no	Туре: /2 А-	81	
2) Brand: Alerta Mo	Model #: 22er	Type: 6.1 8.		

### Respiratory Protection Training Program:

the following items:	7) Recognize & handling emergency situations	<ol> <li>Inspecting the respirator</li> </ol>	<ol> <li>Use of air purifying respirator</li> </ol>	<ol> <li>Purpose of medical evaluation</li> </ol>	11) Proper fit-testing techniques
3efore signing, be sure you understand each of the following items:	1) Explanation of the ramifications of misuse	2) Why the particular respirator was selected	<ol> <li>Limitations of the selected respirator</li> </ol>	4) Putting on the respirator	5) Wearing the respirator

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Ilmitations of the selected respirator
   Puting on the respirator
   Wearing the respirator
   Wearing the respirator

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-lest the respirator(s) I use.

Employee Signature

7/15/2022

Test valid for 1 year from date of test

v82018

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following incluidual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

Name of Individual:	Mats Kelly	Kelly
Date of Examination:	10/1/21	, ,,
Name of Examining Physician:		
Name of Medical Facility:		
Address of Medical Facility:		
Phone Number of Facility:		

physician will provide the employer with a written opinion which shall contain the following: (the physician rauch check a in accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 CPR 1910.1001, the examining box for each statement below)

- Based on the results of the medical examination, I have determined this individual
   May or \_\_\_\_ May NOT use a respirator while performing asbestos work
- 2. Recommended imitations for respirator use if any:
- X ISE of Respirator is conditional upon passing a respirator fit test

  X. Remove facial hair which interferes with respirator.

  X. Do not wear contact lenses while using respirator.

  X. Corrective lenses worm with the shall be worn so as not to adversely affect the fit of the face piece.
- The results of my examination today:
- Leave informed the above-named individual of the results of the medical examination and of any medical conditions that may result from esbestos exposure.
- The employee HAS been advised of the Increased risk of lung cancer attributable to the combined effect of The employee.
- As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) 🎉 was NOT necessary ...... was necessary and performed.

The complete medical examination report on the above named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.



Training was conducted in accordance with the requirement of;

Certificate No. CSI 403022

-Title II of the Toxic Substance Control Act,

-40 CFR Part 763 (AHERA) -as amended 1994, MI P.A. 440 of 1988

Training Location: 18407 Weaver St

As amended and 40 CFR Part 61 (NESHAP Revision)

Detroit, MI 48228



### ENGINEERING ABATEMENT SYSTEMS INC

(1)

42664 ELIZABETH PLACE, CLINTON TWP. MI. 48038 (313) 549-0067

Certifies that: DYLAN M. MEXICOTTE

DATED: April 30, 2022

Has met the attendance requirements and successfully completed an examination of the

### EIGHT (8) HOUR REFRESHER ASBESTOS ABATEMENT TRAINING FOR

CONTRACTORS AND SUPERVISORS

**Expiration Date:** 

4/30/23

Karry thom

PRIMARY INSTRUCTOR

Exam Passed On: 4/30/22

(greater than or equal to 70%)-

### State of Michigan Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

### Asbestos Contractor/Supervisor

**Dylan Mexicotte** 

**Accreditation Number** A57208

**Expiration Date** 

Accreditation card is not valid if altered.

158788

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.teameme.com

### **Testing Record Qualitative Fit**

Dylan Mexicotte Employee Name	7/15/2022 Date of Test 7/15/2023
	Expiration Date
1) Have you had any respiratory problems in the last week?	□ Yes ⊡ No
2) Testing agent used: Irritant Smoke	☑ Yes ☐ No
3) Employee sensitive?	☑ Yes ☐ No
4) Positive - Negative facepiece to face test passed?	☑ Yes ☐ No
5) Qualitative Fit Test passed?	☑ Yes ☐ No
Tester Signature: David Silva	Date: 7/15/2022
Approved Respirator(s):	
Size: Small	□ Large
1) Brand: 100-1- Model #: 720-61	Type: Full face
2) Brand: Model #:	Туре;
Respiratory Protection Training Program:	
Before signing, be sure you understand each of the following Items:	
Skplanation of the ramifications of misuse     Why the particular respirator was selected     Sumitations of the selected respirator     Puting on the respirator     Sh Vearing the respirator     Maintenance of the respirator	7) Recognize & handling emergency situations 8) Inspecting the respirator 8) Use of air purifying respirator 10) Purpose of medical evaluation 11) Proper fit-testing techniques

Test valid for 1 year from date of test

v62016

7/15/2022

Employee Signature

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

### OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following individ Administration (OSH Name of Individual:	The following individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:  Name of individual:
Date of Examination:	カルナル
As a manage of the second seco	Ri Russ R. Hosen

176 00 86/2 (16 12184 MGO First church 23452 mi Name of Examining Physician: Address of Medical Facility: Phone Number of Facility: Name of Medical Facility:

physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below) In accordance with the requirements of Section (f) of the OSHA Asbestos standard, 29 CFR 1910.1001, the examining

- Bayed on the results of the medical examination, I have determined this individual:
   May or \_\_\_ May NOT use a respirator while performing asbestos work
- Use of Respirator is candillonal upon passing a respirator fit test
  Remove facial hair which interferes with respirator fit Do not wear contact lenses while using respirator Regammended limitations for respirator use if any: ri
- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face plece
- Have or Have NOT detected a medical condition which would place the amployee at an increased risk of material health impairment from exposure to asbestos. The results of my phamination today. ρŝ
  - HAVE Informed the above-named individual of the results of the medical examination and of any medical I HAVE informed the above-named individual or conditions that may result from asbestos exposure.
- The employee HAS been advised of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.
- As attending Physician, I have determined that a Chest Roenigenogram (X-Ray) \_\_\_was NOT necessary \_\_\_\_ was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.

11/11/12 A Frois

Signature of Examining Physician

Date

Certificate Number: 238949 - 30278

### ETC Training Services Group

38900 W. Huron River Drive, Romulus, MI 48174-1159

(734) 955-6600

**PRESENTS** 

### Gregory Nagle

SSN- \*\*\* \*\*

with certification for having successfully completed the 8 hour/1 day which meets the requirements for

### **Asbestos Contractor Supervisor Refresher Training Course**

Complying with the requirements of MI Public Act 440 of 1988 as amended, OSHA 29 CFR 1926.1101 & 40 CFR Part 763 (AHERA) as required under Title II of the Toxic Substance Control Act (TSCA)

Course date: August 13, 2021

Expiration Date: August 13, 2022

Bin C. Jank

Trainer

Drucy West cott

ETC President

### State of Michigan

Department of Labor and Economic Opportunity

Minhigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

**Gregory O. Nagle** 

Accreditation Number

**Expiration Date** 

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Augustication and a reco



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313,791,2600 Office - 313,701,2601 Fax www.teameme.com

### **Testing Record Qualitative Fit**

Gregory Nagle	Date of Test	<sub>16</sub>
Employee Name	7/15/2023 Expiration Date	ale se
1) Have you had any respiratory problems in the last week?	□ Yes □	2
2) Testing agent used: Irritant Smoke	☐ Yes ☐	& 
3) Employee sensitive?	☐ Yes ☐	8 D
4) Positive - Negative faceplece to face test passed?	☐ Yes ☐	& ()
5) Qualitative Fit Test passed?	☐ Yes ☐	운 □
Tester Signature: David Silva	Date: 7/15/2022	
Approved Respirator(s):		
Size:		
1) Brand: Mongywell Model #: R. Bred	Type: 'A far	
2) Brand: No. n Model #: 7740	Type: Fall Ga	

# Respiratory Protection Training Program:

Before signing, be sure you understand each of the following Items:	
<ol> <li>Explanation of the ramifications of misuse</li> </ol>	7) Recognize & handling emergency situations
<ol><li>Why the particular respirator was selected</li></ol>	<ol> <li>Inspecting the respirator</li> </ol>
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Limitations of the selected respirator
   Putting on the respirator
   Wearing the respirator
   Wearing the respirator
- I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

Employee Signature 

7/15/2022

Test valid for 1 year from date of test

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following Individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

Name of Individual;	Gregory Nagle
Date of Examination:	8/25/2021
Name of Examining Physician:	L. Robinson, MD
Name of Medical Facility:	1st Choice Urgent Care
Address of Medical Facility:	31450 Ford Rd
	Garden City, MI 48135
Phone Number of Facility:	734-333-8001

In accordance with the requirements of Section (i) of the QSHA Asbestos standard, 29 CFR 1910.1001, the examining physician will provide the employer with a written opinion which shall contain the following; (the physician much check a box for each statement below)

- Based on the results of the medical examination, I have determined this individual: ✓ May or \_\_\_ May NOT use a respirator while performing asbestos work
- Recommended limitations for respirator use if any:

  V. Use of Respirator is conditional upon passing a respirator fit test

  Remove facial hair which interferes with respirator fit
  - Do not wear contact lenses while using respirator
- Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face piece
- The results of my examination today:
- Have or 🏒 Have NOT detected a medical condition which would place the employee at an increased risk of Have or \_\_\_\_ have not identified a member of material health Impairment from exposure to asbestos.
- I HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
- The employee HAS been advised of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.
- 6 As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) \_\_\_was NOT necessary necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the examination.

Signature of Examining Physician

Date

8/25/2021

v62016

### Juneau Property Maintenance

870 Capitol Ave., Lincoln Park, Michigan 48146 (313) 383-1468

### Shane Niblock

xxx-xv-

Has successfully completed a Michigan and EPA approved course in accordance with Title II of the Toxic Substance Control Act, 40 CFR 763 (AHERA) as amended 1994, MI P.A. 440 0f 1988 as amended and 40 CFR Part 61 (NESHAP Revision).

### FOR:

EIGHT (8) - HOUR REFRESHER ASBESTOS ABATEMENT TRAINING FOR CONTRACTORS AND SUPERVISORS

Course Dates: October 24, 2021

Expiration Date: October 24, 2022

Training Location: 870 Capitol Ave., Lincoln Park, MI

Certificate Number: CSR-2021 0240

Fim Watts

Jim Watts, Instructor

### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Shane W. Niblock

Accreditation Number A43597

**Expiration Date** 

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not abd if altered



Environmental Maintenance Engineers, Inc. 25651 Trowbridge St., Inkster, MI 48141 31.791.2600 Office - 513.701.2601 Fax www.leameme.com	Qualitative Fit Testing Record
	7/15/2022
Shane Niblock	Date of Test
Employee Name	7/15/2023
	Expiration Date
1) Have you had any respiratory problems in the last week?	veek? ☐ Yes ☑ No
2) Testing agent used: Irritant Smoke	☑ Yes □ No
3) Employee sensitive?	☑ Yes □ No
4) Positive - Negative facepiece to face test passed?	☑ Yes ☐ No
5) Qualitative Fit Test passed?	☑ Yes □ No
Tester Signature: David Silva	Date: 7/15/2022
Approved Respirator(s):	
Size:   Small   Medium	Z Large
1) Brand: Ne-/L Model #: 2700	7 Type: 1/2 Km
2) Brand: №-↓~ Model #: 7700	Type: F. Il fam.

# Respiratory Protection Training Program:

Before signing, be sure you understand each of the following items:	ń
1) Explanation of the ramifications of misuse	7) Recognize & handling emerger
2) Why the particular respirator was selected	<ol><li>Inspecting the respirator</li></ol>
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	11) Proper fit-testing techniques
Maintenance of the respirator	

g emergency situations

I understand the use, care and inspection of the respirator(s) I may use. I have bed the opportunity to war and fit-test the respirator(s) I use.

Employee Signature

7/15/2022 Date

Test valid for 1 year from date of test

v62016

### OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

ı

individual has been examined in accordance with the Occupational Safety and Health	Administration (OSHA) Acheston Construction Standard, 29 CFR 1910;1001;
The following individua	Administration (OSHA)

	Silaile Mibioch
Date of Examination:	6/28/2022
Name of Examining Physician:	A. Hassan, MD
Name of Medical Facility:	1st Chaice/OccMed Connect
Address of Medical Facility:	23455 Michigan Ave
	Dearborn, MI 48124
Phone Number of Facility:	313-438-6094

in accordance with the requirements of Section (i) of the OSHA Asbestos standard, 29 CFR 1910.1001, the examiting physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below)

- Based on the results of the medical examination, I have determined this individual: May or \_\_\_ May NOT use a respirator while performing asbestos work
- Corrective lenses worn with the shall be worn so as not to adversely effect the fit of the face piece Recommended limitations for respirator use if any:

  Use of Respirator is conditional upon passing a respirator fit test

  Remove facial hair which interferes with respirator fit. Do not wear contact lenses while using respirator
- The results of my examination today:

  Have or X\_ Itave NOT detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos
- I HAVE informed the above-named inclividual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.

The employee HAS been advised of the increased risk of lung cancer attributable to the combined effect of

- As attending Physician, I have determined that a Chest Roentgenogram (K-Ray) \_\_\_ was NOT necessary 🖊 was smoking and asbestos exposure.
  - necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending condusion and interpretation of any additional testing performed during the examination.

Signature of Examining Physician

7-2-2022 Date



#### **ENVIRONMENTAL, INC.**

#### This Certifies That

Andrew Ptak

has successfully completed the

#### Contractor/Supervisor Refresher Course

This fulfills the requirements under TSCA Title II and is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1988, as amended.

Date of Training: 05/13/2022

Date of Expiration: 05/13/2023

Certificate Number: 9213CSR0522

Instructor

Nova Environmental, Inc. 5300 Plymouth Road, Ann Arbor, Michigan 48105 (734) 930-0995

**©** GOES 748

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## State of Michigan Department of Labor and Economic Opportunity

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

### Asbestos Contractor/Supervisor

Andrew A. Ptak

Accreditation Number A25587

Expiration Date 06/16/2023

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if aftered

158961



Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791,2600 Office - 313.701,2601 Fax www.feameme.com

## **Testing Record Qualitative Fit**

		7/15/2022	2	
Andrew Ptak	ak	Date of Test	est	
Employee Name	ne	7/15/2023	23	
		Expiration Date	Sate	
1) Have you had any respiratory problems in the last week?	oblems in the last week?	□ Yes □	<b>8</b>	
2) Testing agent used: Irritant Smoke	moke	□ Yes □	% D	
3) Employee sensitive?		☑ Yes	% □	
4) Positive - Negative facepiece to face test passed?	face test passed?	☑ Yes □	% □	
5) Qualitative Fit Test passed?		☐ Yes	% D	
Tester Signature:	David Silva	Date: 7/15/2022		
Approved Respirator(s):				
Size:	☑ Medium ☑ Large			
1) Brand: Howy well Mosts.	Model #: Kunganz	Type: 12 6cc		
2) Brand: Metth.	Model #: 7200	Type: 6,11 Gars		

# Respiratory Protection Training Program:

ollowing items:	7) Recognize & handling emergency situations	<ol><li>Inspecting the respirator</li></ol>	<ol><li>Use of air purifying respirator</li></ol>	<ol> <li>Purpose of medical evaluation</li> </ol>	<ol> <li>Proper fit-testing techniques</li> </ol>
Before signing, be sure you understand each of the following items:	1) Explanation of the ramifications of misuse	2) Why the particular respirator was selected	3) Limitations of the selected respirator	4) Putting on the respirator	5) Wearing the respirator

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Ilmittations of the selected respirator
   Wearing on the respirator
   Wearing the respirator
   Wearing the respirator
- I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fil-test the respirator(s) I use.

Sloyee Signature

7/15/2022

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The fo	following individual has been examined in accordance with the Occupational Salety and Health	nistration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:
	The following	Administration

66 16 0 Name of Examining Physician: Date of Examination: Name of Individual:

1st Choice/ Dec Med Connect

234SS Michiga Dee December M. 48124 313.430.6094 Address of Medical Facility\* Phone Number of Facility: Name of Medical Facility

in accordance with the requirements of Section (I) of the OSHA Asbestos standard, 29 CFR 1910.1001, the exambing physician will provide the employer with a written opinion which shall contain the following: (the physician much check a

 Based on the results of the medical examination, I have determined this individual: May or May NOT use a respirator while performing asbestos work

box for each statement below)

- 2. Recommended limitations for respirator use if any:

  X use of Respirator is conditional upon passing a respirator fit test
  - Remove facial hair which interferes with respirator fit Do not wear contact lenses while using respirator
- ... Corrective lenses worn with the shall be worn so as not to adversely affect the fit of the face plece
- The results of my examination today:
- Have or 🔏 .. Have NOT detected a medkal condition which would place the employer at an increased risk of material health impairment from exposure to asbestos.
- 8. HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
- 😕 The employce HAS been advised of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure
- Mas As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) 👱 was NDT necessary necessary and performed.

The complete medical examination report on the above named individual will be forwarded to the employer pending conclusion and interpretation of any additional testing performed during the commission

Signature of Examining Physician

517172 Date

### Juneau Property Maintenance

870 Capitol Ave., Lincoln Park, Michigan 48146 (313) 383-1468

### Thomas Ptak

xxx-xx-

Has successfully completed a Michigan and EPA approved course in accordance with Title II of the Toxic Substance Control Act, 40 CFR 763 (AHERA) as amended 1994, MI P.A. 440 0f 1988 as amended and 40 CFR Part 61 (NESHAP Revision).

#### FOR:

EIGHT (8) - HOUR REFRESHER ASBESTOS ABATEMENT TRAINING FOR CONTRACTORS AND SUPERVISORS

Course Dates: October 17, 2021

Expiration Date: October 17, 2022

Training Location: 870 Capitol Ave., Lincoln Park, MI

Certificate Number: CSR-2021 0238

Fim Watts

Jim Watts, Instructor

#### State of Michigan

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Contractor/Supervisor

Thomas L. Ptak

Accreditation Number

**Expiration Date** 

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

155168



Environmental Maintenance Engineers, inc. 28651 Trowbridge St., inxister, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.iseneme.com

# **Testing Record** Qualitative Fit

)			
Thomas Ptak	*	7/15/2022 Date of Test	
Employee Name	9.	7/15/2023 Expiration Date	
1) Have you had any respiratory problems in the last week?	blems in the last week?	□ Yes ☑ No	
2) Testing agent used: Imitant Smoke	noke	☑ Yes □ No	
3) Employee sensitive?		☑ Yes ☐ No	
4) Positive - Negative facepiece to face test passed?	ace test passed?	☑ Yes ☐ No	
5) Qualitative Fit Test passed?		☑ Yes ☐ No	
Tester Signature:	David Silva	Date: 7/15/2022	
Approved Respirator(s):			
Size:   Small	☐ Medium ☐ Large		
1) Brand: Manywell 1	Model #: Ku Baco	Type: //z fore	
2) Brand:	Model #:	Type:	

# Respiratory Protection Training Program:

3efore signing, be sure you understand each of the following items:	
<ol> <li>Explanation of the ramifications of misuse</li> </ol>	7) Recognize & handling emergency situations
<ol> <li>Why the particular respirator was selected</li> </ol>	8) Inspecting the respirator
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	<ol> <li>Purpose of medical evaluation</li> </ol>
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>

- Explanation of the ramifications of misuse
   Why the particular respirator was selected
   Limitations of the selected respirator
   Putting on the respirator
   Wearing the respirator
   Weaning the respirator
- Lunderstand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

Can .	nployee Signature
y was	Em

7/15/2022

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

Thomas Plak Emily Leach PA Printlen City Stance ( Colland Name of Examining Physician: Address of Medical Facility: Name of Medical Facility: Date of Examination: Name of Individual:

Phone Number of Facility:

734 333-881 524

In accordance with the requirements of Section (I) of the CSHA Asbestos standard, 28 CFR 1910.1001, the examining physician will provide the amployer with a written opinion which shall contain lite following: (the physician much check a box for each statement below)

- Beyed on the results of the medical examination, I have determined this individual: A May or \_\_\_ May NOT use a respirator while performing asbestos work
- 2. Recommended limitations for respirator use if any:
- Use of Respirator is conditional upon passing a respirator fit test Remove facial hair which interferes with respirator fit.
- Do not wear contact lenses while using respirator

  Corrective lenses worn with the shell be worn so as not to adversely effect the fit of the face piece

material health impairment from exposure to axbestos.

- Have or Have NOT detacted a medical condition which would place the employee at an increased risk of The results of my examination today:
- ......! HAVE informed the above-named instituted of the results of the medical examination and of any medical conditions that may result from asbestoe exposure.
- The employee HAS been advised of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.
- As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) \_\_\_\_ was NOT necessary \_\_\_\_
- The complete medical examination report on the above-named individual will be forwarded to the employer pending necessary and performed.

conclusion and interpretation of any additional testing performed during the examination

9 MAN Signature of Examining Physi



#### **ENVIRONMENTAL, INC.**

#### This Certifies That

Erik Richardson

has successfully completed the

#### Contractor/Supervisor Refresher Course

This fulfills the requirements under TSCA Title II and is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1988, as amended.

