



healthAIR - Industrial Hygiene Services cleanWATER - Consulting & Testing Services safeEARTH - Hazardous Waste & Recycling Services

November 15, 2021

Mr. Bernie Rice Executive Director, Physical Properties Ann Arbor Public Schools 2555 South State Street Ann Arbor, Michigan 48104

RE: Project #AE210780

Asbestos Abatement Report Community High School

Dear Mr. Rice:

Per your request, Arch Environmental Group, Inc. (AEG) conducted project coordination and air monitoring activities for a small-scale, short duration asbestos abatement project at Community High School on October 29 - November 1, 2021. Environmental Maintenance Engineers, a State of Michigan licensed asbestos abatement contractor, drilled anchor holes in asbestos ceiling plaster throughout the 1st Floor and North Hallway. The asbestos ceiling plaster was removed using Class II procedures and wet methods inside of a full negative enclosure. The asbestos ceiling plaster was properly disposed of as asbestos waste.

AEG conducted air monitoring during abatement activities during the abatement activities. The collected air samples have been analyzed utilizing Phase Contrast Microscopy (PCM) in accordance with NIOSH 7400 Methodologies. AEG uses the following nomenclature for referencing different types of air samples:

- FB Field Blank
- SS Set Up Sample
- AS Area Sample
- PS Personal Sample
- PA Clearance (Post-Abatement) Sample

Following a thorough visual inspection of the project area, the PCM clearance samples collected in the 1st Floor and North Hallway at Community High School on October 29 - November 1, 2021, were analyzed below the AHERA PCM Clearance Level of 0.01 fibers per cubic centimeter (f/cc). The project areas shall be considered safe for reoccupancy.

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

Project #AE210780

Asbestos Abatement Project Report Ann Arbor Public Schools Community High School Page 2

Sincerely,

Arch Environmental Group, Inc. Environmental Services

Gary Bosh

Project Consultant II, healthAIR

Attachments: Asbestos Daily Project Reports

Contractor Documentation

File: AE210780



Attachment

Asbestos Daily Project Reports





ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Client: Ann Arbor Public Schools

Building: Community High School

Location: First Floor Project #: AE210780 Date: 10.29.2021 Consultant: Arch Environmental Group, Inc.

> Project Technician: Thinh Nguyen Abatement Contractor: <Select> Competent Person: Shane

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:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Yes	
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Below	
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Yes	
Repair:	No	Corrections necessary:	Yes	Above/Below PEL:	Below	
Enclosure:	No	Corrections made:	Yes	Above/Below STEL:	Below	
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Yes	
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	Yes	
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	Yes	
Conducted by: <x></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: <x></x>		Dumpster secure at end of day:	Yes			
Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:		
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Timothy Casey		
		Type:	HFNPR	A worker/workers who is/are representative o	f 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)		
Non-Friable Project		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	
AFDs used:	Yes	Time (P.M.): <##:## p.m ##:	## p.m.>	OSHA Personal Sampling Posting:		



ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools

Building: Community High School

Location: First Floor AE210780 Project #:

Date: 10.29.2021

Consultant:

Type:

Training:

Fit test:

PWO:

Type:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen Abatement Contractor: <Select> Shane

Competent Person:

Abatement Personnel Information

Abatement Personnel Information

Materials Abated - Quantity & Location

Workers ,	/ Accreditation	Numbers
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Shane Niblock Type: Supervisor Name: A43597 Training: 10/21/2021 Accred #: 12/18/2021 Fit test: 7/15/2021 Exp. Date: PWO: 6/24/2021 Supervisor Activity:

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

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

Timothy Casey Type: Supervisor Name: A49184 Accred #: Training: 7/20/2022 Exp. Date: Fit test: Removal of misc. NF PWO: Activity: PS1

Bradley Altherr Name: A45730 Accred #:

Personal #:

6/4/2022 Exp. Date: Removal of misc. NF Activity: PS1 Personal #:

Type: Supervisor

Type: Worker Training: Fit test: PWO:

Workers / Accreditation Numbers

Name: Accred #: Exp. Date: Activity: Personal #:

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

Name:

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

Personal #:

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

Material sf/lf/# Locations Other Class II 10 First 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?

No



Location:

Project #:

ASBESTOS DAILY PROJECT REPORTS Air Sample Analysis Information

Client: Ann Arbor Public Schools

Building: Community High School

First Floor AE210780 Samples Collected By: Sample Collection Date: Samples Analyzed By: Thinh Nguyen 10.29.2021 Thinh Nguyen

Sample Analysis Date: 10.29.2021

Sample ID	Sample Location		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.						1.91	
SS1	in hallway outside rm 111	6:15 PM	150	8.035	1205	0.004	14.01	
331		8:45 PM					14.01	
SS2	in hallway outside rm 115	6:15 PM	150	8.580	1287	0.006	24.20	
332		8:45 PM	130			0.000	24.20 I	
AS1	outside decon shower	9:00 PM	120	8.580	1030	0.003	9.55	
A31		11:00 PM	120	6.360		0.003	3.55	
AS2	Incide temp, construction storage by critical wall	9:00 PM	120	8.035	964	0.005	16.56	
ASZ	Inside temp. construction storage by critical wall.	11:00 PM	120				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: Sample Collection Date: 10.29.