Date of Training: 05/13/2022

Date of Expiration: 05/13/2023

Certificate Number: 9976CSR0522

Instructor

Nova Environmental, Inc. 5300 Plymouth Road, Ann Arbor, Michigan 48105 (734) 930-0995

GOES 748

LITHO IN U.S A

#### State of Michigan

Michigan Occupational Safety & Health Administration - Asbestos Program

#### Asbestos Contractor/Supervisor

**Erik GW Richardson** 

Accreditation Number A52387

Expiration Date 06/05/2023

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is valid aftered

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Environmental Maintenance Engineers, Inc. 25851 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax

# **Testing Record Qualitative Fit**

		7/15/2022	_
Erik Richardson	rdson	Date of Test	
Employee Name	lame	7/15/2023	_
		Expiration Date	<i>V</i>
1) Have you had any respiratory problems in the last week?	problems in the last week?	☐ Yes ☑ No	
2) Testing agent used: Irritant	Irritant Smoke	_	
3) Employee sensitive?		☑ Yes ☐ No	
4) Positive - Negative facepiece to face test passed?	to face test passed?	☑ Yes ☐ No	0
5) Qualitative Fit Test passed?		☑ Yes ☐ No	.0
Tester Signature:	1	Date: 7/15/2022	
Tester Printed Name:	David Silva		
Approved Respirator(s):			
Size:	☐ Medium ☑ Large	9	
1) Brand: Norh	Model #: 77%	Type: full fin	
2) Brand: Iberpet II	Model #: RJ 8600	Type: 1/2 6~	
			_

# Respiratory Protection Training Program:

	Recognize & handling emergency situations     Inspecting the respiration     9) Use of air purifying respirator     (1) Purpose of medical evaluation     11) Proper fit-testing techniques	
Before signing, be sure you understand each of the following items:	Explanation of the ramifications of misuse     Why the particular respirator was selected     Unitiations of the selected respirator     Putling on the respirator     Weaming the respirator	Maintenance of the respirator

funderstand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

Employee Signature

7/15/2022 Date

Test valid for 1 year from date of test

v62016

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

Salety and mean	
with the Occupational	estos Construction Standard, 29 CFR 1910.1001:
in accordance v	n Standard, 29
at has been examined	Asbestos Constructio
The following individual has been examined in accordance with the Occupational Salety and near	Administration (OSHA) Asbestos Constri

Name of Individuel:	Erick Kichardson
Sare of Examination:	13.8.61
Name of Examining Physician:	A. Hassen CD
Name of Modical Facility:	List Choice - Day
Address of Medical Eachty:	23455 Michigan bue
	PSIND ON HISY
Phone Number of Facility	734 333 800

in accordance with the requierments of Section (I) of the OSHA Asbestor standard, 29 CFR 1910,1001, the examining physician will provide the emptoyer with a written opinion which shall contain the following: (the physician much check a box for each statement below)

- 3. Bayed on the reselts of the medical examination, I have determined this individual: V May or May MOT use a respirator while performing astrostos work
- Recommended limitations for respirator use if any:

  Use of Respirator is conditional upon passing a respirator fit test
  Remove factal hair which interferes with respirator fit.

  Do not west contact lensers white using respirator
- Corrective knoses worn with the shall be worn to as not to adversely affect the fit of the face piece
- Have or \_\_\_\_\_ Have RiOT detected a medical condition which would place the employee at an increased risk of material health impalment from exposure to achestos The results of my examination today:
  - 1 HAVE informed the above-named individual of the results of the medical examination and of any medical conditions that may result from asbestos exposure
- The employee IIAS been advand of the increased risk of lung cancer attributable to the combined effect of
- As attending Myskian, Chare determined that a Chest Roentgenogram (X-Ray) ... was NOT necessary ...... was necessary and performed

the complete medical examination report on the above-named individual will be forwarded to the employer pend og conclusion and interpretation of any additional testing performed during the examination

15x.V E Signature of Examining Physician

Date

### Juneau Property Maintenance

870 Capitol Ave., Lincoln Park, Michigan 48146 (313) 383-1468

### Chris Treglown

xxx-xx

Has successfully completed a Michigan and EPA approved course in accordance with Title II of the Toxic Substance Control Act, 40 CFR 763 (AHERA) as amended 1994, MI P.A. 440 0f 1988 as amended and 40 CFR Part 61 (NESHAP Revision).

#### FOR:

EIGHT (8) - HOUR REFRESHER ASBESTOS ABATEMENT TRAINING FOR WORKERS

Course Dates: October 30, 2021

Certificate Number: WR-2021 00028

Expiration Date: October 30, 2022

**Jim Watts** 

Jim Watts, Instructor

Training Location: 870 Capitol Ave; Lincoln Park, MI

#### State of Michigan

Department of Labor and Economic Opportunity

Michigan Occupational Safety & Health Administration - Asbestos Program

#### Asbestos Abatement Worker

Christopher D. Treglown

Accreditation Number A36314

Expiration Date 01/29/2023

DOR

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered

155485



Environmental Maintenance Engineers, Inc. 25651 Trowbridge St., Inkster, MI 48141

# Qualitative Fit

313.791.2800 Office - 313.701.2801 Fax	Testing Record	
Christopher Treglown Employee Name	7/15/2022 Date of Test 7/15/2023 Expiration Date	
1) Have you had any respiratory problems in the last week?	□ Yes □ No	
2) Testing agent used: Irritant Smoke	☑ Yes □ No	
3) Employee sensitive?	⊙ Yes □ No	
4) Positive - Negative facepiece to face test passed?	☑ Yes ☐ No	
5) Qualitative Fit Test passed?	☑ Yes ☐ No	
Tester Signature:  Tester Printed Name:  David Silva	Date: 7/15/2022	
Approved Respirator(s):		
Size:   Small   Medium   R	Q Large	
1) Brand: North Model #: 776.0	Type: //2 6-	
2) Brand: Me./L. Model#: 77eu	Type: Full force	

Respiratory Protection Training Program:	
Before signing, be sure you understand each of the following items:	
1) Explanation of the ramifications of misuse	7) Recognize & handling emergency situations
2) Why the particular respirator was selected	8) Inspecting the respirator
3) Limitations of the selected respirator	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	10) Purpose of medical evaluation
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>
6) Maintenance of the respirator	

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

	7/15/2022	Date
0 1	(x) 22	Employee Signature

Test valid for 1 year from date of test

v62018

# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

The following individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 CFR 1910.1001:

Name of individual: Date of Examination: Name of Examining Physician: Name of Medical Facility: Address of Medical Facility:
--

in accordance with the reculterment of Saction (i) of the OSHA Asbestos standard, 29 CFR 1910.1001, the exemining physician will provide the employer with a written opinions which shall contain the following: (the physician much check a box for each statement below)

- Based on the results of the medical examination, I have determined this individual:
   May or \_\_\_\_\_May NGT use a respirator while performing asbastos work
- 2. Recommended limitations for respirator use if any:

  Lype of Respirator is conditional upon passing a respirator fit test

  Chamore facial hair which interferes with respirator fit.

  Chamore contact lenses white using respirator

  Chamore was contact lenses white using respirator.
- The results of my examination today:

  Hove or M. Have NOT detected a medical condition which would place the emplayee at an increased risk of
  material treath inquirement from exposure to exbession.
  - IN. HAVE informed the above-named including of the results of the metrical examination and of any medical conditions that may result from asthesion exposure.
- The employee IMS been advised of the increased flux of lung concer attributable to the combined effect of endering and sixestot exposure.
- As attending Physician, I have determined that a Chest Roentgenogram (X-Ray) \_\_\_\_ was NOT netessary 13\_\_ was necessary and parformed.

The tomplete medical examination report on the above-named individual will be forwarded to the employer pending conclusion and interpretation of any odditional textury, performed owing the examination.

Signature of Exemining Physician



#### **CHC Training Environmental Compliance Certification Experts**

www.chctraining.com 303.412.6360 855.60.CERTIFY

1775 W. 55th Avenue Denver, Colorado 80221 United States of America

#### CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

#### KEVIN J. UTLEY

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training provided according to AHERA Section 206 Title II of the Toxic Substance Control Act (TSCA). This course is in compliance with 40 CFR 763 and Michigan Public Act 440 of 1998, as amended, and is entitled:

#### Worker - English

COURSE COMPLETION: **EXAMINATION DATE: EXPIRATION DATE:** 

**COURSE HOURS:** 

CCREDITE ALUMN

MAY 16, 2023 8.0

MAY 16, 2022

MAY 16, 2022

Aaron Hix Instructor

CHC Training Certificate No. R22-0515-AW-O-MI





Danaya N. Wilson CEO & Training Program Manager

> Credential License ID: 51310223

#### State of Michigan

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

#### **Asbestos Abatement Worker**

**Kevin J. Utley** 



**Accreditation Number** A43010

DOB:

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered

158982

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Environmental Maintenance Engineers, Inc. 25861 Trowbridge St., Inkster, MI 48141 313.791.2600 Office - 313.701.2601 Fax www.feameme.com

# **Testing Record** Qualitative Fit

			7/15/2022	022	
	Ke	Kevin Utley	Date of Test	Test	
	Emi	Employee Name	7/15/2023 Expiration Date	.023 n Date	
1) Have you	had any res	1) Have you had any respiratory problems in the last week?	□ Yes	<b>%</b>	
2) Testing agent used:	gent used:	Irritant Smoke	☑ Yes	<b>2</b> □	_
3) Employee sensitive?	e sensitive?		✓ Yes	%	
4) Positive -	Negative fac	4) Positive - Negative facepiece to face test passed?	√ Yes	% □	
5) Qualitativ	5) Qualitative Fit Test passed?	¿pess		<b>8</b>	
Tester Tester Prin	Tester Signature:	David Silva	Date: 7/15/2022		
Approved R	Approved Respirator(s):				
Size:	□ Small	Ø Medium □ Large			
1) Brand:	Nort	Model #: 775.0	Type: 1/2 fac≺	ñ	
2) Brand:	Brand: No.1-	Model #: -7700	Type: 63/1 62	ĩ	

E	1) Brand: North	Nort	Model #: 7750	7700		Type: 1/2	74
5	2) Brand: Novi-	Moit	Model #: -72001	7700		Type: full	١,٥
S.	spiratory	Respiratory Protection Training Program:	Program:				
Beft	ore signing, b	Before signing, be sure you understand each of the following items:	ch of the follo	wing items:			
F	Explanation	1) Explanation of the ramifications of misuse	ISe	7	7) Recognize & handling emerg	andfing et	merg

Before signing, be sure you understand each of the following items:	
1) Explanation of the ramifications of misuse	7) Recognize & handling emergency
<ol><li>Why the particular respirator was selected</li></ol>	8) Inspecting the respirator
<ol> <li>Limitations of the selected respirator</li> </ol>	<ol><li>Use of air purifying respirator</li></ol>
4) Putting on the respirator	10) Purpose of medical evaluation
5) Wearing the respirator	<ol> <li>Proper fit-testing techniques</li> </ol>
6) Maintenance of the respirator	

situations

I understand the use, care and inspection of the respirator(s) I may use. I have had the opportunity to war and fit-test the respirator(s) I use.

2	dinature
8-14	Employee S

7/15/2022 Date

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date
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year
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# OSHA Physician Written Opinion for Asbestos Medical Surveillance in accordance with CFR Part 1910.1001 (1)(7)

-

The following individual has been examined in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard, 29 GFR 1910.1001:

Name of Individual:	KEVIN UTLEY
Date of Examination:	7/28/2022
Name of Examining Physician:	ALI HASSAN, MD/M NEHME
Name of Medical Facility:	1ST CHOICE URGENT CARE
Address of Medical Fadity:	23455 MICHIGAN AVE, DEARBORN, MI 48124
Phone Number of Packty:	734-333-8001

In accordance with the requirements of Section (i) of the OSHA Asbestos standard, 20 CPL 15SB-1801, the centribriug physician will provide the employer with a written opinion which shall contain the following: (the physician much check a box for each statement below)

- Based on the results of the medical examination, I have determined this individual; May or \_\_\_ May MOT use a respirator while performing asbestos work
- X. Use of Respirator is conditional upon passing a respirator fit test
   A Remove facial halv which interferes with respirator fit.
   B Do not week contect lenses withit using respirator
   Z. Corrective lenses worm with the shall be worn to as not to adversely affect the fit of the face place 2. Recommended limitations for respirator use it any:
- 3. The results of my exemination todey:

  Have or X\_\_ lieve NOT detacted a medical condition which would place the employee at an increased risk of material health impairment from exposure to abbetton.
  - 1 HAVE informed the above-named knth/dust of the results of the medical examination and of any medical conditions that may result from sideston exposure.
- $\sum_{i=1}^{n}$  The amployee HAS been advised of the increased risk of fung cancer attributable to the combined effect of smoking and esbestion exposure.
- 6 As attending Physician, I have determined that a Ches: Roenigenogram (X-Ray) .... was NOT necessary 🎉 was necessary and performed.

The complete medical examination report on the above-named individual will be forwarded to the employer pending concusion and interpretation of any additional testing performed during the examination.



#### **APPENDIX C4**

Waste Manifest(s)



## Michigan Department of Natural Resources er is located Air Quality Division

Check	here	if c	lumpster	is	locate
оп а іо	bsite	inc	ot at the	offi	ce)

Internal Job #: 22-025

Landfill Approval #: 3069 22 0860

1)	Worksite name & add	ress:	Owner's Name:		Cor	itact Name
•	Community High School	ol	Ann Arbor Public Schools		Roo	sevelt Austin III
	401 N. Division Street		2555 South State St		Cor	itact Telephone #
	Ann Arbor, MI 48104		Ann Arbor, MI 48104		(734	1) 576-0765
2)	Operator's Name:		Operator's Address:			erator's Telephone #:
	Environmental Mainten	ance Engineers In	25851 Trowbridge		(313	3) 791-2600
	Environmentar mainten	ance Engineers, in	Inkster, Mi 48141			
3)	Waste Disposal Site (	WDS) Name:	Waste Disposal Mailing Addi	ress:		posal Site Telephone #:
	Carleton Farms Landfill		28800 Clark Rd.		(734	1) 654-0001
	Odilotoii i dillio Zarioiii		New Boston, MI 48164			
4)	Responsible Agency:					
	Air Quality Division, Mic	higan Department	of Natural Resources			
	P.O. Box 30028					
	Lansing, MI 48909					
5)	<b>Description of Materia</b>	ls:				
	Hazard Class: 9	Identification Nun	nber: NA2212 Packing Gre	oup: III		
	Additional Description	n:				
5)	Containers:					
		# of Containers: 1	Type of Containers (drums, bags	, etc) To	tal Qty. (c	u ft., cu yds., lbs., tons):
$\Rightarrow$	Friable Asbestos	10	PARCOS			
$\Rightarrow$	Non-Friable Asbestos					
$\Rightarrow$	Other:					
7)	Special Handling Insti	uctions and Addit	tional Information:			
	Handled in accordance	with all EPA, NESH	HAP, & OSHA Regulations			
3)	shipping name and are classi	fied, packed, marked, a	at the contents of this consignment are fully and labeled, and are in all respects in prope	r condition	ately describe for transport	ed above by proper by highway
			cable international and government regulati	Title:	Project N	Manager
	Printed/Typed Name: Signature:	henus		Date:		4-2012
	Transporter (Acknowl		int of Materials):	Duto.	000	10000
))		ental Maintenance				
		wbridge, Inkster, M		Phone	Number:	(313) 791-2600
	Printed/Typed Name:		Libran	Title:	Supervis	
۳,	Printeuri ypeu maine.	TACALOR	Thomas	-		7
7	Cianatura			Date:	6160104	177
	Signature: Acknow	uladrament of Rei		Date:	06/04	122
	Transporter 2 (Acknow			Date:	66,04	122
↑ ↑ •	Transporter 2 (Acknown Name: Republic S	Services - Wayne	ceipt of Materials):			
かから	Transporter 2 (Acknown Name: Republic S Address: 5400 Cog	Services - Wayne swell, Wayne, MI	ceipt of Materials):	Phone	Number:	(734) 216-8240
↑↑↑ °	Transporter 2 (Acknown Name: Republic S Address: 5400 Cog Printed/Typed Name:	Services - Wayne	ceipt of Materials):	Phone Title:		
	Transporter 2 (Acknown Name: Republic Standards: 5400 Cog Printed/Typed Name: Signature: Waste disposal site of the standard Name: Waste disposal site of the standard Name: N	Services - Wayne swell, Wayne, MI 4	ceipt of Materials):	Phone Title: Date:	Number: Driver	(734) 216-8240
	Transporter 2 (Acknown Name: Republic S Address: 5400 Cog Printed/Typed Name: Signature:	Services - Wayne swell, Wayne, MI 4	ceipt of Materials):	Phone Title: Date:	Number: Driver	(734) 216-8240

### Michigan Department of Natural Resources

Check here if dumpster is located on a jobsite (not at the office)

### **Air Quality Division**

Internal Job #: 22-025

Landfill Approval #: 3069 22 0860

Worl	ksite name & add	iress:	Owner's Name	) <b>:</b>		Co	ntact Name	
Com	munity High Scho	Ann Arbor Publ	Ann Arbor Public Schools			Roosevelt Austin III		
401 [	N. Division Street				Contact Telephone #			
Ann a	Arbor, MI 48104		Ann Arbor, MI 48104			(73	34) 576-0765	
Oper	rator's Name:		Operator's Add	dress:		Ор	erator's Telephone #:	
Envir	ronmontal Mainter	ongo Engineers Inc	25851 Trowbrid	lge		(31	3) 791-2600	
CHAIL	onnentar wanter	nance Engineers, Inc.	Inkster, MI 481	41				
Wast	te Disposal Site	(WDS) Name:	Waste Disposa	al Mailing Addı	ress:	Dis	sposal Site Telephone #	
Carle	eton Farms Landfi	II	28800 Clark Rd New Boston, M			(73	4) 654-0001	
Resp	onsible Agency:		jitan baatan, m					
Air Q P.O.		chigan Department of	Natural Resource	es				
Desc	ription of Materi	als:						
Haza	ard Class: 9	Identification Numb	er: NA2212	Packing Gro	oup: I			
Addit	tional Descriptio	n:		· ·				
Cont	ainers:							
		# of Containers: Ty	pe of Containers	(drums, bags	, etc) T	otal Qty. (	cu ft., cu yds., lbs., tons	
Friable	le Asbestos							
Non-I	Friable Asbestos	6/3	Bags /	Drums				
Other	r:		) 1					
Spec	ial Handling Inst	ructions and Additio	nal Information:					
Hand	lled in accordance	with all EPA, NESHA	P, & OSHA Regu	lations				
shippin	ng name and are class	On: I hereby declare that the ified, packed, marked, and hway according to applicab	labeled, and are in al	I respects in proper	r conditio	urately descrit on for transpor	eed above by proper t by highway	
	ed/Typed Name:		<b>G</b>		Title:	Project	Manager	
Signa	ature:	hener			Date:	10-	11-2027	
Trans	sporter (Acknowl	edgement of Receip	t of Materials):					
Name		ental Maintenance En						
Addre	ess: 25851 Tr	owbridge, Inkster, MI	48141		Phone	e Number:	(313) 791-2600	
Printe	ed/Typed Name:	Mott Kelly			Title:	Supervis		
Signa	ature:	-6 Kmgs			Date:	6-1	1.2022	
Trans	sporter 2 (Acknow	wledgement of Recei	ipt of Materials):					
Name	e: Republic	Services - Wayne						
Addre	ess: 5400 Cog	swell, Wayne, MI 481	84 0		Phone	Number:	(734) 216-8240	
Printe	ed/Typed Name:	Gal KI K	1 Pass		Title:	Driver		
Signa		2			Date:			
	e disposal site o	wher or operator: Ce	rtification of recei	pt of asbestos i		ls covered	by this manifest except	
as not	ted in item 10.							
as not	ed/Typed Name:				Title:	,	10-22	

#### Michigan Department of Natural Resources

**Air Quality Division** 

75	1.)
5	, , ,

Check here if dumpster is located on a jobsite (not at the office)

Internal Job #: 22-025

Landfill Approval #: 3069 22 0860

1)	Worksite name & add	ress:	Owner's Nam	e:		Coi	ntact Name	
	Community High School	Ann Arbor Pul	Ann Arbor Public Schools			Roosevelt Austin III		
	401 N. Division Street		2555 South St	2555 South State St			ntact Telephone #	
	Ann Arbor, MI 48104		Ann Arbor, Mi	48104		(73	4) 576-0765	
2)	Operator's Name: Operator's Addre			idress:		Оре	erator's Telephone #:	
,			25851 Trowbr				3) 791-2600	
	Environmental Maintena	ance Engineers, Ir	Inkster, MI 48					
3)	Waste Disposal Site (WDS) Name: Waste Disposal Mailing Add				ress:		posal Site Telephone #:	
	Carleton Farms Landfill		28800 Clark R New Boston, M			(73-	4) 654-0001	
l)	Responsible Agency:							
	Air Quality Division, Mic	higan Department	of Natural Resour	ces				
	P.O. Box 30028							
	Lansing, MI 48909							
<b>5</b> )	Description of Materia	ıls:						
	Hazard Class: 9	Identification Nu	mber: NA2212	Packing Gre	oup: Il			
	<b>Additional Description</b>	ո։						
)	Containers:							
	i	# of Containers:	Type of Container	s (drums, bags	, etc) T	otal Qty. (c	u ft., cu yds., lbs., tons):	
$\Rightarrow$	Friable Asbestos	163	7102ms 5	2000				
$\Rightarrow$	Non-Friable Asbestos		1					
<b>⇒</b>	Other:							
")	Special Handling Instr	ructions and Add	itional Information	1:				
	Handled in accordance	with all EPA, NES	HAP, & OSHA Reg	ulations				
3)	Operator's Certificationshipping name and are classificantition for transport by high	fied, packed, marked,	and labeled, and are in	all respects in prope	er conditio	urately describ in for transport	ed above by proper by highway	
	Printed/Typed Name:				Title:	Project N	Manager	
	Signature:				Date:	06/24	22	
9)	Transporter (Acknowl	edgement of Rec	eipt of Materials):		1			
		ental Maintenance						
		owbridge, Inkster,			Phone	Number:	(313) 791-2600	
$\Rightarrow$	Printed/Typed Name:				Title:	Supervis	or	
$\Rightarrow$	Signature:	20	1)		Date:	00/2	4/22	
0)	Transporter 2 (Acknow	wledgement of R	eceipt of Materials	):				
	Name: Republic	Services - Wayne			6			
					Number:	(734) 216-8240		
	Printed/Typed Name: CREPAC!				Title: Driver,			
	Signature:	1-11	/		Date:	617	27/22	
11)	Waste disposal site of as noted in item 10.	wner or operator:	Certification of rec	eipt of asbestos	materia	ls covered b	by this manifest except	
	Printed/Typed Name:	/ /			Title:	/	7 7 7 72	
	Signature:				Date:	(4	26/000	

## Michigan Department of Natural Resources Air Quality Division

Check here if dumpster is located on a jobsite (not at the office)

Internal Job #: 22-025

Landfill Approval #: 3069 22 0860

Worksite name & add		Owner's Name:			ıtact Name		
Community High Scho		Ann Arbor Public Sch	ools	Roo	Roosevelt Austin III		
401 N. Division Street		2555 South State St		Contact Telephone #			
Ann Arbor, Mi 48104				(734	4) 576-0765		
Operator's Name:		Operator's Address		Ope	erator's Telephone #:		
		25851 Trowbridge		(313	3) 791-2600		
Environmental Mainter	nance Engineers, I	Inkster, MI 48141					
Waste Disposal Site	(WDS) Name:	Waste Disposal Mai	ling Address		posal Site Telephone #:		
Carleton Farms Landfi		28800 Clark Rd. New Boston, MI 4810	RA	(734	1) 654-0001		
Responsible Agency		IVEW DOSION, IVII 401	04				
Air Quality Division, Mi		of Natural Resources					
P.O. Box 30028	ongen soparinen	. <u> </u>					
Lansing, MI 48909							
Description of Materi	als:						
Hazard Class: 9	Identification Nu	mber: NA2212 Pa	cking Group	: 111			
Additional Description	n:				1.8		
Containers:				d=			
		Type of Containers (dru			u ft., cu yds., lbs., tons		
Friable Asbestos	156	68 Drums	88 has				
Non-Friable Asbestos							
Other:							
Special Handling Inst							
Handled in accordance	with all EPA, NES	HAP, & OSHA Regulation	S	annumbals dancel	ad ahova hy proper		
chinning name and are class	sified, packed, marked,	nat the contents of this consignm and labeled, and are in all respe licable international and governm	icts in proper cor	accurately describ	by highway		
Printed/Typed Name:				tle: Project i	Manager		
Signature:	11	- (a)	Da	ite:	-1-22		
Transporter (Acknow	ledgement of Rec	eipt of Materials):					
	nental Maintenance				(0.40) 704 0000		
Address: 25851 Tr	rowbridge, Inkster,				(313) 791-2600		
Printed/Typed Name:	. Chad	(0 W) (0		tle: Supervis			
Signature:	d last			ite: 7-	1-22		
Transporter 2 (Ackno	wledgement of R	eceipt of Materials):					
	Services - Wayne		1		(734) 216-8240		
Address: 5400 Co	gswell, Wayne MI	48184		one Number:	(734) 210-0240		
Printed/Typed Name	MONEY	vy		tle: Driver	,		
Signature:	M		Di				
Waste disposal site as noted in item 10.	owner or operator	: Certification of receipt of			by this mannest except		
Printed/Typed Name	· K	K		tle:	7.70		
Signature:			D:	ate:	100		

## 3015

### **Michigan Department of Natural Resources**

Check here if dumpster is located

on a jobsite (not at the office)

**Air Quality Division** 

Internal Job #: 22-025

Landfill Approval #: 3069 22 0860

Community High School A01 N. Division Street Ann Arbor, MI 48104 Ann Arbor, MI 48104  Coperator's Name:  Operator's Name:  Operator's Address:  Operator's Telephone #:  Carleton Farms Landfill  Responsible Agency: Air Quality Division, Michigan Department of Natural Resources P.O. Box 30028 Lansing, MI 48909  Description of Materials:  Hazard Class: 9 Identification Number: NA2212 Packing Group: III Additional Description:  Containers:  ### of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):    Friable Asbestos	1)	Worksite name & address:	Owner's Name:	Contact Name
Ann Arbor, MI 48104  Ann Arbor		Community High School	Ann Arbor Public Schools	Roosevelt Austin III
Operator's Name: Operator's Name: Operator's Address: Operator's Telephone #: Environmental Maintenance Engineers, Inc. Address: 25851 Trowbridge, Inkster, MI 48184 Printed/Typed Name: Environmental Maintenance Engineers, Inc. Address: 5400 Cogswell, Wayne, MI 48184 Printed/Typed Name:  Printed/Typed Name: Environmental Maintenance Engineers, Inc. Address: 5400 Cogswell, Wayne, MI 48184 Printed/Typed Name:  Printed/Typed Name: Figure Total Certification of receipt of Baterials): Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Printed/Typed Name: Figure Total Engineers F		401 N. Division Street	2555 South State St	Contact Telephone #
Environmental Maintenance Engineers, Inc.    28851 Trowbridge   (813) 791-2600   Inkster, MI 48141		Ann Arbor, MI 48104	Ann Arbor, MI 48104	(734) 576-0765
Environmental Maintenance Engineers, Inc.    28851 Trowbridge   (813) 791-2600   Inkster, MI 48141				
Inkster, MI 48141   Inkster, MI 48164   Inks	2)	Operator's Name:	Operator's Address:	Operator's Telephone #:
Inkster, MI 48141   Disposal Site (WDS) Name: Waste Disposal Mailing Address: Disposal Site Telephone #:		Environmental Maintenance Engineers Inc	25851 Trowbridge	(313) 791-2600
Carleton Farms Landfill  28800 Clark Rd. New Boston, MI 48164  Responsible Agency: Air Quality Division, Michigan Department of Natural Resources P.O. Box 30028 Lansing, MI 48909  Description of Materials: Hazard Class: 9 Identification Number: NA2212 Packing Group: III Additional Description:  Containers:  # of Containers:  # of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons): Priable Asbestos Other:  Special Handling Instructions and Additional Information: Handled in accordance with all EPA, NESHAP, & OSHA Regulations Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and belefic, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.  Printed/Typed Name: Jeff Cheney Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc. Address: 25851 Trowbridge, Inkster, MI 48141 Printed/Typed Name: Address: Scale Trowbridge, Inkster, MI 48141 Printed/Typed Name: Address: Scale Trowbridge Inkster, MI 48184 Printed/Typed Name: Address: Scale Trowbridge Inkster MI 48184 Printed/Typed Name: Address: Scale Trowbridge Inkster MI 48184 Phone Number: (734) 216-8240 Printed/Typed Name: Address: Scale Trowbridge Inkster MI 48184 Phone Number: (734) 216-8240 Printed/Type		Livioninental Maintenance Engineers, inc.	Inkster, MI 48141	
New Boston, MI 48164	3)	Waste Disposal Site (WDS) Name:	Waste Disposal Mailing Addr	ess: Disposal Site Telephone #:
New Boston, MI 48164		Corloton Forms Landfill	28800 Clark Rd.	(734) 654-0001
Air Quality Division, Michigan Department of Natural Resources P.O. Box 30028 Lansing, MI 48909  Description of Materials: Hazard Class: 9 Identification Number: NA2212 Packing Group: III Additional Description:  Containers:  # of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):   Friable Asbestos		Carleton Farms Landini	New Boston, MI 48164	
Air Quality Division, Michigan Department of Natural Resources P.O. Box 30028 Lansing, MI 48909  Description of Materials: Hazard Class: 9 Identification Number: NA2212 Packing Group: III Additional Description:  Containers:  # of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):   Friable Asbestos	4)	Responsible Agency:		
P.O. Box 30028   Lansing, MI 48909			Natural Resources	
Description of Materials:  Hazard Class: 9 Identification Number: NA2212 Packing Group: III  Additional Description:  Containers:  # of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):    Friable Asbestos				
Hazard Class: 9 Identification Number: NA2212 Packing Group: III  Additional Description:  Containers:  # of Containers: Type of Containers (drums, bags, etc.) Total Qty. (cu ft., cu yds., lbs., tons):  Friable Asbestos  Non-Friable Asbestos  Other:  Special Handling Instructions and Additional Information:  Handled in accordance with all EPA, NESHAP, & OSHA Regulations  Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Cheney Signature:  Date:  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141  Printed/Typed Name:  Signature:  Date:  Title: Supervisor  Signature:  Date:  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name:  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name:  Title: Driver  Signature:  Date:  Waste disposal site owner of-operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.		Lansing, MI 48909		
Additional Description:  Containers:  # of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):  Friable Asbestos  Non-Friable Asbestos  Other:  Special Handling Instructions and Additional Information:  Handled in accordance with all EPA, NESHAP, & OSHA Regulations  Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.  Printed/Typed Name: Jeff Cheney  Title: Project Manager  Signature:  Date: 7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	5)	Description of Materials:		
# of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):    Friable Asbestos		Hazard Class: 9 Identification Number	r: NA2212 Packing Gro	up: ili
# of Containers: Type of Containers (drums, bags, etc) Total Qty. (cu ft., cu yds., lbs., tons):		Additional Description:		
Friable Asbestos  Non-Friable Asbestos  Other:  Special Handled in accordance with all EPA, NESHAP, & OSHA Regulations  Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Cheney  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141  Printed/Typed Name: Acknowledgement of Receipt of Materials):  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name: (734) 216-8240  Printed/Typed Name: Title: Driver  Signature: Date: 7-7-7-7  Transporter (2 Acknowledgement of Receipt of Materials):  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name: 745-7  Signature: Date: 7-7-7-7  Title: Driver	6)			
Non-Friable Asbestos Other:    Special Handling Instructions and Additional Information:   Handled in accordance with all EPA, NESHAP, & OSHA Regulations   Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway condition for transport by highway according to applicable international and government regulations.   Printed/Typed Name:   Title: Project Manager		# of Containers: Typ	e of Containers (drums, bags,	etc) Total Qty. (cu ft., cu yds., lbs., tons):
Other:    Special Handling Instructions and Additional Information:   Handled in accordance with all EPA, NESHAP, & OSHA Regulations	$\Rightarrow$	Friable Asbestos 171 9	2 bogs 79 Drun	2
Special Handling Instructions and Additional Information:  Handled in accordance with all EPA, NESHAP, & OSHA Regulations  Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Cheney Title: Project Manager  Signature: Date: 7-7-2  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Transporter 2 (Acknowledgement of Receipt of Materials):  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 1945 Printed/Typed Name: 1	$\Rightarrow$	Non-Friable Asbestos		
Handled in accordance with all EPA, NESHAP, & OSHA Regulations  Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Chæney Title: Project Manager Signature: Date: 7 - 7 - 2  Printed/Typed Name: Environmental Maintenance Engineers, Inc. Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Printed/Typed Name: Address: Date: 7 - 7 - 2  Signature: Date: 7 - 7 - 2  Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 7 - 7 - 2  Title: Driver  Signature: Date: 7 - 7 - 2  Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 7 - 7 - 2  Signature: Date: Date: Date: 7 - 7 - 2  Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 7 - 7 - 2  Signature: Date:	$\Rightarrow$	Other:		
Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Cheney Title: Project Manager Signature: Date: 7 - 7 - 7  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Printed/Typed Name: Printed/Typed Name: Date: 7 - 7 - 7  Signature: Date: 7 - 7 - 7  Transporter 2 (Acknowledgement of Receipt of Materials):  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 7 - 7 - 7  Title: Driver  Signature: Date: Date: 11  Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.	7)	Special Handling Instructions and Addition	nal Information:	
shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.  Printed/Typed Name: Jeff Cheney Signature: Date: 7-7-2  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc. Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Printed/Typed Name: Date: 7-7-2  Signature: Date: 7-7-2  Transporter 2 (Acknowledgement of Receipt of Materials):  Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Printed/Typed Name: Phone Number: (734) 216-8240  Printed/Typed Name: Date:		Handled in accordance with all EPA, NESHAF	P, & OSHA Regulations	
Printed/Typed Name: Jeff Cheney Signature: Date: 7-7-2  Transporter (Acknowledgement of Receipt of Materials): Name: Environmental Maintenance Engineers, Inc. Address: 25851 Trowbridge, Inkster, MI 48141 Printed/Typed Name: 6000 A Title: Supervisor Signature: Date: 7-7-2  Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184 Printed/Typed Name: 652 Signature: Driver Signature: Date: 734) 216-8240  Waste disposal site owner of operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.	3)	shipping name and are classified, packed, marked, and I	labeled, and are in all respects in proper	condition for transport by highway
Signature: Date: 7-7-2  Transporter (Acknowledgement of Receipt of Materials):  Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Printed/Typed Name: Date: 7-7-2  Signature: Date: 7-7-2  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240  Printed/Typed Name: 7452 Title: Driver  Signature: Date: 11) Waste disposal site owner of operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.			, _	
Name: Environmental Maintenance Engineers, Inc.			( )	Date: 7-7-22
Name: Environmental Maintenance Engineers, Inc.  Address: 25851 Trowbridge, Inkster, MI 48141 Phone Number: (313) 791-2600  Printed/Typed Name: O O O O O O O O O O O O O O O O O O O	9)		of Materials):	
Address: 25851 Trowbridge, Inkster, MI 48141  Printed/Typed Name:	1			
Printed/Typed Name:  Signature:  Date:  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name:  Signature:  Name: Republic Services - Wayne  Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name:  Signature:  Date:  11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.	18			Phone Number: (313) 791-2600
Signature:    Date:	$\Rightarrow$	7		Title: Supervisor
Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name: 19 19 19 19 19 19 19 19 19 19 19 19 19	Ⅎ			Date: 7-7-22
Name: Republic Services - Wayne Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name: Title: Driver  Signature: Date:  11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.	10)		pt of Materials):	
Address: 5400 Cogswell, Wayne, MI 48184  Printed/Typed Name: 795 Title: Driver  Signature: Date:  11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.	,			
Printed/Typed Name:  Signature:  Date:  11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.			84	Phone Number: (734) 216-8240
Signature:  Date:  11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.		2 7		Title: Driver
11) Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 10.		Signature:		
	11)	Waste disposal site owner of operator: Ce	rtification of receipt of asbestos	materials covered by this manifest except
Printed/Typed Name: Title:				Title:
Signature: Date: 7-12-20				Date: 7 - 16-66

#### Michigan Department of Natural Resources

	Check here if dumpster is located	Air Quality Division	Internal Job #: 22-025			
	on a jobsite (not at the office)	•	Landfill Approval #: 3069 22 0860			
		S WASTE SHIPMENT D	OCUMENT			
1)	Worksite name & address:	Owner's Name:	Contact Name			
',	Community High School	Ann Arbor Public Schools	Roosevelt Austin III			
	401 N. Division Street	2555 South State St	Contact Telephone #			
	Ann Arbor, MI 48104	Ann Arbor, MI 48104	(734) 576-0765			
2)	Operator's Name:	Operator's Address:	Operator's Telephone #:			
	Engineer Indianance Engineers In	25851 Trowbridge	(313) 791-2600			
	Environmental Maintenance Engineers, Inc	Inkster, MI 48141				
3)	Waste Disposal Site (WDS) Name:	Waste Disposal Mailing Add	ress: Disposal Site Telephone #:			
,		28800 Clark Rd.	(734) 654-0001			
	Carleton Farms Landfill	New Boston, MI 48164				
4)	Responsible Agency:					
	Air Quality Division, Michigan Department	of Natural Resources				
	P.O. Box 30028					
	Lansing, MI 48909					
5)	Description of Materials:					
٠,	Hazard Class: 9 Identification Num	ber: NA2212 Packing Gre	oup: III			
	Additional Description:		·			
6)	Containers:					
٠,		ype of Containers (drums, bags	, etc) Total Qty. (cu ft., cu yds., lbs., tons):			
<b>ا</b>		28 Drums 121 bag				
ス	Non-Friable Asbestos					
ユ	Other:					
7)	Special Handling Instructions and Addit	ional Information:				
,	Handled in accordance with all EPA, NESH					
3)	Operator's Certification: I hereby declare that shipping name and are classified, packed, marked, a	t the contents of this consignment are fully not labeled, and are in all respects in prope	r condition for transport by nighway			
	condition for transport by highway according to applic	able international and government regulati	ons.			
	Printed/Typed Name: Jeff Cheney		Title: Project Manager  Date: 7-13-22			
	Signature:		Date: 1-15-00			
9)	Transporter (Acknowledgement of Received					
	Name: Environmental Maintenance Engineers, Inc.  Phone Number: (313) 791-2600					
	Address: 25651 frowbildge, firkster, wil 45141					
$\Rightarrow$	Printed/Typed Name: Chad (gross & Title: Supervisor					
$\Rightarrow$	Signature: Date: 7~13-20					
0)	Transporter 2 (Acknowledgement of Re-	ceipt of Materials):				
	Name: Republic Services - Wayne		170 () 040 0040			
	Address: 5400 Cogswell, Wayne, MI 48184 Phone Number: (734) 216-8240					
	Printed/Typed Name: / Refsc.1 Title: Driver					
	9/		Date: 7/15/22			
11)	Waste disposal site owner or operator as noted in item 10.	Certification of receipt of asbestos				
	Printed/Typed Name:		Title: 7-15-707(			
	Signature:		Date: / 18000			



### Michigan Department of Natural Resources

	Check here if dumpster is located	Air Quality Division	Internal Job #: 22-025
	on a jobsite (not at the office)		Landfill Approval #: 3069 22 0860
	ASBESTO	S WASTE SHIPMENT D	OCUMENT
1)	Worksite name & address:	Owner's Name:	Contact Name
	Community High School	Ann Arbor Public Schools	Roosevelt Austin III
	401 N. Division Street	2555 South State St	Contact Telephone #
	Ann Arbor, MI 48104	Ann Arbor, MI 48104	(734) 576-0765
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 11 17 10 10 10 10 10 10 10 10 10 10 10 10 10	(10.)
2)	Operator's Name:	Operator's Address:	Operator's Telephone #:
	Environmental Maintenance Engineers, In	25851 Trowbridge	(313) 791-2600
	CHANGING MARKENANCE CHANGES, III	Inkster, MI 48141	
1)	Waste Disposal Site (WDS) Name:	Waste Disposal Mailing Add	ress: Disposal Site Telephone #:
	Carleton Farms Landfill	28800 Clark Rd.	(734) 654-0001
	Canelon Farms Landin	New Boston, MI 48164	
1)	Responsible Agency:		
	Air Quality Division, Michigan Department	of Natural Resources	
	P.O. Box 30028		
	Lansing, MI 48909		
	Description of Materials:		
1	Hazard Class: 9 Identification Num	nber: NA2212 Packing Gr	oup: III
	Additional Description:		
	Containers:		
,		Type of Containers (drums, bags	, etc) Total Qty. (cu ft., cu yds., lbs., tons):
3	Friable Asbestos 300	50 berrelle 150 ber	
- ( )	Non-Friable Asbestos	20 Gairent 7 20 GEST	
-7 I	Other:		
F 4	Special Handling Instructions and Addi	tional Information:	
	Handled in accordance with all EPA, NESI		and government dependent above by proper
•	Operator's Certification: I hereby declare the shipping name and are classified, packed, marked, a condition for transport by highway according to appli	and labeled, and are in all respects in prope	r condition for transport by highway
	Printed/Typed Name: Jeff Cheney		Title: Project Manager
- 8	Signature:		Date:
	Transporter (Acknowledgement of Rec	eipt of Materials):	
	Name: Environmental Maintenance	Engineers, Inc.	
- 1	Address: 25851 Trowbridge, Inkster, it		Phone Number: (313) 791-2600
	Printed/Typed Name: Orcallen Alth	Title: Supervisor	
- 10 17	Signature: Madhi Cur		Date: 1-19-1)
	Transporter 2 (Acknowledgement of Re	celpt of Materials):	
- 1	Name: Republic Services - Wayne		
	Address: 5400 Cogswell, Wayne, MI	48184	Phone Number: (734) 216-8240
	Printed/Typed Name: (3 R & 56"		Title: Driver
- 1	Simpature:		Date:
1)	Waste disposal site owner or operator: as noted in item 10.	Certification of receipt of asbestos	materials covered by this manifest except
	Printed/Typed Name:		Title: - / 9- 72
			Date: /   ( 2
	Signature:		

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## Michigan Department of Natural Resources

Name It Austin III Telephone #
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1-2600
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34) 216-8240
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his manifest except
his manifest except

	ı	Michigan De	epartment of Natura	al Reso	ources			
	Check here if dumpster	r is located	Air Quality Division		Internal Job #: 22-025			
	on a jobsite (not at the			Landfill Approval #: 3069 22 0860				
	on a jobsite (not at the		WASTE SHIPMENT [	COCUM	FNT			
				3000	Contact Name			
1)	Worksite name & add		Owner's Name:  Ann Arbor Public Schools	_	Roosevelt Austin III			
	Community High School	)I	2555 South State St		Contact Telephone #			
	401 N. Division Street		Ann Arbor, MI 48104		(734) 576-0765			
	Ann Arbor, MI 48104	(104) 010 0100						
•	O to do Nomes	Operator's Telephone #:						
2)	Operator's Name:		Operator's Address: 25851 Trowbridge		(313) 791-2600			
	Environmental Mainten	ance Engineers, Inc	Inkster, MI 48141					
3)	Waste Disposal Site (	WDS) Name:	Waste Disposal Mailing Ad	dress:	Disposal Site Telephone #:			
3)	1	(734) 654-0001						
	Carleton Farms Landfil		28800 Clark Rd. New Boston, MI 48164					
4)	Responsible Agency:							
.,	Air Quality Division, Mic		of Natural Resources					
	P.O. Box 30028							
	Lansing, MI 48909							
5)	Description of Materia	als:						
	Hazard Class: 9	Identification Num	ber: NA2212 Packing G	Froup: III				
[	Additional Description	n:						
6)	Containers:							
		# of Containers: 1		gs, etc) To	tal Qty. (cu ft., cu yds., lbs., tons):			
$\Box$	Friable Asbestos	/	2006					
$\Rightarrow$	Non-Friable Asbestos		*	-				
$\Rightarrow$	Other:							
7)	Special Handling Inst							
<b>a</b> )	Handled in accordance	with all EPA, NESP	IAP, & OSHA Regulations the contents of this consignment are fu	illy and accur	ately described above by proper			
8)	shipping name and are class	sified, packed, marked, a	nd labeled, and are in all respects in pro	per condition	for transport by highway			
	condition for transport by hig	hway according to applic	able international and government regul	lations.				
	Printed/Typed Name;	Jeff Cheney		Title:	Project Manager			
	Signature: Date: 8-01 2000							
9)	Transporter (Acknow							
	Name: Environmental Maintenance Engineers, Inc.							
	Address: 25851 Tr	Number: (313) 791-2600						
$\Box$	Printed/Typed Name:	Title:	Supervisor					
$\Box$	Signature: Date: 7 ( ) 2-							
10)	Transporter 2 (Ackno		ceipt of Materials):					
		Services - Wayne	10404	Phone	Number: (734) 216-8240			
		swell Wayne Mil 4	18184	Title:	Driver			
	Printed/Typed Name:	Joseph	Lun	Date:	8-/2-22			
441	Signature:	Winer of operators	Pertification of receipt of ashesto		s covered by this manifest except			
77)	as noted in item 10.	wifel of oherame	Germiodion of receipt of dissect	-141 - ·				

Title:

Date:

Printed/Typed Name:

Signature:

#### **APPENDIX C5**

Miscellaneous Contractor Information





Signature:

S M T W T F S 06 03 2Z Week Ending Date:

25851 Trowbridge St., Inkster, MI 48141 Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com Truck #/Driver:

Today's Date/Day:

22-025 Job Name:

Job #:

COMMUNITY H.S.

ACM | Mold / Lead / Other

Work Area: 15t Floor South East Corribor 2<sup>ND</sup> Floor South Corribor

Daily Consti	ructio	n Re	port		Co	mment	s:				
General Work Description:		The ty	oe of ab	ateme	nt condu	cted:	Se	t-up pro	cedure	s conducted:	
General Work Description:  Y N  ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Transite Siding/ Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste	I n/a	i Li	Glove- Removal, BP Remo BP HEPA Dr	Rer Encapsu Patch/R -bag Rer Encle /Replace oval Che	moval station	N n/a		t-up pro	Plý Iso P Portabl	Signs/Banner Tape Criticals Set-up Full/Mini Enclosure (wood 2"x4" Structures AFD's Set-up Vented lation of HVAC system oly Walls Floors Drops e/Full Decon Chamber Water System Set-up ic GFCl's/Temp. Panel	/a
Other K		1 ,,99			olition 😽					ld/Bakers/5'x7'/Manlift	
Personal protective equipment:		Clean-	up activ	/ities:	Y	M .		pection		Machines Y N n	lo.
Respiratory protection Half-Face/Full-Face/PAPR's Disposable Suits Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection Fall Protection Scaffold Safety Rails/Manlift  Consultant Firm:	n/a	HEF	Load Surfact thods IAG PA Vacuu Equip./T Fii Work Ar	Out Acti tants/Led Q Shock	an-up vities vit	N n/a			Bar DEC Eld OSHA Cons Consu Pers Work	riers Intact And Sound ON/Shower Inspection Employee PPE Used ectrical Safety In Place Inspection Site Review sultant/EME Monitoring Itant/Supervisor Visual onnel Decontaminated Area Inspected/Secure	
Representative Name: 🜙 🗢 =							Accre	ditation			
Manometer Readings Start:		inches water	Middle:		inches water	End:		inches water	Notes:		
Employee Name Project Manager:		Accred.	#	Class S/W	Time In	Time Out	Time In	Time Out	Total Hrs	Employee Signature	
Supervisor: Suante Librack	MAS	4577		5	<b>3:3</b> 0	_	_	11:00		CAR	Ž
DYLAN MERICOTTE				س	8,00	-	_	(O,CC)			
NOW STERY				لما	5,00	-	-	<b>VO</b> :00	5,0		
Safety Issues: ( )	10		72		Asbe	estos W	/aste		Dump	ster EME Onsite	
12 -00 JAS	1		)	~~f	riable~~	~	~ Non-Fri	iable~~		Status of Job	
					Bags Drums		Bag		Note:	ject On-going - someone to return	)
					Bundles		_	dles		nplete - no one will need to return	
certify area has been visually i	nspecte	ed, all eq	uipmer	nt is off	site and	there	is no de	ebris or	other n	naterials left.	



Signature:



25851 Trowbridge St., Inkster, MI 48141 Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com

-	S
S S	W
475	
	Tr
997 - 2022	بزرال

Today's Date/Day:	Job #: 22-525
Week Ending Date:	Job Name:
Truck #/Driver:	ACM Mold / Lead / Other
Work Area: 15 From 5	current Corp.

Daily	Constr	uction	Report
-------	--------	--------	--------

Daily Construction Report				Co	Comments:								
General Work Description:		The type of a		nt condi	ucted:	S	et-up pro	cedure	s conducted:				
	N n/a			Y	N n/a						N	n/a	
ACM Pipe/Fitting			Rer	noval		7			Signs/Banner Tape	•			
ACM Boiler/Tanks/Breeching			Encapsu	lation		1			Criticals Set-up				
ACM Acoustical Ceiling			Patch/R	Repair		1 I			Full/Mini Enclosure				
ACM Ceiling Tiles/Glue Pods	+	Glove	e-bag Rer	noval				Ply	wood 2"x4" Structures				
VAT Mastic Carpet	+		-	osure		1			AFD's Set-up Vented	V		7.4	
Transite Siding/	+	Remova	i/Replace	ement		1		Isol	lation of HVAC system			N. N	
Insulation/Vermiculite	_		noval Che	-		1 1		P	oly Walls Floors Drops	2		1	
Lead Based Paint	-		A Power			1 1		Portable/Full Decon Chamber					
Mold Remediation	+		ory ice Bla			1 1	Water System Set-up						
Industrial/Universal Waste	-	Aggressive	•			1 1	Electric GFCl's/Temp. Panel						
Other	+		tive Demo			1		Scaffold/Bakers/5'x7'/Manlift					
Personal protective equipment		Clean-up act				In	spection	is:					
	v n/a	Giodii up doi		Y	N n/a			f Neg. Air	Machines	Υ	N	n/a	
Respiratory protection		Gross	Final Clea	an-up 🔍		1 [		Bar	riers Intact And Sound	oL			
Half-Face/Full-Face/PAPR's			d Out Acti			1 I		DEC	ON/Shower Inspection	1. 4			
Disposable Suits &		Surfa	ctants/Led	dizolv 🗸		1			Employee PPE Used	×	-		
Steel Toe/Rubber Boots 🗸	+	Wet Methods I/	AQ Shock	wave 🗸		1		Ele	ectrical Safety In Place	×			
Gloves Rubber/Cotton 🔇	+	HEPA Vac		_		1		OSHA I	nspection Site Review				
Safety Glasses/Full Face	+		All Equip./Tools Cleaned Consultant/EME Monit						ultant/EME Monitoring	oc			
Hard hats/Hearing Protection			inal Lock	_		1		Consu	tant/Supervisor Visual	X	I		
	+		Area Tear			1		Perso	onnel Decontaminated	~			
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Scaffold Safety Rails/Manlift		Final Work	Site vvaik-	- IIIIu		Vious	I/Testing			-		_	
Consultant Firm: Decit							_	- 4	•				
Representative Name: THIN	4			7	T Code	Accre	ditation	Number			_		
Manometer Readings Starts	_	inches Middle water	-	inches water	End:		water						
			Class		Time	Time		Total	Employee Si	iana	4		
Employee Name Project Manager:	1	Accred. #	S/W	In	Out	In	Out	Hrs	Employee Si	yııa	ture		
			-						1	7	_		
Supervisor:	ALC					1120		8.5	Chand	1	0	1	
Summe NiBLOCK	AN	3577	5	7.00	100	1:33	4.00	@.5	733000		_	20.	
Syrul MEXICOTTE			w	<u>ණ.</u> ග	က္တ	1:30	3:30	7.0			_		
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CON ENROUS			w	2000	1,00	1130	3:30	7.0					
MART KELLY			w	නයා	1'00	مدر	3130	7.0					
TOM PRAK			w	<b>ಲ್ಯ</b> ದ	17:00	1530	3730	7.0					
Safety Issues: LOAD (5)	T Q	Asbestos Waste				Vaste	1	Dump	ster EME		Onsi	te	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-				~ Non-Fi	riable~~		Status of Job	,				
TOOKS, LADDERS	225			Bags		Ва	gs	Pro	ject On-going - someo	ne to	retu	ırn	
			Drums Drums Note:										
				Bundles			ndles		nplete - no one will nee	d to	retur	'n	
Loortify area has been visually	inspect	ed all equinme	ent is off	_		_				1			



Signature: Man & Kung

Today's Date/Day: S M T W T F S C/11/22 Week Ending Date:

Job Name:

Job #:

22-025

6/12/22 Truck #/Driver:

(ommunity ACM | Mold / Lead / Other

49/ Chas Work Area:

Floor Auditorium, 3rd Flow Ceilm

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com					F/00	- Au	diborio	n. Sod Flow Cliling		
	uction Report		Co	mments	les	nard	451	this ' ( + 4 holes		
	The type of a	batemen	t cond	ucted:	Se	t-up pro	ocedures	conducted:		
ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Transite Siding/ Plaster Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste Other  Personal protective equipment:	n/a Glove Remova LBP Rem LBP HEP D Aggressive I	Remo Encapsulat Patch/Rep Glove-bag Remo Enclose Removal/Replaceme LBP Removal Chemi LBP HEPA Power To Dry Ice Blasti Aggressive Hand Cleane Selective Demoliti Clean-up activities: Gross/Final Cleane Load Out Activiti				Signs/Banner Tape Criticals Set-up Full/Mini Enclosure Plywood 2"x4" Structures AFD's Set-up Vented Isolation of HVAC system Poly Walls Floors Drops Portable/Full Decon Chamber Water System Set-up Electric GFCl's/Temp. Panel Scaffold/Bakers/5'x7'/Manlift  Inspections:  # of Neg. Air Machines Barriers Intact And Sound				
Respiratory protection Half-Face/Full-Face/PAPR's Disposable Suits Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection Fall Protection Scaffold Safety Rails/Manlift	Gross/I Load Surfac Wet Methods IA HEPA Vacu All Equip./	I Out Activitants/Led Q Shockvium Seque Tools Cleatinal Lockd	vities / izolv vave ence / aned / lown				DECO Elec OSHA In Consulta Consulta Persor Work Ar	ers Intact And Sound N/Shower Inspection Employee PPE Used Itrical Safety In Place spection Site Review Itant/EME Monitoring ant/Supervisor Visual Innel Decontaminated ea Inspected/Secure		
Consultant Firm: Arch Representative Name: 7.4	lame: 7.4					ditation	Number:			
	-OH water Middle:	-04	inches water	_	-04	water				
Employee Name Project Manager:	Accred.#	Class S/W	Time In	Time Out	Time In	Out	Total Hrs	Employee Signature		
Supervisor:  Man Kelly	A34636	5	600	1230	-	7	6.5			
Chad Grossa End Richard Son	A 330 6 3 A 52 387	W	100	1230	-	-	5.5			
Mario Carson	H45721	W	100	1230	-	_	5.5			
Jason Ibward	H 42060	W	100	1230			5.5			
Safety Issues: working fre	om //cijhts		-	estos W		1	Dumps	ter EME Onsite		
Solety. On 5.12 Working in Certing. Class up and true	ppe. I Close plan		Bags Drums Bundles	3	Dru Bun	ms idles	Note:	ct On-going - someone to return		
certify area has been visually in	spected, all equipme	nt is off	site and	tnere i	5 HO U	EDITO OF	OUTOI IIIC	ateriais iert.		



Signature:



Truck #/Driver:

Today's Date/Day: S M T W(T)F S Week Ending Date:

Job Name:

Job #:

22-024 AAPS Communi

Work Area:

ACM / Mold / Lead / Other

Personal I Classioons & Offices

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com

Daily Construction Report Comments:					s:	,							
General Work Description:	2	The type of a	batemen	t condu	icted:	Se	t-up pro	cedure	s condu	cted:			
Y N	n/a			Y	N n/a						Υ	N n/a	
ACM Pipe/Fitting			Rem	oval		] [			Signs	/Banner Ta <sub>l</sub>	pe		
ACM Boiler/Tanks/Breeching			Encapsula	ation		1			Cı	riticals Set-	Jp /		
ACM Acoustical Ceiling			Patch/Re	ераіг		] [			Full/M	lini Enclosu	re 🖊		
ACM Ceiling Tiles/Glue Pods		Glove	-bag Rem	oval		] [		Ply	wood 2"x	4" Structure	es		
VAT Mastic Carpet			Enclo	sure						Set-up Vente	_		
Transite Siding/	$\Box$	Remova	i/Replacer	nent		] [				HVAC syste			
Insulation/Vermiculite		LBP Rem	oval Cher	nical	1.111.				. •	Floors Drop	-		
Lead Based Paint		LBP HEP	A Power T	ools		1		Portable		con Chamb	-		
Mold Remediation			ry Ice Bla			4 1				ystem Set-ı			
Industrial/Universal Waste		Aggressive I				4 1	Electric GFCl's/Temp. Panel						
Other 3th up		Select	ive Demo	ition			Scaffold/Bakers/5'x7'/Manlift						
Personal protective equipment:		Clean-up acti	vities:	12.50			spection					M /-	
YN	n/a			Y	N n/a	,	# 0	f Neg. Air			_	N n/a	
Respiratory protection			Final Clea			4 1				ct And Sour			
Half-Face/Full-Face/PAPR's			Out Activ			4 I		DEC		er Inspection			
Disposable Suits			Surfactants/Ledizolv Wet Methods IAQ Shockwave							ee PPE Use	-		
Steel Toe/Rubber Boots						- 1				afety In Plac			
Gloves Rubber/Cotton		HEPA Vacu	-			- 1			-	n Site Revie 1E Monitorir	- 4	+	
Safety Glasses/Full Face		All Equip./				- 1						$\overline{}$	
Hard hats/Hearing Protection			inal Lockd			- 1	Consultant/Supervisor Visual Personnel Decontaminated						
Fall Protection			rea Teard			- 1					-		
Scaffold Safety Rails/Manlift		Final Works	site Walk-	Thru					Area Inspi	ected/Secu	e/		
Consultant Firm:		61					/Testing						
Representative Name: Arch		1160				Accred	inches	Number	:		-		
Manometer Readings Start:		inches Middle: water	-	inches water	End:	-	water	Notes.					
			Class	Time	Time	Time	Time	Total		Empleyee	Cianol	turo	
Employee Name	-	Accred. #	S/W	In	Out	ln	Out	Hrs	-	Employee	Signat	uie	
Project Manager:													
Supervisor:						2.0	00		/	. /	0	La	
Adam Hell	12	5587	1	600	1200	1230		11.5	1	rule	10	W	
That was 11911	1	1.07			-0	1230	600	116					
Ger Nacle	14	7962		600	1200	12	6	11,5					
12.05 1-191	//				1								
						100	-						
								-					
			11.0										
							-						
							1						
Safety Issues:				Asb	estos W	/aste		Dump	ster	EME	1	ensite	
Dalety Issues.			~~F	riable~~		~ Non-Fri	iable~~		S	tatus of J	ob		
						Bag		Proi	iect On-a	oing - som	eone to	return	
				Bags	_			_	, 8	,			
				Drums		Dru		Note:	amlete :	o one will	nod t	- churs	
				Bundles			ndles			o one will n	eeu to f	eturn	
certify area has been visually in	specte	d, all equipme	nt is off	site and	d there	is no de	ebris or	other m	naterials	s left.		6~	



Today's Date/Day: S M T W T B S Week Ending Date:

Job Name:

AAPS Commun

25851 Trowbridge St., Inkster, MI 48141

Note:

Complete - no one will need to return

Drums

Bundles

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com			- 4	2 nd floor - Priority 1 - Classrooms; Office										
Daily Const	truction	on Re	port		Co	mmen	ts:							
General Work Description:		The ty	pe of ab	atemer	t condu			et-up pro	cedures	cond	ucted	l:		
ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Transite Siding/ Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste Other 204 Personal protective equipment  Respiratory protection Half-Face/Full-Face/PAPR's Disposable Suits Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection Fall Protection Scaffold Safety Rails/Manlift  Consultant Firm:	ACM Pipe/Fitting  CM Boiler/Tanks/Breeching    ACM Acoustical Ceiling    CM Ceiling Tiles/Glue Pods    VAT Mastic Carpet    ansite Siding/    Insulation/Vermiculite    Lead Based Paint    Mold Remediation    Industrial/Universal Waste    Other		Remova Encapsulation Patch/Repair Glove-bag Remova Enclosure Removal/Replacement LBP Removal Chemica LBP HEPA Power Tools Dry Ice Blasting Aggressive Hand Cleaning Selective Demolition  Clean-up activities:  Gross/Final Clean-up Load Out Activities Surfactants/Ledizoly Wet Methods IAQ Shockwave HEPA Vacuum Sequence All Equip./Tools Cleaned Final Lockdown Work Area Teardown Final Worksite Walk-Thru			N n/	Inspection		of Neg. Air Machines Y N n/a Barriers Intact And Sound DECON/Shower Inspection Employee PPE Used Electrical Safety In Place OSHA Inspection Site Review Consultant/EME Monitoring Consultant/Supervisor Visual Personnel Decontaminated Work Area Inspected/Secure					
Manometer Readings Stan		inches water	Middle:		inches water	End:	-	inches water	Notes:					
Employee Name		Accred.	#	Class S/W	Time In	Time Out	Time		Total Hrs		Emp	loyee	Signa	ture
Project Manager:  Supervisor:	1				1 30		1230	0,00	110				0	_
Andrew Itah	11	2558	17		.00	1200	1/2	5-30	11,5	a	rla	12	×	
(510g N/95/e		1176	-		6	y c	12	,	//					
					Ach	estos \	Waste		Dump	ster		EME	1-10	nsite
Safety Issues:				~~F	riable~~	-	~~ Non-F	riable~~	2 4111.15		-	s of J		
					Bags			ags	Proj	ject On-	going	- som	eone to	return

I certify area has been visually inspected, all equipment is off site and there is no debris or other materials left.

Drums

Bundles

Signature:





Signature: Manfay

Today's Date/Day S M T W T F S Week Ending Date:

22-025

6.19.22

Job Name:

Truck #/Driver:

ACM Mold / Lead / Other

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com			2 nd Floor - Priority 1 - Classiouns & Offices							
	uction Report		Comment	S: An	d	The	ater	Room		
General Work Description:	The type of a	batement co	nducted:	Se	t-up pro	cedure	s condu			
ACM Pipe/Fitting ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Traneite Siding/ // 55fc/ Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste Other Sefery Personal protective equipment:  Respiratory protection Half-Face/Full-Face/PAPR's Disposable Suits Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection	Remova LBP Rem LBP HEP  Aggressive Select  Clean-up act  n/a  Gross/ Load Surfa Wet Methods I/ HEPA Vacu All Equip./	Removal Encapsulation Patch/Repair Glove-bag Removal Enclosure Removal/Replacement LBP Removal Chemical LBP HEPA Power Tools Dry Ice Blasting Aggressive Hand Cleaning Selective Demolition  Clean-up activities:  Y Gross/Final Clean-up Load Out Activities Surfactants/Ledizolv Wet Methods IAQ Shockwave HEPA Vacuum Sequence All Equip./Tools Cleaned Final Lockdown Work Area Teardown			Plywood AF Isolation Poly V Portable/Fix Water Electric G Scaffold/B Inspections: # of Neg. Air Mater B Barriers DECON/ En Electri OSHA Inspectionsulta			Signs/Banner Tape Criticals Set-up Full/Mini Enclosure vood 2"x4" Structures AFD's Set-up Vented Ition of HVAC system Ity Walls Floors Drops //Full Decon Chamber Water System Set-up GFCI's/Temp. Panel I/Bakers/5'x7'/Manlift		
Fall Protection				1			-	contaminated		
Scaffold Safety Rails/Manlift	Final Work	site Walk-Thru		Vieuel	/Testing		Area Insp	ected/Secure		
Consultant Firm:	1.1				ditation					
Representative Name: // / // Start:	inches Middle	e; inche	es End:	Accre	inches	Notes:	•			
Manometer Readings	- water	- wate	r	- 1	water	T-4-1				
Employee Name	Accred. #	Class Tir		Time In	Time Out	Total Hrs		Employee Signa	iture	
Project Manager:										
Supervisor: Ptah	125587	1/			430	9,	An	du A	6	
Tony Barbour	A55397		1200	1/2	500	7.5				
Enc Richardson	A52387	80	1200	1230	430	8				
Safety Issues:		, , ,	\sbestos V			Dump			Onsite	
		Bags Ba			Bags   Project On-going - someone to return					
	Bun		Bundles Bundles					no one will need to	return	
I certify area has been visually in	nspected, all equipme	ent is off site	and there	is no de	ebris or	other n	naterials	s left.	Km	



#### Job #: Today's Date: 22-025 Job Name: Day: Community His. Week Ending Date: PO# / Work Order #:

313.791.2600 - I www.tean		Truck # / Driver:  49 Beas Mold / Lead / (								
	uction Report			ork Area	1:	SE 1	* ~			
Description of Work Performed:	FINISHED -	SET	JP	12	PHO	SE	1, 8	emoder of		
LICHTS & BULBS	(C) 1	LACE	MUSE-	1 / bus	VCC I	ZEN 1				
THAT WERE QUE										
SET UP WALLS	& Traves	TOOK	ال	، ب	OFF	اندح	ائىب	u be combined		
which the effect of	F PHASE (	1 0	200	(12)	<u> </u>	3(7)	201			
Visitors to Site / Inspections Mad	le:									
Start:	inches Middle:		inches	End:		inches	Notes:			
Manometer Readings	\\ water	091	water	_	- 10	water				
Supervisor: Summer Lieux	A43597	5	630	12:00	12130	5:30	10.5	E S S S		
Bear Survey	A45730	l w	حصني	12:00	12:30	430	120			
ANDERN PRAK	A25587	·w	6,00	1200	12:30	5:30	110			
Worker JARCARS	4118ZA	w	7'.00	12:00	12:30	5:30	100			
	A58233		7',000		12120	E13C	50			
onar-autonio	K3GC77	<u>~</u>	7,85	1-2:00	(2.50	3.2	(0.0			
BEAULASOS-BERMUDE	A54503	w	7:00	12,000	12:30	5.30	10.0			
CEUZ TORRES	ASSUS B	w	7:00	12:00	(2)30	5:30	10.0			
MOURM' ZAMORAN	A57748	w	700	12:00	12:30	5:30	10.0			
REYMA J. RAMI DEZ CS.	A50200	w	7':00	15:00	12:30	5:30	ص01			
SOIT DILETEA	A58105	w	7100	12100	121:30	STRO	10.01			
DOING E LOAZ HERDEN	A46-119	T.		7		C5:30	0.01			
OSMILI E DOPEZ HEDDEN	240 11	w	1,50	(0,00						
Work Inspecti	on	Safety	Meeting	:5ìc	LIF	15	Ner	OMED CHESH S		
# of Neg. Air Machines	Y N n/a	OTHE	RE TO	ADE5	ELE	ener	دمد د	LES LADDEDS		
Decontamination unit functioning				40,0	١٠٠٠	OFF	<b>UHG</b>	el shapp wiet -		
Barriers intact ar		MES	Ach	estos W	aste		Dumps	ster EME Consite		
Air monitors in place  ✓  Protective equipment used and functioning  ✓  ~				-	- Non-Fri	able~~	Zampa	Status of Job		
Protective equipment used and fur Air samples collected and i		-	Friable~~ Bags		Bag		Proj	Project On-going - someone to return		
Work area secure				Dru		Note:				
Personnel deconta		Bundles		Bun	dles	Com	plete - no one will need to return			



Work area secure

Personnel decontaminated

Today's Date:	Job #: 27 -025
Day:	Job Name:
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM Mold / Lead / Other

Complete - no one will need to return

313.791.2600 - www.teal		uck#/[ 9] <b>&lt;</b>		T		ACM Mold / Lead / Other		
Daily Constr	uction Rep	ort	Wo	ork Area	1: 1455	<b>=</b> 1		
Description of Work Performed:  DEAD IN EDUCATION BUT  DEAL IZON BUT  DEAL IN DEAL  IN OFFICES IN PL	PAN HO	<u>_</u> <u>outh</u>	with	250LE	e-B	OF	Sule	DUE DUE 10
Visitors to Site / Inspections Mad	de:							
Manometer Readings	inches water	liddle:	inches water	End:	09	inches water	Notes:	
Supervisor:	A43597		6.00	12:00			12.0	HOLARD
BEAD DUTHURR	A45730	w	موجي	12:00	12:30	5.30	105	
ANDROW Prak	A:25587	س	7,00	(Z)00	12:30	4:30	9.0	
WONSEL JARCOS	PIJ8ZA	w	2,00	12,00	12150	57.30	100	
INES CASTRO ONAR - ANTONIO	A58233 A54503	ىي	00:T	12,00				
LEUZ TORRES	ASBISB	w	7'20					
NOHON' ZANORAN	A57748	٧	7:00	(2),000	12:30	5:30	10.0	
REYNA J. RANIBEZ G.	ASSEZOO	دب	7,500	15:00	12:30	5:30	0.0	
seie eites	A58105	w	<b>200,</b> 17	<i>5</i> 000	(C:30	5:30	10.0	
Janiale Copez Herrea	A46719	س	TAD	KS:000	12130	5130	(00)	
		Safah	Mactino					
# of Neg. Air Machines  Decontamination unit functioning	y N n/	a GTIVE	E TO	לשמע	ELE	رور	الله الله	de-heads damo Nes ladsaes Shalp whee high
Barriers intact and sound  Air monitors in place  Protective equipment used and functioning			Asbe	estos W	laste - Non-Fri	able~~	Dumps	Status of Job
Air samples collected and			Bags Bags Project ( Drums Drums Note:			ect On-going - someone to return		

Bundles

Bundles



Personnel decontaminated

Job #: Today's Date: 22.015 Job Name: Day: PO# / Work Order #: Week Ending Date:

313.791.2600 - Fax: 313.791.2601   Truck # / Driver:						ACM Mold / Lead / Other		
Daily Const	ruction Report		Wo	rk Area	PHA	ا عاد	与乙	
Description of Work Performed	CONTINUE	PLAF.	STEE	Juc	54/	BLAC	Lie	al barolar,
LEAD OUT WAS	STE, STRET	TIN	al	cie	antin	KO		
PHACE Z-	STORT SOT	UP	FOR	2	ENO	ممد		
Visitors to Site / Inspections Ma	[ Baindall	0.		End:		inches	Notes:	
Manometer Readings	inches water	.,09	inches water		- ,09			
Supervisor:	A33063	5	co.'s	12:00	12:30	ري موري	12.0	
BIRAN SUTHBOOK	A45730	w	6,00	12100	12:30	5.30	000	
IHONYELL JAPKAK	ASEXIL	w	20%F	17:00	الكنج	5:30	100	
onder Autonio	A58733		7 6 7			\$1.30		
COMADOS-BERNUTE	A54503					5.30		
COUR TORRES	A58158	w	7'.00	12:00	12:30	5.30	10.0	
REYNA VIRANIDEZ LA	. A58Z00	w	7.00	17:00	12.30	5.30	10.0	
Deira RIVERA	A5B105	ن	7:00	1200	12:35	5730	10:0	
DSHIM E LOPE THERE	2 240719	w	T'ND	17:00	12:30	539	10.0	
Work Inspec		Safety N	deeting	40				2-HEAD DONO,
# of Neg. Air Machines  Decontamination unit functioning	Y N n/a	OTHE	2 10	ADES	EU	ETP!		Suppulse use
Barriers intact		Sau	and the	1	100			
	rs in place		Asb	estos W			Dump	
Protective equipment used and f			iable~~		Non-Fri		61-	Status of Job
Air samples collected and			Bags	-	Bag		Note:	ect On-going - someone to return
Work a	rea secure		Drums Bundles	+	Dru Bun	ms dles		nplete - no one will need to return

Bundles

Bundles



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601

Today's Date:	Job #:
00/23/22	22-025
Day:	Job Name:
THURSDAY	Conunity 41.5
Week Ending Date:	PO# / Work Order #:
Truck # / Driver: SZ とれなう	ACM / Mold / Lead / Other

313.791.2600 - 1 www.tear	5	CUAS ACM / Mold / Lead / Other								
	uction Report		Wo	ork Area						
	uction Report				PHA	E18	12	6		
Description of Work Performed:	OND OUT W	ASIE	を言	مدر	UZA	N. J	محدث	4 Lockson		
CLEAN LIFTS, M	OUE LIES	70 1	NEXT	122	x-(	PHO	E ZE	3) RHASE 1		
	_									
READY FOR CLETAN					-		1			
					7			SHOUTE LOSS OUT		
APPS/ GARTS						NI	1200	1		
RUSE 3 - STOR	et set up	مك	us)	FLEE	\$25					
Visitors to Site / Inspections Mad	ie:									
Manometer Readings	inches Middle	ع <del>لا</del>	inches water	End:	مح	inches water	Notes:			
Supervisor:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	T						AGO 95		
Synt Lienock	A42597	5	7:00	12:00	(2:30	5:30	0.01	CHOCK TO THE		
CHAD CORSSON	A33063	دن	530	12.00	12:30	6:30	12.5			
BRAD ALTHERR	A45730	w	630	121.00	12:30	5130	10.5			
HONEL VARIOUS	AS8114	w	rico.	12200	17:30	5.30	90			
INTO CORTRO	ASS233	w	7:50	2:00	Z:30	5:30	an			
CHAR-ANTONIO		w	Gair	12:00	172130	5:30	100			
COUZ TOURES	ASBISE	w	רויפט	12.00	12130	5:30	10.0			
Notani zanoean	BALLEY	w	7:00	12:00	12130	5130	0.0			
PEGNA I PALIEBEZ CO.	ASSIZEO	w	1:00	12:00	17130	530	001			
Aciel cileda	A58105	w	TIED	12:00	12:30	5:30	10.0			
ARIEL RIJERA	AHOTIA	w	71:00	12:00	17/30	6130	10:0			
Work Inspecti		Meeting					ES-TIED DEMO			
# of Neg. Air Machines  Decontamination unit functioning	241	CIT	ELSI.	مععد	القاعدي	Super where west				
Barriers intact and sound				1	<u></u>					
Air monitors		Asb	estos W	aste		Dumps				
Protective equipment used and fur		~~/	riable~~	~~	- Non-Fri	able~~		Status of Job		
Air samples collected and i	identified		Bags					Project On-going - someone to return		
	a secure 👞		Drums					Complete - no one will need to return		
Personnel deconta	aminated 📈	Bundles	ndles Bundles			Complete - no one will need to return				



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601 www.teamEME.com

Today's Date:	Job #:						
000 24 22	22 025						
Day:	Job Name:						
Week Ending Date:	PO# / Work Order #:						
Truck # / Driver: ムター	Mold / Lead / Other						
IAC							

www.teamEME.com			- 4	Work Area:							
Daily Constr	ort	W	ork Area	RIAC	E 7	€3					
Description of Work Performed:				1	1						
PHASE 2 - CONT	ince Beno	JAL RA	ETER	ملح	BL	me	2001	LOAD OUT			
								,			
Buck Pick UP, Co	pair fair	بهاس دانه	ريحي								
			-		-						
PLHOSE 3 - CONT	we set	یں جد	au)	حص	RS						
		_									
LOADIN EQUIPME	MT HOUSE	EWEER	ملاه								
Visitors to Site / Inspections Ma	de:										
Start:	HICHES	Viiddle:	inches	End:	~	inches	Notes:				
Manometer Readings	-,Co water	مال	water		<del>۵۰.۰</del>	water	_				
Supervisor:	4.1		7100		-	530	100	COLOR A			
Suarie Librock	A-13597	5	1933	Case	(25	3.30	100				
CHAD COROSSA	A 33063		صنى	1200	25.51	3.50	90				
Chais College	72.										
PERSO ALTHORR	A45730	·	TICO	17200	1225	2130	7.0				
0.000		<b>=</b> 1	11-0	5.			-				
HOUSEL JAPLOAS	PINBSA	W	7.00	12:00	12.30	5:30	10.0				
CARTIO	A583233	10.1	TOO	1710	121.3	5130	(0,0				
INES CASTRO ONAR-ANTONIO	7					100					
CRANDOS - BORNUDE	454505	W	7:00	12400	1213	5:30	10.0				
			13.5	T = 0 000							
Car torres	A58158	w	7.00	12:00	123	2:30	10.0				
JOHENI ZAMORAN	457748	1000	7.00	17100	1213	530	10.0				
JOHEN! ZAMOFAN	331.170		1.00			100					
CEYMA J. PANIDEZ	A587200	دب	7.00	12:00	12:3	630	10.0				
,					L.						
ARIEL RIJERA	ASBIOS	-	7.00	120	12:30	5:30	10.0				
11	P17044A	J.	1.00	12100	1720	530	10.D				
CALLY E COLECTIONED	PHOTO		1.00	(200	12.5						
						1					
					-		4				
Work Inspect	ion	Safety	Meeting	4	600	LIES	الم	ERHEID DAMO			
# of Neg. Air Machines	Y N n		ER TO					INES LADDERS			
Decontamination unit functioning	SAU	7250		-70-	DFF	عادي	BEL SHARP MOSH				
Barriers intact a	FAL	Links		200	5						
Air monitors		Asb	estos V		٧	Dump					
Protective equipment used and fu			Friable~~		~ Non-Fr	able~~		Status of Job			
Air samples collected and		92	Bags	_	Bag		_	ject On-going - someone to return			
	ea secure	1 17/	Drums	-	Dru		Note:	nplete - no one will need to return			
Personnel decont	aminated		Bundles		Bur	dles	001	inplete no one tim need to lettern			



Today's Date:	Job #:
06 25 22	22-025
Day:	Job Name:
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other

25851 Trowbridge 9 313.791.2600 - www.teal			uck#/[			ACM / Mold / Lead / Other				
Daily Constr		ort		ork Ares		-	9 3			
Description of Work Performed:			TE ,			E 2		Lowbound		
ANGE 3 - CON	andre S	ET-UF	>							
Visitors to Site / Inspections Ma	de:									
Start:	liches	Middle:	inches water	End:	.,0	inches	Notes:			
Manometer Readings Supervisor:	- , Co water	5		172100		3:30	8.0	2600.6		
ANDRON Prac	4255BT	, w	(%:00	17:00	12130	3:30	9.0			
HONSEL JARCAS	ASSILL	_ w	7'.60	12:00	12,30	3:30	0.0			
DHAR - ANTOHIO	A\$82333	<u> </u>			100	051E				
CRANADOS-BERNUDE		·				3,30	7-11			
MOHEM! ZAMORAN	458158 457748	w	בסיר			HE	10			
POINS V. PANIETE	A58200	w				3130	1			
	A58005	W	71:00	12:00	12.30	3:30	8.0			
ARIEL RIJORA	A416719	w	7:00	12:00	12:30	3):30 (4):30	0:3			
Work inspect	ion	Safety	Meeting	ا ويما وي	>0e	Lipe	المارة المارة	er-Head Devo.		
# of Neg. Air Machines  Decontamination unit functioning		n/a Lot	Ded	FEL	ECID	KAL	ساملا	S, FALLING DERDIES		
Barriers intact a		Asb	estos W	/aste		Dump				
Protective equipment used and functioning  Air samples collected and identified  Work area secure  Personnel decontaminated			Friable~~  Bags  Drums	Bags			Status of Job Project On-going - someone to return Note: Complete - no one will need to return			
			Bundles							



Today's Date:	Job #: ZZ-OZS
Day:	Job Name:
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM Mold / Lead / Other

	313.791.2600 - Fax: 313.791.2601 www.teamEME.com				Oriver:			ACM Mold / Lead / Other		
Daily Const	ruction Report		Wo	ork Area	105	14	13			
Description of Work Performed	R 1000 1	H	9 g					ar a		
PHASE Z- PUN					1	-		1-		
PRIME 3-PARTI								. /		
RIAGE 3-PARTZ!										
REMOJE TEMP W	agui una	D	MPS	165	ع	-242	007	WASHE		
Visitors to Site / Inspections Ma	ade:									
Manometer Readings	inches water	:: -, <b>05</b>	inches water	End:	091	inches water	Notes:			
Supervisor: Super Librar	A48597	5	5130	12100	1250	6130	11.5	Sold on		
CUAD CORDERA	A33063	w	6,00	17:00	12:30	عدی	12.0			
BRAD ALTHERE	A45730	w	7(00	12:00	12:30	5130	0.01			
DEYMAY, BANGEZ CO	ARBIZEO	س	7'.00	12:00	12:30	5:30	10.0			
HOUSELL JARLAS	ASBUY	w	7:00	12/00	12:30	2:30	10.0			
BERMUNES	A54503	w	7'.00	12100	12/30	5:30	10.0			
CRUZ TORRES	ASBISB	w		17100		h.coul				
OSMIN E. LOPEZ	A58233		1		2.5		10.0			
HERRERA	A46719	س					0.0			
Motern Stanosam	A6774B	w		200						
ARIEL RIJERA	A50105	l w	0.	12:00			8			
head Houses	A47.060	w	700	1200	2:30	5,90	0			
Work Inspec	tion Y N n/a			_			OMS,			
# of Neg. Air Machines  Decontamination unit functionin  Barriers intact	سمعا	D OL TEIP	HAZ	- P	ex	ر را	5			
Air monito Protective equipment used and f	rs in place	~~F	Asbe-	estos W	laste - Non-Fri	able~~	Dumps	Status of Job		
Air samples collected and			Bags Drums	+	Bag	s	Proje	ect On-going - someone to return		
Personnel decon		Bundles				Complete - no one will need to return				



Personnel decontaminated >

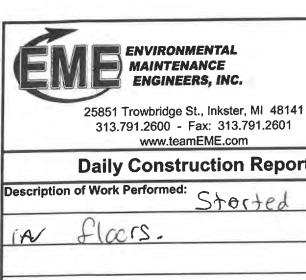
Today's Date:	Job #:						
00 28 2Z	22-025						
Day:	Job Name:						
Week Ending Date:	PO# / Work Order #:						
Truck # / Driver:	ACM Mold / Lead / Other						

Complete - no one will need to return

	313.791.2600 - Fax: 313.791.2601 www.teamEME.com					9/6	Jriver:		ACM )	Mold / L	ead / Other	
Daily Co	nstr	uction Rep	port		W	ork Årea	1: PARE	£ 3	DAR	-132	,	
Description of Work Perfo	71-					A	_&< <u>&gt;</u> T	e /	MES	1		icon
RUSE 3 PLET	2 -	FINISH	Ser	9ن								
いらてない るから Visitors to Site / Inspection	<del>z</del> O <u></u> P. ons Mad	e:	LONE	0	T 5	rele	D U	JAST	€			
Manometer Readings	Start:	inches water	Middle:	-,09	inches water	End:	29	inches water	Notes:			
Supervisor:	-	A42597		4	1	12:00	121:30		9.0		R	De
CHAD CHEORSA		A33003		w	ക്ക	15700	12:30	630	12.0			
DEAD ALTHORD		A45730		w	7'00	12.00	12:30	5130	0.01			
JASON HOWARD		A47060		w	7:00	12:80	12:30	5:30	0.0			
DEYNAY. PANIDE	263	₩28200		w	7.60	12700	172.30	5135	10.0	b_		
ONSEL JARIAN	es ess	HIBEL		w				15 7-9	10.0			
DERMUDES		A54503		دب					10.0			
COUR +02005		ASBISE		w					10.0			
ESUME. LOPEZ		A58233		w	700	17.00	12.5	5:50	10.0			
HERRES		AHOTA		w	71'200	12:00	12:30	5130	(0.0)			
MOHEMI ZAMOR	لمه	AS1748		w	7:00	121,00	12130	5:30	10.0			
ACIEL DINERA		A58105		w	T.600	viæ	1230	5.30	0.0			
Work li	nspectio	on		Safety	Meeting	- Cola	2407	ND D	2MO 1	= Deline	o berei	ules.
5 # of Neg. Air Machines		YN	_	LAN	De 125	Scie	5502	UP	5.0	HER TE	MAN	, '
Decontamination unit fun				لمما	500		ecre	CAL	ER.	marke		
Barriers intact and sound				Sip	121			mc.	A Poi		Inves I	In-m-
		in place K				estos W			Dumps		us of Job	Onsite
Protective equipment used				~~F	riable~~		- Non-Fri		N Dual			ne to return
Air samples collect		dentified 7			Bags Drums		Bag		Note:	ect On-going	y - 301116011	le to letuin
V	FUIL GIGG	. 0000.0[ / . ]			3144110	_			-			

Bundles

Bundles



Today's Date:	Job #: 22-025
Day: Wednesday	Job Name: Community H.S
Week Ending Date: 22	PO# / Work Order #:
Truck#/Driver:	ACM / Mold / Lead / Other
Work Area: Phase 3	Phose 4

313.791.2600 - Fax: 313.791.2601 www.teamEME.com					Priver:	d		ACM / Mold / Lead / Other		
	ruction Report		Wo	ork Area	"Phe	se 3	3	Phose 4		
Description of Work Performed	Storted	+0						4. Puting		
/isitors to Site / Inspections Ma	de:	e:	inches	End:		inches	Notes:			
Manometer Readings		30-08	water	C	208	water		ΓΛ1 4		
Supervisor: Chod Grossa	A33063	S	600	1203	1280	630	12	Old Cable		
Brad Altherr	A 45730	1	700	1200	130	530	10			
REYND ROMITEZ	A 58200	W	200	1200	1230	530	10			
Thousell Longes		w	700	1200	1230	530	10			
omer Gre-ados	A 54503	V	700	1200	1230	530	10			
Cruz torres	458158	W	700	1200	1230	530	10			
ines costre	A 58233	w	700	1200	1230	530	10			
DSMIN LOPEZ HELLERA	A46719	w	700	1200	1230	530	10			
Nohemi Zamora		4	700	1200	130	30	10			
Ariel Rivera	A 58 105	W	700	1200	1230	530	10			
Work Inspec	ion	Safety	Meeting	: 66	T	J (+/~	P	electrical		
5 # of Neg. Air Machines	Y N n/a	And		MEL			Pinc			
Decontamination unit functioning properly  Barriers intact and sound  Air monitors in place			Asbestos Waste Dumpster EME							
Protective equipment used and function Air samples collected and		~~F	riable~~ Bags		Non-Fri	_	> Pro	Status of Job ject On-going - someone to return		
	ea secure		Drums Bundles		Dru		Note:	nplete - no one will need to return		



Day:

Job Name:

Job #:

communit

Week Ending Date:

Today's Date:

Truck # / Driver:

PO# / Work Order #:

ACM / Mold / Lead / Other

Daily	Construction	Report
-------	--------------	--------

Work Area: Phase hose

**Description of Work Performed:** nose Clear

Visitors to Site / Inspections Made: TESS Cheney Mike Kelly Middle: Notes: Start: inches inches looded Drums + equip 1-08 water 0-0 water ) water **Manometer Readings** Supervisor: (2025A had 10 0 Nes Herrera 700 100 Arrel **Work Inspection** 

# of Neg. Air Machines N n/a Decontamination unit functioning properly Barriers intact and sound Air monitors in place Protective equipment used and functioning Air samples collected and identified Work area secure Personnel decontaminated

Salety. Safety Meeting: Adder MOU AMBRENESS OF SULLOVADISS P4.96A

Asbest	os Waste	Dumpster	EME	Onsite				
Friable	~~ Non-Friable~~	S	tatus of J	op				
Bags	Bags	Project On-going - someone to return						
Drums	Drums	Note:		Da				
Bundles	Bundles	Complete • no one will need to retu						



Job#: Today's Date: Job Name: HS (ommunit PO# / Work Order #: Week Ending Date:

Truck # / Driver: 49/13/00 Work Area:

ACM | Mold / Lead / Other

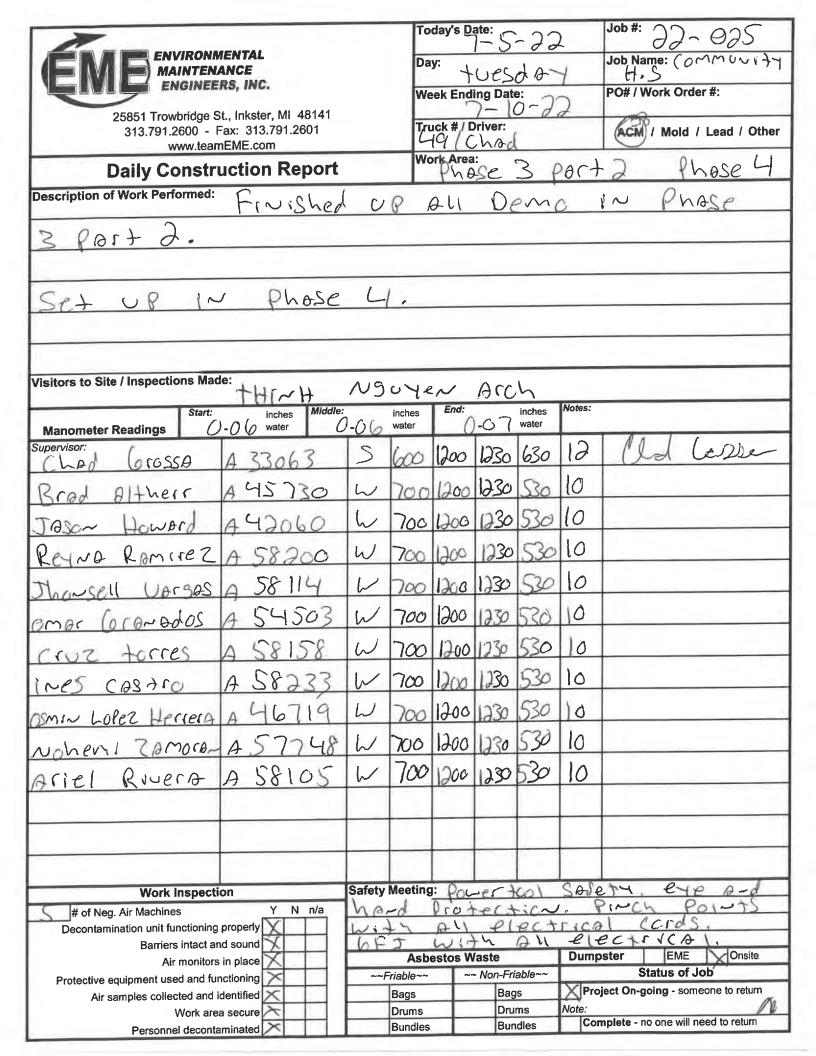
<b>Daily</b>	Construction	Report
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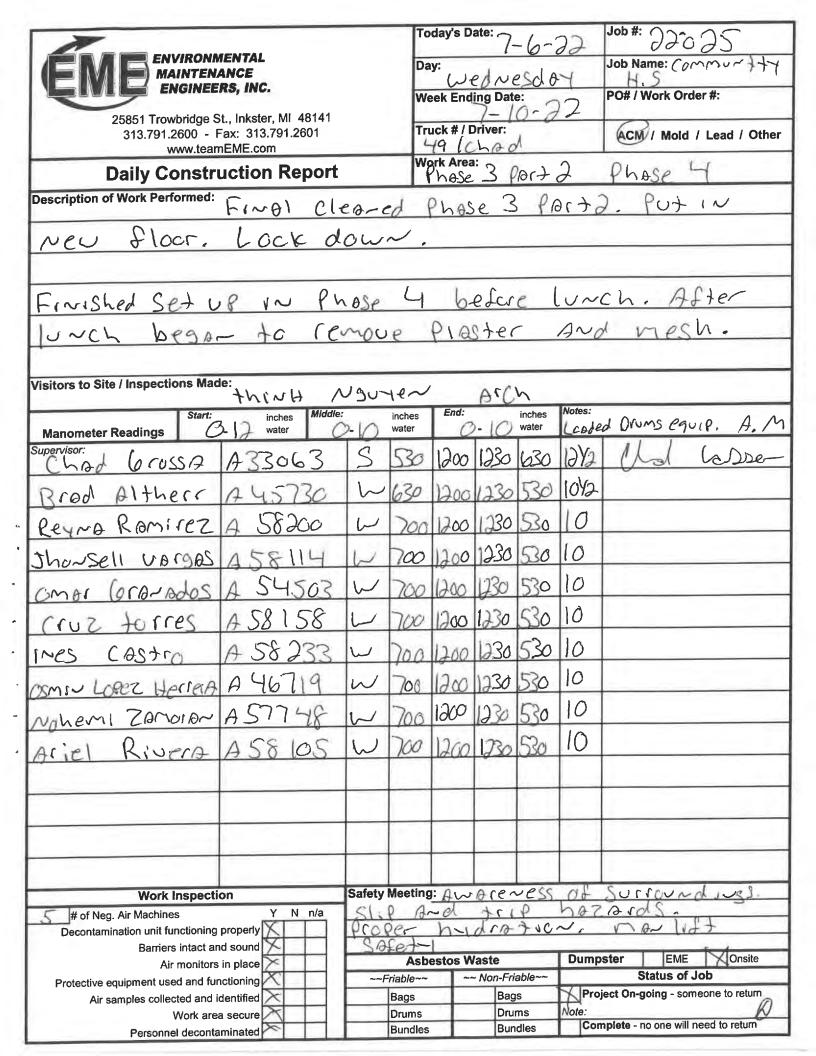
Daily C	onstruction	n Report		Work Area:	Pros	e 3	Pl	nose 4
Description of Work Pe	rformed:	val (	Clea~	Phase	e 3	PACT	2.	
Set UP	Phase	4.	Bas	p-d	Dru	m l	and	00+
Phase 3	part	2.						

### Visitors to Site / Inspections Made:

Manometer Readings	Start:	205	inches	Middle:	0-06	inches water	End:	1-07	inches water	Notes:	leavil + Orums A.M
Supervisor:			330	-	5	700	200		530	10	Challesse
Share Nible			4350		W		1200			10	
Brod Alther			457		W	/	1200		630	12/2	
Jason Howa	- (	A	420		W	F - 100 To #	1200		530	10	
Note Hill		A	306	76	W	700	1200	1230	530	10	
Reina Romine	ez	A	582	00	W	700	1200	1230	530	10	
Thousell VA	CAET	A	581	14	W	700	1200	1230	530	10	
omer Granad		A	5450	23	W	700	1200	1230	530	10	
cruz torre	5	A	581	38	W	700	1200	1230	530	10	
ives castro		A	5823	33	W	700	1200	430	530	10	
Osmin Herre	era	A	467	19	W	700		030		10	
nohem. Zamo	y (Ar	A	577	48	6	706		1230	1000	10	
Ariel River	B	A	58 10	5	<b>₩</b>	700	1200	1230	530	10	
									0.00	7.0	Cupandie

Work Inspection		Safety	y Meeting:	Amos	eress	Of SUr	round	MSS.
5 # of Neg. Air Machines	Y N n/a	Pro	Per P	PE.	PTE	prod	1000	(
Decontamination unit functioning properly	$\times$	800	stection	0~	Whilt	USING	PC	wer
Barriers intact and sound	X	to	US Br	-d	Demo			
Air monitors in place	×		Asbest	os Wast	е	Dumpster	EME	Onsite
Protective equipment used and functioning	7	~~	-Friable~~	~~ No	n-Friable~~	S	tatus of Jo	ob
Air samples collected and identified		88	Bags		Bags	Project On-g	oing - some	one to return
Work area secure		68	Drums		Drums	Note:		OU
Personnel decontaminated			Bundles		Bundles	Complete - r	o one will ne	ed to return







25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601 www.teamEME.com

Today's Date: 7-7-22	Job#: 22-025
Day: thursday	Job Name: Conmunity
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other
Work Area: Phase 3 for 2 P	hose 4,5

## **Daily Construction Report**

Description of Work Performed:										
CLEARANCE PASS	ed Phose 3	Per	+2	. +	ear	do	ر م	Con	-tai	ment.
Recived a dum	Pster Sw.	101	100	+.	FIL	red	Ne	L	Dur	rpster.
continued de	erro Plaste	2	BID	ck	iro	~	V~	P	nase	4.
Load out was										
Visitors to Site / Inspections Mad	thinh 1	JSI	Ne	~	A	rch				
Manometer Readings	inches Middle:		inches water	End:	-08	inahaa	Notes:	ed or	UMS A	nd equip.
Supervisor:		1	530					PI	1	a DA=
Chad Grossa						12	10000	0	Gi	(,,,,,,
Brod Altherr	The Park of the second		630				1			
REYNA ROMITEZ		W			1230		1.0			
Thousell vorgas	A58114	w	700	1200	1230	530	10			
omer Granados	A54503	w	700	1200	12360	530	10			
cruz torres	A 58158	W	700	1200	1230	530	10			
ines castro	A S8233	W	700	1200	1230	530	10			
OSMI~ Lotez Herra	A46719	w	700	1200	1230	530	10			
Nohem! ZAMORA	A57748	W	700	1200	1230	530	10			
Ariel Rivera	A58105	W	700	1200	1230	530	10			
Work Inspecti	on	Safety	Meeting	- 136	-	ect(		SA	fety	
5 # of Neg. Air Machines	Y N n/a	6	- 1	HEA		toot		ale-	1 1/2	ile
Decontamination unit functioning Barriers intact ar	271	POOPE	d(Na		ump		NI	700	WV	11/2
Air monitors	15-1	100	Asb	estos W		0,70	Dumps	ster	EME	Onsite
Protective equipment used and fur		~~F	riable~~	~~	- Non-Fri				atus of J	
Air samples collected and i	dentified	92	Bags		Bag		-	ect On-go	oing - some	eone to return
Work are Personnel deconta	a secure	19	Drums Bundles	+	Drui Bun	ms dles	Note:	plete - no	one will n	eed to return



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601

Personnel decontaminated

Today's Date:	Job #: 22 - 025
Day: Friday	Job Name: Community
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other
	5

www.tear		Work Area: Phase 4, Phase 5, Electric							
Daily Constr	uction Report		Wo	ork Area	Phi	ose	4	Phase	5/ Electrical
Description of Work Performed:									
Start to Sin	al Clea	~	Pha.	se	4	Do	5 A	11 00	+
CUAS And CA									
except for									
	+ outs 1								
Thuse 7 Lo	1 0013 1		- 1						
Visitors to Site / Inspections Mad	de: thinh 1	19 U	100	J A	iccl				
Start:	Middle			End:	0-09	inches	Notes:		
Cuponipor		T					10	PII	Casse-
Chad Grossa		S		1200	-	100	1.0	Clar	معدورين
Brod oltherr			700			100			
RETNA RAMITEZ	A 58200	W	700	1200	1230	530	1		
Thousell vargas	A 58114	W	700	1200	1230	530	10		
OMBI Granados	A 54503	W	700	1200	1230	530	10		
cruz torres	A 58158	w	700	1200	1230	530	10		
ines castro	A 58233	w	700	1200	1230	530	10		
OSMIN LOPEZ HETTERA		w	700	1200	1230	530	10		
Nohemi Zamora		W	700	1200	1230	530	10		
Aciel RiverA	A 58105	W	700	1200	1230	530	10		
4									
		=1							
Work Inspecti	on	Safety	Meeting	: 100	der	Sal	ety	. Proper	
5 # of Neg. Air Machines	Y N n/a	MY	drat	トかつし	H	ouse	kee	Pr. C	188~ UP
Decontamination unit functioning	610	ナナナナ	2	Ply	evod	re	(CLA)		
Barriers intact ar Air monitors			Asb	estos W	aste		Dump	ster EM	E Onsite
Protective equipment used and fur		~~F	riable~~		- Non-Fri	able~~		Status o	of Job
Air samples collected and i			Bags		Bag			ect On-going - s	someone to return
Work are	1		Drums Bundles	+	Dru: Bun	ms dles	Note:	nplete - no one w	rill need to return

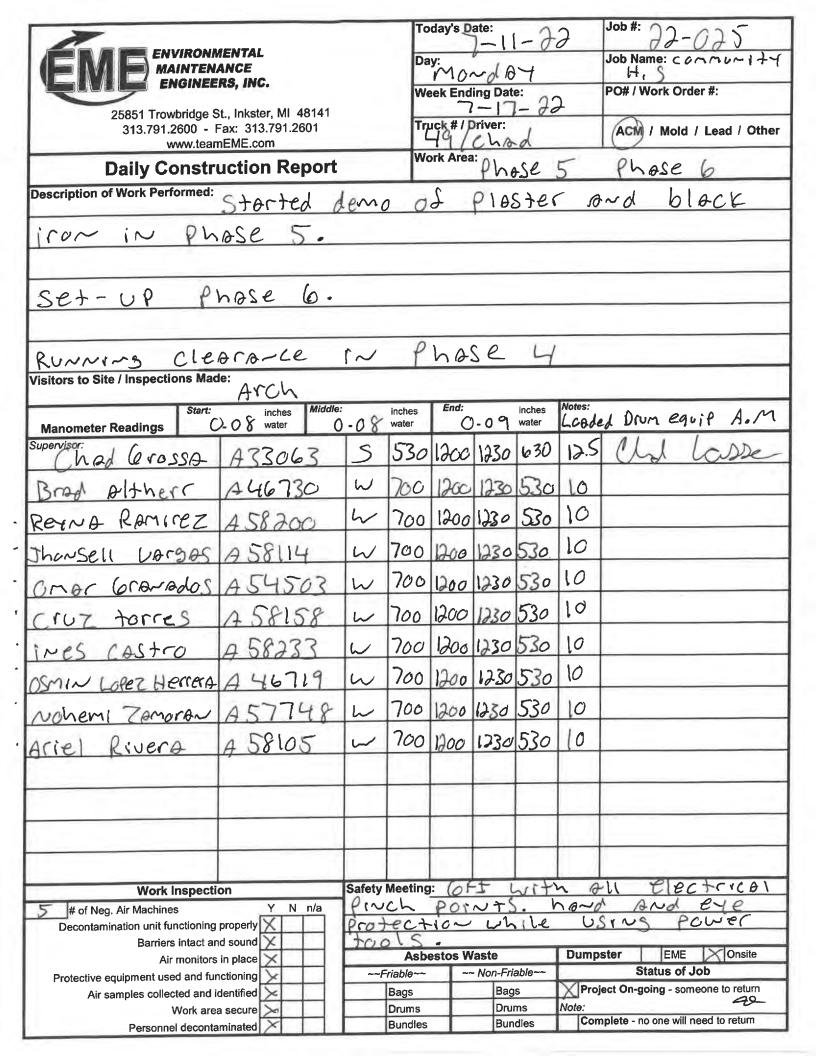


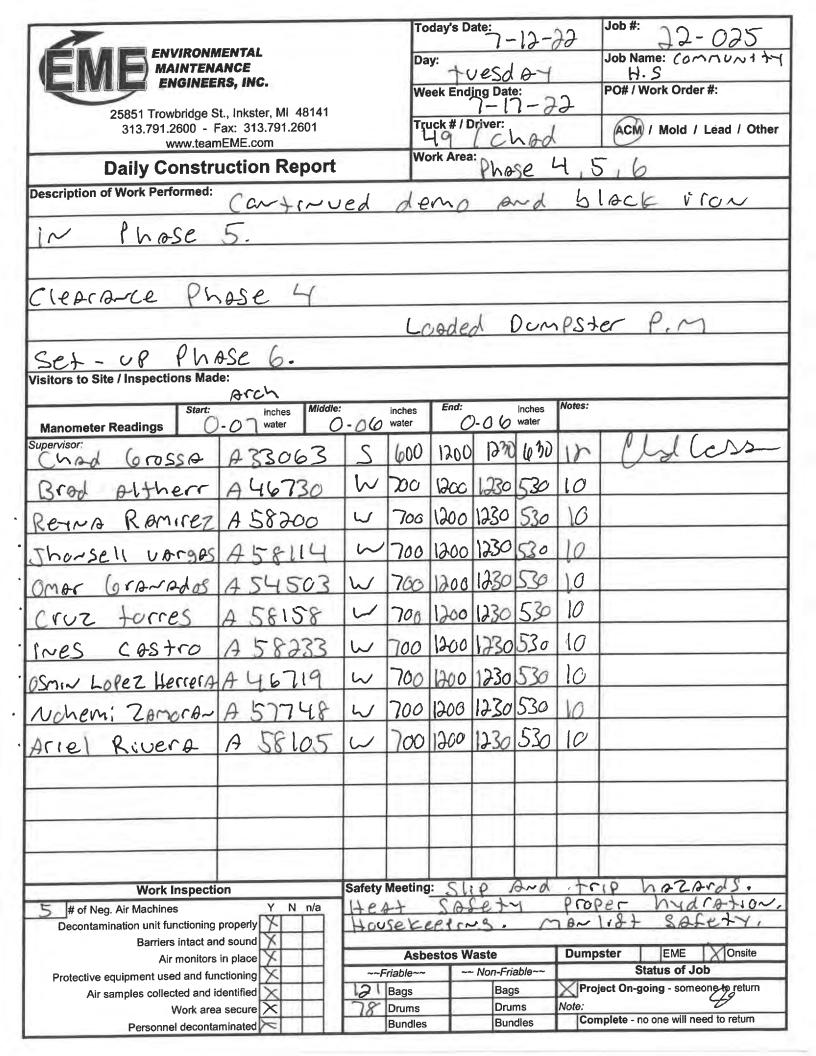
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	Today's Date: 9-72	Job #: 22-025
	Day: SATURDAY	Job Name: Community
	Week Ending Date:	PO# / Work Order #:
	Truck # / Driver:	ACM / Mold / Lead / Other
-		

Daily Const	ruction Re	port		Wo	ork Area	1:				
Description of Work Performed	# Did S	mal	1	gue	110	Cut	01	241	12 €	ach
forol Clea.										
( containme										
C D 1 1 0 1 1 0	ں – در		<u> </u>							
Visitors to Site / Inspections M	lade: +\/i^	, h	NS	UVR	~ <i>/</i>	AM	<b>h</b>			
Stan	t: inches	Middle:		inches	End:		inches	Notes:		
Manometer Readings Supervisor:	OO 6 water		000			1-05		10	POOL	/ AX
Chad Grossa	A3306	23		600	1200			_	Wa	Cassa
Brad Altherr	A 457	30	W	700	1200	1330	330	8		
REYNA RAMISEZ	2 A S&20	00	W	700	1200	1230	330	8		
Thousell varga			w	700	1200	1230	330	8		
omer (osorpolos	12 5451	03	W	700	1200	1230	330	8		
cruz torres	A 5815	8	W	700	1200	1230	330	8		
ines castro			W	700	1200	1230	330	8		
OSMI LOPEZ HELLEN			W	700	1200	1230	330	8		
Nohem! Zamora-	A 577	44	W	1				8		
Ariel Rivera	A 5811	05	W	700	pw	230	330	8		
7(110) 1 11										

Work Inspection	Salety	Meening.	row	EC TO	100	ETT				
# of Neg. Air Machines	ΥN	n/a	et	e pro	tec-	tuca	while	US	ومر	
Decontamination unit functioning properly	X	X Hilti And or Any Power							001	
Barriers intact and sound	X		140	nd P	rot-	ec +vc	~ BS L	119		
Air monitors in place	X			Asbest	os Wast	e	Dumpster	EME	Onsite	
Protective equipment used and functioning	X		~~F	riable~~	~~ Non-Friable~~		Status of Job			
Air samples collected and identified				Bags		Bags	Project On-	going - someo	ne to return	
Work area secure	7-1			Drums		Drums	Note:		A.	
Personnel decontaminated	X			Bundles		Bundles	Complete -	no one will nee	ed to return V	
	_									







25851 Trowbridge St., Inkster, MI 48141

Day: wed resday
Week Ending Date:

Today's Date:

Job Name: community

PO# / Work Order #:

	Fax: 313.791.2601 nEME.com			19 lc				ACM / Mold / Lead / Other		
Daily Constr		rt		ork Area		050	4	Phose 1		
Description of Work Performed:										
Set UB Phi	se 1	For	13	C	U+	00	143	s. After		
Lunch com	pleted	Pha.	se	1	C	le	ara.	rce and		
tear Down										
Set - up pho	2	and.	2	ho	114	04	to	Demo		
Soffits. And		ares.								
Visitors to Site / Inspections Mac	le:									
Start: Manometer Readings	- 09 inches water		inches water	End:	- 08	inches water	Notes:	ded Drums lauif A.M		
Supervisor: Chad Grossa	A33063.	S	530	1200	1230	630	1242	lld loss		
Reyno Rominez	A 58200	W	700	1200	1230	530	10			
Thousell varges		4	700	1200	1230	530	10			
omer Granados	A5450	3 W	700	1200	1230	530	10			
	A 58158	· W	700	1266	1230	530	10			
INES COSTO	A5823	3 W	700	1206	1230	530	0			
OSMIN LOPEZ. Herrera	A46710	2 W	700	1200	1230	530	10			
Nohem: Zamora	A5774	8 W	700	1200	1230	530	10			
Ariel Rivera	A 58105	- W	700	1200	1230	530	10			
							9			
								_		
Work Inspecti	on Y N n/a	Safety N		tica		+ ·	bose	ty Eye		
# of Neg. Air Machines  Decontamination unit functioning		Mel		SUC			Ler	is open		
Barriers intact ar		wh	ile	.1~	U	se				
	in place X			estos W			Dump	ster EME Onsite		
Protective equipment used and fur		4	riable~~		- Non-Fri		V Droi	ject On-going - someone to return		
Air samples collected and i Work are			Bags Drums	-	Bag		Note:	eor on-going - someone to return		
Work are	4	Bundles		_	dles	Complete - no one will need to return				



25851 Trowbridge St., Inkster, MI 48141

Today's Date:	Job #: 22-025
Day: thursday	Job Name: Community
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other

	Fax: 313.791.2601 nEME.com	Chad Personal						ACM / Mold / Lead / Other		
	uction Report		Wo	-ule Anne				d 2 Hallway		
Description of Work Performed:	Continue	1 +	G				7.47	THE RESERVE OF THE PARTY OF THE		
full contai				<u> </u>			W. 7. 12			
+0 W CO~ ) B.	,									
Begon to der	no Sofeit	rs /	2~0	(	CUt	- 0	U1-	<i>د</i> گ		
Visitors to Site / Inspections Mad	le:									
Manometer Readings	inches Middle:	-11	inches water	End:	-10	inches water	Notes:	Jed equip. A.M		
Supervisor:	A 33063	S	600	1200	1230		6	Old losse		
Regna Ramirez	A 58200	W		1200	100	530	10			
Thousell vorses	A 58114	W		1200		530	10			
omer Granados	A 54503	W			1230	530	10			
Cruz torres	A 58158	W	1	100	1230	530	lo			
INES CASTO	A 58233	W		1200		530	10			
OSMIN LOPEZ Herreia		W			1230	530	10			
Nohemi Zamoran	A 57748	W			1230		10			
Ariel Rivera	A 58105	W			1230	1	10			
Brad Alther	A 45730	5	100		1230	(39	6			
Work Inspecti		Safety	Meeting	me	TKIN	0	ure	sofety.		
# of Neg. Air Machines  Decontamination unit functioning	nropedy X N n/a	500	01-	Por	7-1-0	Hea	lev			
Barriers intact an	752		200	ICO	1 6	ard	LS.			
Air monitors				estos W			Dump	- Marile		
Protective equipment used and fur			riable~~	~	- Non-Fri		V Deal	Status of Job ject On-going - someone to return		
Air samples collected and i Work are		128	Bags Drums	+	Bag		Note:	ect On-going - someone to return		
Personnel deconta	×						nplete - no one will need to return			



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601 www.teamEME.com

Today's Date: フー\5-2ユ	Job #: 22-025
Day: Friday	Job Name:
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	(ACM) / Mold / Lead / Other

Work Area: Phase I hallway complete / Phase 2 hallway

### **Daily Construction Report**

Description of Work Perfo	rmed:	Finishe	9	conti	ainme	ent.	book	ed o	of.	all waste,
4	sot-	-up next								
	J 1	U.								
Visitors to Site / Inspection	ns Mad	le:								
	Start:	inches	Middle:		inches	End:		inches	Notes: \	roaded truck AM
Manometer Readings Supervisor:	0	_ 09 water		- 1\	water		- 1.0	water		
			4		0.00			(20	10	No. 1 a
Brad Altherr		A45730		5		1300			15	Mand arkere
Reing Ramirez		A58200		W	700	1200	1930	550	10	
Thonsell Vorges		A58114		W	700	1200	1530	530	10	
Omor Granados		A54503		W	700	1200	1,330	530	10	
Cruz Torres		A58158		W	700	1500	1230	530	10	
Ines Castro		A58233		W	700	1500	uso	539	a	
Osmin Lopez Herrer	ra	A46719		W	760	1200	वस्ध	530	10	
Nohemi Zamorov		A57748		W	700	1200	1330	ଟ୬୬	10	
Ariel Rivera		A58105		4	700	1500	18-30	530	10	

Work Inspection			Safety	Meeting:	Verpring elect	rical cords	elevated		
# of Neg. Air Machines	Υ	N n/a	triplate harards						
Decontamination unit functioning properly	X		sofety glasses, glove, while remains playter						
Barriers intact and sound	X			1			T IEME   Onsite		
Air monitors in place	X		Asbestos Waste Dumpster EME						
Protective equipment used and functioning	X		~~	Friable~~	~~ Non-Friable~~	Status of Job			
Air samples collected and identified	X	10	11	Bags	Bags	Project On-	Project On-going - someone to return		
Work area secure			0	Drums	Drums	Note:	Note:		
Personnel decontaminated	-			Bundles	Bundles	Complete -	no one will need to return		



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601

Personnel decontaminated V

www.teamEME.com

Today's Date: 7-16-22 Job #: 22-025 Day: Saturday Job Name: H.S. Community Week Ending Date: PO# / Work Order #: フー\コーよ } Truck # / Driver: ACM) Mold / Lead / Other Brad / Persona)

Daily Constru	Daily Construction Report Work Area: Phase 2 Hallway									
Description of Work Performed:	Removed	last 6								
								unistrat	to fhish	
Visitors to Site / Inspections Mad	le:									
Manometer Readings Start:	inches M	liddle:	inches water	End:	-10	inches water	Notes:	Loaded equin	mork 4:M.	
Supervisor:								A		
Brad Altherr	A45730	5	6	1500	1330	350	9	Bredly	Ollhin	
Chris Gilson	A37296	W	7	1500	1230	330	8			
Reyna Ramirez	H28300	w	٦	1500	1830	330	8			
Shonsell Vorges	A58114	W	7	1300	1330	350	8			
Omar Granados	A54503	W	٦	1300	1230	330	8			
Cruz Torres	A58158	W	7	1300	1230	330	8			
Ines Castro	A58233	w	7	1300	1230	340	8			
Osmin Lopez Henrera	A46719	W	7	1300	1830	330	&			
Nohemi Zamorov	A57148	W	7	1500	aF61	330	8			
Ariel Rivera	428102	W	٦	1900	१२४०	33%	8			
Work Inspecti	on	Safety	Meeting	3/4	boe and	fall 1	topzord	s when w	alking on poly	
# of Neg. Air Machines Y N n/a  Decontamination unit functioning properly  Barriers intact and sound X			Safety Meeting: The and fall bozords when waking on pol-							
Air monitors	in place X			estos W			Dump			
Protective equipment used and functioning  Air samples collected and identified  Work area secure			Bags Drums		Non-Fria Bage Drur	s ns	Note:	Status of Job Project On-going - someone to return Note: Complete - no one will need to return		

Bundles



Work area secure

Personnel decontaminated

Today's Date: 7-16-22	Job #: 22-025
Day: Monday	Job Name: Community His.
Week Ending Date: 7-13-12	PO# / Work Order #:
Truck # / Driver:	<b>h</b>

Complete - no one will need to return

Bundles

25851 Trowbridge St., Inkster, MI 48141 (CM) / Mold / Lead / Other 313.791.2600 - Fax: 313.791.2601 52/Brad www.teamEME.com Work Area: Hallways **Daily Construction Report Description of Work Performed:** Unistrust Final Tore down the rest of ciety in dascroom hallway. Visitors to Site / Inspections Made: Middle: Notes: Start: inches inches inches 0.08 \_ 0.08 water \_ 00 water - 0.09 water **Manometer Readings** Supervisor: Mud Or 12 630 600 1700 130 5 A45730 Brad Alther 1200 OOF 1230 530 W 10 A36314 Chris Tregloun 120 1230 780 530 10 A 39655 Tony 10 100 1330 530 1200 A56200 W Ramirez Oi' 1200 1230 530 Thousell Vorges 90 A58114 700 1230 1230 530 Ol A54507 V 10 1700 530 A58158 W 700 1230 Cru1 Torres MOD 1230 530 10 A58233 ODF Inei Castro 530 01 Osmin Lopez Herrera Opp 1300 1230 A46719 W 700 M 530 10 1230 A57748 Nohemi Zamaran W A58105 10 1230 530 OF Arial Quera W MADO Safety Meeting: Hung all electrical DTI G ECH **Work Inspection** make sure weather Glasses N n/a # of Neg. Air Machines 1410104 Decontamination unit functioning properly Barriers intact and sound Dumpster EME Onsite **Asbestos Waste** Air monitors in place X Status of Job ~~Friable~~ ~~ Non-Friable~ Protective equipment used and functioning Project On-going - someone to return Bags Air samples collected and identified Bags Drums Drums



25851 Trowbridge St., Inkster, Mi 48141

Personnel decontaminated X

Today's Date: 7-19-11	Job#: 22-025
Day: Tuesday	Job Name: Community H. S
Week Ending Date: 1-13-11	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other

	ax: 313.791.20 EME.com	601		Tru	1ck#/0 51,	Brece	1		ACM / Mold / Lead / Other		
Daily Co	nstri	uction Re	port		Wo	ork Area	: Tore	down	, Itall	was finish phase 3 phase 4	
Description of Work Perfo		Tore don			red?					hallway	
Visitors to Site / Inspectio		le:							Notes:		
Manometer Readings	Start:	- 00 inches water	Middle:	-001	inches water	0.09		inches water	Notes.		
Supervisor:  Brad Altherr  Chris Treglown  Reyna Rammer  Thorsell Vorges  Thorsell Vorges  Cruz Torres  Ther Costro  Osmin Lopez Herre  Nohemi Zamoran		A45730 A36314 A58200 A58114 A54503 A58158 A58 233 A46719 A57748		S 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	700 700 700 700 700 700 700	1300 1300 1300 1300 1300 1300	1230 1230 1230 1230 1230 1230	530 530 530 530 530 530	12 10 10 10 10 10 10 10	Mrsul Osc	
Arrel Bivera		PAS\$105		W	730	No	1,730	530	10		
Work I	nspecti		n/a	Safety	Meeting \ਦ	1.156LV2	step.			e while using	
Decontamination unit functioning properly Barriers intact and sound Air monitors in place Protective equipment used and functioning Air samples collected and identified Work area secure				150	12701	estos W		able~~	Dump	Status of Job sect On-going - someone to return	
Personne	1			Bundles			dles	Con	nplete - no one will need to return		

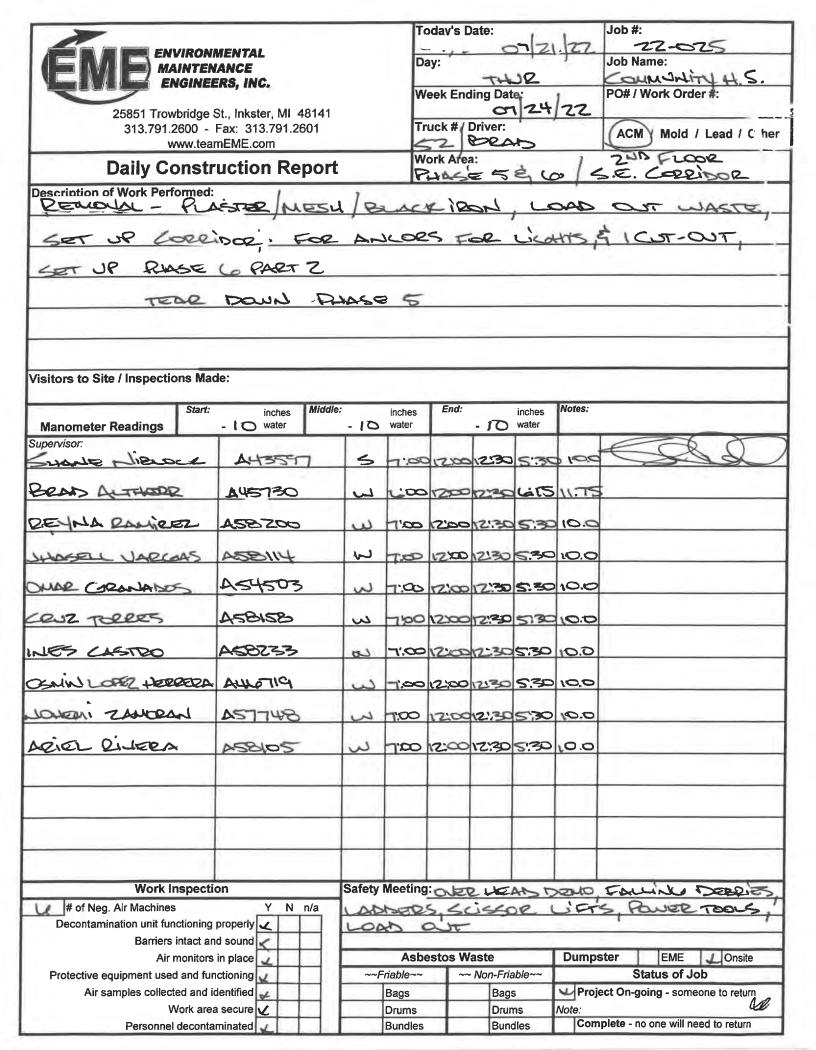


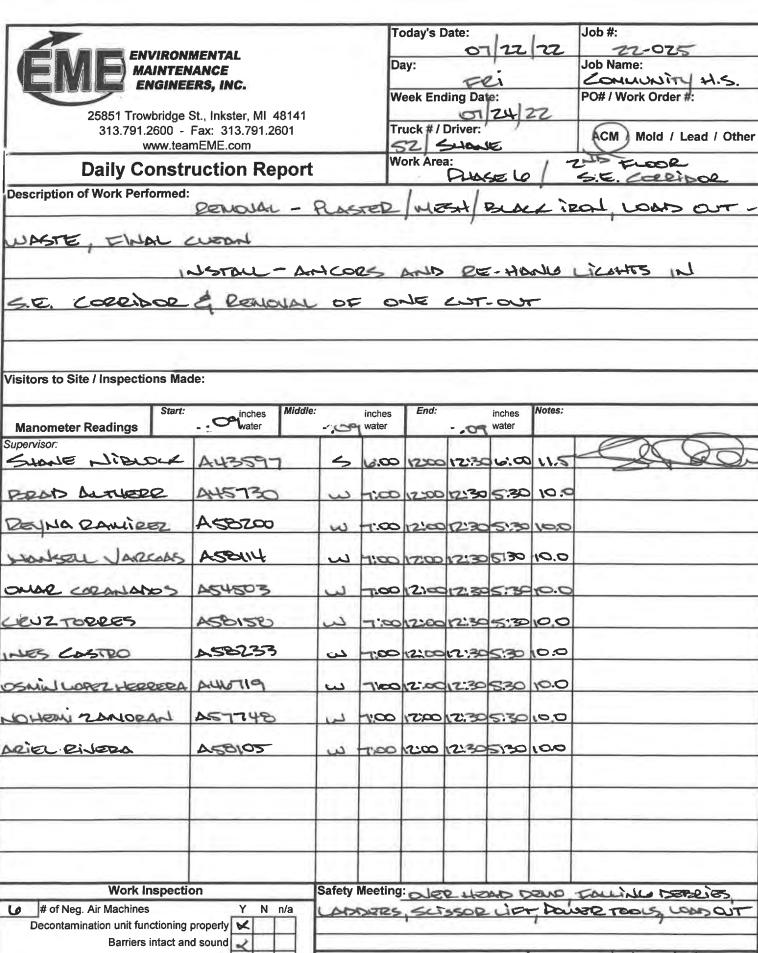
Personnel decontaminated

Today's Date: 7-10-17	Job #: 12-025
Day: Wednesday	Job Name: Community H.S.
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	ACM / Mold / Lead / Other

313.791.26	indge St., inkster, mi 300 - Fax: 313.791.2 w.teamEME.com			ruck #152 13		ACM / Mold / Lead / Other					
	nstruction Re	eport	v	Vork Are	a: Phas	5	got tato	remming telly loaded out			
Description of Work Perfo	rmed:						7	, ,			
Planter ciding all the waste	Created.	Line Mi	orly do	uble (	ocy cr	nd h	oedout	nto dupster			
Visitors to Site / Inspection				End:			Notes:				
Manometer Readings	Start: inches water	Middle:	inches water	Eno.	-	inches water	Motes.				
Supervisor:  Brad Altheri  Chris Treglan  Reyna Ramirez  Thorsell Vorges To  Omar Granados  Ines Castro  Cruz Torres	A45730 A36314 A58200 A58114 A58203 A58233 A58158		700 1 700 1 700 1 700	300  300  300  300  300	1230 1230 1230 1230 1230 1230	630 530 530 530 530 530	b 10 10 10 10	Prod Osh			
Jsmin Lorez Herrorg	A46719	\	1 100	1500	1930	530	10				
Nohemi Zamoran Ariel Rivera	AS7746 1A58105		J 700 J 700	1300 1300	1230	530	0				
# of Neg. Air Machines Y N n/a  Decontamination unit functioning properly  Barriers intact and sound  Air monitors in place X			fety Meetin	-	ne_	\ with	Dump				
Protective equipment used Air samples collecte W	and functioning		~~Friable~  © Bags  Drums		~ Non-Fri Bag Dru Bur	ıs					

Bundles





**Asbestos Waste** Dumpster Air monitors in place EME Onsite ~~ Non-Friable~~ Status of Job Protective equipment used and functioning ~~Friable~~ Project On-going - someone to return. Air samples collected and identified Bags Bags Work area secure Note: Drums Drums Complete - no one will need to return Bundles Personnel decontaminated ox Bundles



25851 Trowbridge St., Inkster, MI 48141 313.791.2600 - Fax: 313.791.2601

Today's Date:	Job #: 22-025
Day: Soturday	Job Name: Community H.S
Week Ending Date:	PO# / Work Order #:
Truck # / Driver:	CM / Mold / Lead / Other
Work Area: O.	1 11 11 11

www.tean			rso ~				7 Word / Lead / Other	
Daily Constru	uction Report		Wo	rk Area	Ph	ose	6.	HALLWAY
Description of Work Performed:								
FIND CLEON	ed Phase	6		(ge -	) î	+	rela	dy for
clearance.								
						W		reclean.
tear down co								Prase 6.
7,100	2+3, Loc			~~ <u>~</u>	_			1 1005 0:
Visitors to Site / Inspections Mad		100			<u> </u>	n d	e	(0 -
	Arch		i Hi				Notes:	
Manometer Readings	inches water		inches water	End:	-	inches water	Notes.	
Supervisor: 6 COSSA	A 33063	5	700	1100	1130	330	8	Old Carsa
Reyno RAMITEZ	A 58200	W		1100			8	
Thousell Harges	A 58114	L		1100			8	
Omer Corpuedos	A 54503	W		1100			8	
cruz torres	A 58 158	W	11 -	1100			8	
INES CASTO	A 58233	w		1100			8	
OSMI LOPEZ HERRERA	A 46719	W	700		1000		8	
Nohemi ZAMOSON		w	700	1100			8	
	A 58105	W	700	(100	1130	330	8	
		7						
Work Inspecti	on	Safety I	Meeting	Prop			Prod	ectson while
# of Neg. Air Machines	Y N n/a	USI	-	Pou	6FI	100	172	All Plecticeli
Decontamination unit functioning Barriers intact ar			8.V.E	epin		- 7	01	
Air monitors	/	11003		estos W			Dump	
Protective equipment used and fur	F	~~F	riable~~		Non-Fri	able~~	1	Status of Job
Air samples collected and i	dentified		Dago				ject On-going - someone to return	
Work are	a secure X		Drums Bundles		Dru Bur	ms idles	Note:	nplete - no one will need to return





Today's Date/Day: S(M)T W T F S 57 25 22 Week Ending Date:

22-025 Job Name:

Job#:

Truck #/Driver: / Susale

Comments:

ACM ) Mold / Lead / Other

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com

Work Area: CUT OUTS I PHASE 123

#### **Daily Construction Report**

25851 Trowbridge St., Inkster, MI 48141

General Work Description: The type of a					nt condu	icted:	Se	Set-up procedures conducted:								
	N n/a	1			Y	N n/a						_	N n/a			
ACM Pipe/Fitting		1		Ren	noval			Signs/Banner Tape 🕢								
ACM Boiler/Tanks/Breeching	+	1	E	ncapsul	ation 🗸	12 (1)	1	Criticals Set-up								
ACM Acoustical Ceiling	$\vdash$			Patch/Repair				Full/Mini Enclosure								
ACM Ceiling Tiles/Glue Pods		1	Glove-bag Removal						Ply	wood 2"x	4" Structures		11			
VAT Mastic Carpet	$\overline{}$	1		Encl		I I I Fall				AFD's S	et-up Vented	4				
Transite Siding/	$\vdash$	1 1	Removal/Replacement						Iso	lation of H	VAC system	L				
Insulation/Vermiculite		l u	BP Remo	Removal Chemical					P	oly Walls I	Floors Drops					
Lead Based Paint	$\overline{}$	L.	<del>SD</del> HEPA	Power	Tools 🕰		1		Portabl	e/Full Dec	on Chamber					
Mold Remediation	$\overline{}$		Dr	y Ice Bla	sting		1			Water Sy	stem Set-up	4				
Industrial/Universal Waste	-	Aggi	ressive H				1 1		Electri	ic GFCl's/	Temp. Panel	De				
Other RASSED K		1 33		e Demo			1		Scaffo	ld/Bakers/	5'x7'/Manlift					
Personal protective equipment	10000	Clean-	up activ	ities:		1000	Ins	spection	s:							
	N n/a	- Jonata	ap dout		Y	N n/a				Machines		Υ	N n/a			
	100		Gross/F	inal Clea	n-up 🔽						t And Sound	K				
Respiratory protection Half-Face/Full-Face/PAPR's	+	1			vities 2		1 1				er Inspection	$\overline{}$				
Disposable Suits	_			ants/Lec			1 1				e PPE Used					
Steel Toe/Rubber Boots	_	Wet Me	thods IA				1 1		Ele		fety In Place	-				
Gloves Rubber/Cotton &	_		PA Vacuu		_		1 1				Site Review					
	+		Equip./T				1 1			•	E Monitoring	4	$\neg$			
Safety Glasses/Full Face	+	T ^"		nal Lock			1 1		Consu	Itant/Supe	rvisor Visual	4				
Hard hats/Hearing Protection		1			down 👱		1			-	ontaminated	_	$\top$			
Fall Protection	-	l					1 1				cted/Secure	-	+			
Scaffold Safety Rails/Manlift		FIN	al Worksi	te wark-	Thiu		Viewel	Tection		لكحل		-				
Consultant Firm:	1.1							_	-0.7		~					
Representative Name: THI		inahaa	Balatalla		inches	End:	Accred	ditation inches	Number			_				
Manager Bondings Start		inches	Middle:			Elia.	11.		1,0,00.							
Manometer Readings I	11	water		- , 11	water		- 411	water				_				
Manometer Readings	11	water		Class	Time	Time	Time	Time	Total	15		4				
Employee Name		water Accred.	#		the desired	Time Out		THE REAL PROPERTY.	Total Hrs	E	mployee Si	gnat	ure			
Employee Name			#	Class	Time		Time	Time	1 2	E	mployee Si	gnat	ure			
Employee Name Project Manager:			#	Class	Time		Time	Time	1 2	E	imployee Si	gnat	ure			
Employee Name Project Manager:			#	Class	Time In	Out	Time In	Time Out	Hrs	E	imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:			#	Class	Time In	Out	Time In	Time	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager:		Accred.	#	Class	Time In	Out	Time In	Time Out	Hrs	E	imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	Aut	Accred.	#	Class	Time In	Out	Time In	Time Out	Hrs	E	imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	Aut	Accred.	#	Class	Time In	Out	Time In	Time Out	Hrs	E	imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	Aut	Accred.	#	Class	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si	gnat	ure			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		imployee Si		2			
Employee Name Project Manager: Supervisor:  Supervisor:	ASS	Accred.	#	Class S/W	Time In	Out	Time In	Time Out	Hrs		EME.		nsite			
Employee Name Project Manager: Supervisor:  Supervisor:	ASS	Accred.	#	S/W	Time In	Out	Time In	Time Out	Hrs	ester	3		2			
Employee Name Project Manager: Supervisor:  Supervisor:	ASS	Accred.	#	S/W	Time In	Out	Time In	Time Out	Hrs 10.0	ester Si	EME tatus of Joh		nsite			
Employee Name Project Manager: Supervisor:  Supervisor:	ASS	Accred.	#	S/W	Time In	Out	Time In	Time Out	Hrs  11:TS  10:0  10:TS	ester Si	EME		nsite			
Employee Name Project Manager: Supervisor:	ASS	Accred.	#	S/W	Time In	Out	Time In	Time Out	Dump Proj	ster Si	EME tatus of John bing - someo	o o o o o o o o o o o o o o o o o o o	nsite			
Employee Name Project Manager: Supervisor:  Supervisor:	ASS	Accred.	#	S/W	Asberiable~~	Out	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	Time Out	Dump Proj	ster Si	EME tatus of Job	o o o o o o o o o o o o o o o o o o o	nsite			



25851 Trowbridge St., Inkster, MI 48141 791 2600 Fax: 313.791.2601 www.fea www.teamEME.com

Today's Date/Day: S M T W T F S 01/20/22 Job#: Job Name: Week Ending Date: SHUMITY HIS Truck #/Driver: ACM / Mold / Lead / Other 52 SHOWE Work Årea:

25851 Trowbridge Voice: 313.791.2600 Fax: 31	Phone 392										
	ruction Repo	rt	Comments:								
General Work Description:		f abatement o			Set-up procedures conducted:						
ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Transite Siding/ Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste Other  Personal protective equipment:  **Y N  Respiratory protection Half-Face/Full-Face/PAPR's Disposable Suits Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection Fall Protection Scaffold Safety Rails/Manlift  Consultant Firm:	Rem LBP R LBP H Aggressi Se Clean-up a n/a Gro L Su Wet Method HEPA V All Equ	Remov Encapsulation Patch/Repa love-bag Remov Enclosul oval/Replaceme Removal Chemic EPA Power Too Dry Ice Blastir ve Hand Cleanir lective Demolitio	Y N ral re	n/a n/a	sual/	Testing	Signs/Banner Tape Criticals Set-up Full/Mini Enclosure Plywood 2"x4" Structures AFD's Set-up Vented Isolation of HVAC system Poly Walls Floors Drops Portable/Full Decon Chamber Water System Set-up Electric GFCl's/Temp. Panel Scaffold/Bakers/5'x7'/Manlift  Pons: Of Neg. Air Machines Barriers Intact And Sound DECON/Shower Inspection Employee PPE Used Electrical Safety In Place OSHA Inspection Site Review Consultant/Supervisor Visual Personnel Decontaminated Work Area Inspected/Secure				
Representative Name: Start:	inches Mid	Idle: - Oo wa		nd·	~	inches water	Notes:				
Employee Name Project Manager:	Accred. #		ime Ti	me T	ime In	Time Out	Total Hrs		Employee	Signa	ture
Supervisor:  Super Nieswork  ERIL RICHARDSON  LEWING DOLLARS	A475577 A57463	T Lw	00 17	00 17	2000	UN30	9.0			6	Se
Safety Issues: Power TEO	LS SLIP TRI	> ~~Frial			on-Fria		Dump	S	EME Status of J	ob	Onsite o return





S M T(W)T F S 07 27 22 Week Ending Date:

Job #:

22-025 Job Name:

Truck #/Driver: 52/Sus

Comments:

Today's Date/Day:

(ACM ) Mold / Lead / Other

25851 Trowbridge St., Inkster, MI 48141 Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com Work Area: PLUSE LO

# Daily Construction Papart

N   n/a	The type of abatement conducted:  Y N n/	Y N n/
ACM Pipe/Fitting	Pamayai	
	Removal	Signs/Banner Tape
	Encapsulation	Criticals Set-up
ACM Acoustical Ceiling	Patch/Repair	Full/Mini Enclosure
CM Ceiling Tiles/Glue Pods	Glove-bag Removal	Plywood 2"x4" Structures
VAT Mastic Carpet	Enclosure	AFD's Set-up Vented
nsite Siding/	Removal/Replacement	Isolation of HVAC system
Insulation/Vermiculite	LBP Removal Chemical	Poly Walls Floors Drops
Lead Based Paint	LBP HEPA Power Tools	Portable/Full Decon Chamber
Mold Remediation	Dry Ice Blasting	Water System Set-up
Industrial/Universal Waste	Aggressive Hand Cleaning	Electric GFCI's/Temp. Panel
Other PLOSER &	Selective Demolition	Scaffold/Bakers/5'x7'/Manlift -
sonal protective equipment:	Clean-up activities:	Inspections:
Y N n/a	Y N n/s	
Respiratory protection	Gross/Final Clean-up	Barriers Intact And Sound
alf-Face/Full-Face/PAPR's	Load Out Activities	DECON/Shower Inspection
Disposable Suits 🗸	Surfactants/Ledizolv 🚄	Employee PPE Used 🗸
Steel Toe/Rubber Boots	Wet Methods IAQ Shockwave	Electrical Safety In Place
Gloves Rubber/Cotton	HEPA Vacuum Sequence	OSHA Inspection Site Review
Safety Glasses/Full Face 🕊	All Equip./Tools Cleaned	Consultant/EME Monitoring 🗸
rd hats/Hearing Protection	Final Lockdown	Consultant/Supervisor Visual
Fall Protection	Work Area Teardown	Personnel Decontaminated 🛩
caffold Safety Rails/Manlift	Final Worksite Walk-Thru	Work Area Inspected/Secure Visual/Testing:

Representative Name: inches Notes: inches End: Middle: Start: **Manometer Readings** water water water Time Time Time Total Time Class Out Hrs **Employee Signature** Out Accred. # S/W In **Employee Name** 

Project Manager: Supervisor: 7:00 17:00 17:30 4:30 9:0 1.00 12:00 12:30 4:30 9 D EME Onsite **Asbestos Waste Dumpster** 

Status of Job ~~Friable~~ ~~ Non-Friable~~ SUP TELP HAZ OTHERTRANS Project On-going - someone to return Bags Bags Note: Drums Drums Complete - no one will need to return Bundles Bundles

I certify area has been visually inspected, all equipment is off site and there is no debris or other materials left.

Ø)





25851 Trowbridge St., Inkster, MI 48141 Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com

Today's Date/Day: S M T W ர S ப Week Ending Date:

PHUSE (

22-025

Job Name:

Job #:

Community ACM / Mold / Lead / Other

Truck #/Driver: 52/ Summe Work Area:

Comments:

Daily Construction Report						Comments:									
General Work Description:		46	pe of ab	atemer	t condu	cted:	Se	Set-up procedures conducted:							
Contract to the December 1	Y N n/s				Υ	N n/a					Y	N	n/a		
ACM Pipe/Fitting		7		Ren	noval		] [			Signs/Banner Tape	_				
ACM Boiler/Tanks/Breeching			E	Encapsul	ation 🛌					Criticals Set-up	-				
ACM Acoustical Ceiling		7		Patch/R	epair					Full/Mini Enclosure	-	_			
ACM Ceiling Tiles/Glue Pods		3 1	Glove-	bag Ren	noval		1		Ply	wood 2"x4" Structures					
VAT Mastic Carpet		] [		Enclo			4 1			AFD's Set-up Vented	_				
Transite Siding/			Removal/		_		1 1			ation of HVAC system					
Insulation/Vermiculite			BP Remo				4 1			oly Walls Floors Drops e/Full Decon Chamber	_		-		
Lead Based Paint		]   '	BP HEPA				1 1		Ропари	Water System Set-up		-			
Mold Remediation		4 1 .	_	y Ice Bla		$\vdash$	- 1		Electric	c GFCl's/Temp. Panel					
Industrial/Universal Waste	Aggressive I					-	1			ld/Bakers/5'x7'/Manlift	L				
	Selective equipment: Clean-up act				iluori		lu.	ana atlan		ar Bakoro, o xi iniamint			_		
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	Y N n/a	a	Connell	inal Clea		IV II/a		# U	_	riers Intact And Sound	_				
Respiratory protection		- 1 - 1		Out Activ	-		1 1			ON/Shower Inspection	_		$\Box$		
Half-Face/Full-Face/PAPR's		- 1		tants/Led	-	$\vdash$	1		520	Employee PPE Used					
Disposable Suits Steel Toe/Rubber Boots		Wet Me	thods IA		_	$\vdash$	1 1		Ele	ectrical Safety In Place					
Gloves Rubber/Cotton			PA Vacuu				1 1			nspection Site Review		17			
Safety Glasses/Full Face	$\rightarrow$		Equip./T	-	_		1			ultant/EME Monitoring	1				
Hard hats/Hearing Protection	_	1 1 /"		nal Locko	-		1			tant/Supervisor Visual	_				
Fall Protection		1 1		rea Teard			1		Perse	onnel Decontaminated	d				
Scaffold Safety Rails/Manlift	++	f   Fin	al Worksi	-	-		1		Work A	Area Inspected/Secure	2	I			
Consultant Firm: Agus							Visual	/Testing	: AXE	JUSUAL					
	HINH							ditation							
TO STOCK THE STO	Start:	inches	Middle:		inches	End:		inches	Notes:						
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				Class	Time	Time	Time	Time	Total Hrs	Employee S	ians	atrier	Δ.		
Employee Name		Accred.	#	S/W	In	Out	In	Out	fila	Employee o	giie	atur.			
Project Manager:															
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Supervisor:		٨ (>		_				6:30	, «		20	7	1.		
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Chee Harry		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Bags		Bag	os	∠ Pro	ect On-going - someo	ne to	o ret	urn		
									Note:						
					Drums	-	_	ims adles		nplete - no one will nee	ed to	retu	rn		
					Bundles		_	ndles		<u> </u>		. 5.0			
I certify area has been visu	ally insp	ected, all ed	quipmer	nt is off	site and	there	is no d	ebris or	other n	naterials left.		-	)		
Signature:											/	11	£		
Signature:											U	0			



-	Today's Date/Day: S M T W T F S C 7 22 22	Job#: 22-025
EME ENVIRONMENTAL 25 % MAINTENANCE	Week Ending Date:	Job Name:
ENGINEERS, INC.	Truck #/Driver:	ACM Mold / Lead / Other
25851 Trowbridge St., Inkster, MI 48141 Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com	Work Area:	MAIN OFFICE

General Work Description:  The type of abatement conducted:  ACM PiperFitting ACM Acount PiperFitting ACM BotterTanks/Breaching ACM BotterTanks/Brea	Daily Construction Report						Comments:									
ACM PiperFitting ACM Boiler/Tanks/Breeding A			-		oatemer	nt condu	ucted:	Se	t-up pro	ocedures						
ACM PopeFiling  AM Acustical Celling  Amount Celling  Agressive hand Cleaning  Agressive hand Cl		J n/a	1.0.5 37.			Y		a	•		Y N n/a					
Encapsulation   Citicals Set-up   Citicals Set					Ren	noval 😽										
ACM Acquestred Celling ACM Ceiling Tiles (Clare) ACM Ceiling Tiles (Cl				ľ	Encapsul	lation		1								
ACM Celling Tiles/Glue Pods   Van Mapito Carpet   Renousure   Re								1								
## AFD's Set-up Vented ##   Enclosure   Removal/Raplacement   Isolation of HVAC system &   Isolation of HVAC system Set-up &   Isolation industrial/hiversal Waste System Set-up &   Isolation of HVAC system Set-up &   Isolation industrial/hiversal Waste System Set-up &   Isolation indus				Glove		_		1		wood 2"x4" Structures						
Transite Siding/ Insulation/vermiculite Lead Based Paint Mold Remediation Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Aggressive Hand Cleaning Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Selective Demoilloin Selective Certification Industrial/unversal Waste Dry to Blasting Dry to Respiratory protection Industrial/unversal Waste Decon Namines Selective Certification Industrial/unversal Waste Dry to Blasting Dry to Respiratory protection Selective Demoilloin Selective Demoilloin Selective Demoilloin Dry to Respiratory Dry to Resp					_			1								
Lead Based Paint   Lead Based			1	Removal	/Replace	ment		1		Isola	ation of HVAC system 📈					
Lead Based Paint   Mold Remediation   Mold Remedi		+				_		1		Po	oly Walls Floors Drops					
Mold Remediation   Mold Remedi		+			•			1								
Industrial Universal Waste   Aggressive Hand Cleaning   Selective Certification   Aggressive Hand Cleaning   Selective Demolition   Scaffold Bakers 15 x7 Manift   Selective Demolition   Scaffold Bakers 15 x7		+						1			Water System Set-up					
Selective Demolition   Selective Personal protective equipment:   Clean-up activities:   Inspections:   Y N n/a   Respiratory protection   Y N n/a   Gross/Final Clean-up   Fig.   Fig		+-	Agg		-			1		Electric	c GFCI's/Temp. Panel					
Respiratory protection Respiratory Respira		$\Box$									d/Bakers/5'x7'/Manlift					
Respiratory protection   Half-Face/Full-Face/FAPR's   Load Out Activities   Load Out Act	Personal protective equipment:		Clean-	up activ	vities:						W N -/-					
Half-Face/Full-Face/Face/Face/Face/Full-Face/Face/Face/Face/Face/Face/Face/Face/		n/a				_	-		# 0							
Half-Face/Full-Face/FAPR'S   Composable Suits   Disposable Suits   Steel Toe/Rubber Boots   Cloves Rubber/Cotton   Cloves Rubber/Consultant/Supervisor Visual   Cloves Review   Consultant/Supervisor Visual   Cloves Review   Consultant/Supervisor Visual   Cloves Rubber/Consultant/Supervisor Visual   Cloves Rubber/Consultant/Supervisor Visual   Cloves Rubber/Consultant/Supervisor Visual   Cloves Rubber/Consultant/Supervisor   Consultant/Supervisor   Cons	Respiratory protection					-										
Steel ToeRubber Boots   Class Rubber Cotton   Safety Rails/Manifit   Surfactants/Ledizon   Wet Methods IAQ Shockway   Wet Metho							-	1		DECC						
Steel Toe/Rubber Boots						] [			-							
Safety Issues:  Al Equip / Tools Cleaned		thods IA	Q Shock	wave 🖊		] [			<b>————</b>							
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Hard hats/Hearing Protection   Final Lockdown   Work Area Teardown   Personnel Decontaminated   Work Area Teardown   Personnel Decontaminated   Work Area Inspected/Secure   V			All	Equip./T	Tools Cle	aned 🛩		] [			1					
Fall Protection Scaffold Safety Rails/Manifit   Final Works/rea Teardown   Work Area Inspected/Secure				Fir	nal Lock	down		] [		Consult	tant/Supervisor Visual					
Scaffold Safety Rails/Manlift  Consultant Firm:  Consultant Firm:  Representative Name:  Start:  Inches water  Middle:  Water  Class Time Time Time Time Time Time Time Time				Work A	rea Team	down 🔍		1		Perso	onnel Decontaminated <					
Consultant Firm: ARCH Representative Name: Start: Inches water Inches water S/W In Out In Out Hrs Employee Signature  Employee Name Accred. # S/W In Out In Out Hrs Employee Signature  Froject Manager: Supervisor: Supervisor: Supervisor: ASSIAND A		+	Fin					1		Work A	rea Inspected/Secure   ✓					
Representative Name:  Manometer Readings  Start: inches water water water  Employee Name  Accred. # Class Time Time Time Time Total Hrs Employee Signature  Project Manager:  Supervisor:  Supervisor:  ASTAGE  ASTAGE								Visual	/Testing							
Manometer Readings   Start:   Inches   water		ac.								Number	,					
Employee Name  Accred. # S/W In Out I'me Time Total Hrs Employee Signature  Project Manager:  Supervisor:  AST296  AST296  AST296  AST296  ASS287  Asbestos Waste  Dumpster Fieble  In Out Hrs Employee Signature  Employee Signature  Dumpster Fieble  In Out Hrs Employee Signature  Employee Signature  Employee Signature  Employee Signature  Employee Signature  Employee Signature  Dumpster Fieble  In Out Hrs Employee Signature  Employee Signature  Employee Signature  Employee Signature  Employee Signature  Non-Frieble  In Out Hrs Employee Signature  Employee Signat	Start:			Middle:		0.0	End:			Notes:						
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Safety Issues:  ASTRAIG  ASTRA	2 facus	-						-			MAN					
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Safety Issues:  Asbestos Waste  Dumpster  EME  Insite  Status of Job  Drums  Dr	1-1-1-1-1-10	A-	جمادالة			7.00	11:00	1020	41:00	25						
Safety Issues:  Asbestos Waste  Dumpster  EME Insite  Project On-going - someone to return  Drums  Drums  Drums  Drums  Bundles  Bundles  Complete - no one will need to return	Count 1200 mis	425	7447			1	11,700									
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Today's Date/Day: Week Ending Date:

Truck #/Driver:

Job Name:

Arch Comma

Job#:

ACM / Mold / Lead / Other

25851 Trowbridge St., Inkster, MI 48141

Work Area:

Voice: 313.791.2600 Fax: 313.791.2601 www.teamEME.com							1	7(0	N C	100	<u> </u>	11		-	
Daily Constr	uctio	n Rep	ort		Co	Comments: 5 Conta, n monts, 05 pc								2015	
General Work Description:		The type	e of ab	atemen	t condu			t-up pro	cedures	cond	ucte	f:			
ACM Pipe/Fitting ACM Boiler/Tanks/Breeching ACM Acoustical Ceiling ACM Ceiling Tiles/Glue Pods VAT Mastic Carpet Transite Siding/Acm did V Insulation/Vermiculite Lead Based Paint Mold Remediation Industrial/Universal Waste Other  Personal protective equipment:	n/a	LB LBI Aggre	Glove- emoval// P Remo P HEPA Dry essive Has Selectiv p activ	ncapsuli Patch/Ro pag Rem Enclo Replacer val Cher Power To I ce Blas and Clea re Demo	epair loval sure ment nical fools sting ning lition  Y n-up Vities	N n/a	Ins	spection # of	Isolo Portable Electric Scaffol ss: F Neg. Air Barr DECO	Full/wood 2' AFD's ation of oly Wall: e/Full Do Water so GFCI' d/Baker Machiniers Into	Critical Mini E  Vx4" S  Set-up  HVAC  S Floo  econ ( System  s/Tem  rs/5'x7  es  act An  wer In  yee Pl	n Set-up p. Pane '/Manlift d Sound spection		N	
Steel Toe/Rubber Boots Gloves Rubber/Cotton Safety Glasses/Full Face Hard hats/Hearing Protection Fall Protection Scaffold Safety Rails/Manlift  Consultant Firm:		All E	A Vacuu Equip./Te Fin Work An I Worksi	m Seque ools Clea al Lockd ea Teard	ence V aned V lown V	/		/Testing ditation	OSHA li Consul Perso Work A	nspection ultant/E tant/Sup onnel Do area Ins	on Site ME Mo pervise econta	In Place Review onitoring or Visua minated I/Secure	VAN		
Manometer Readings Start:		inches water	Middle:		inches water	End:	- Time	inches water Time	Notes:						
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I certify area has been visually inspected, all equipment is off site and there is no debris or other materials left.

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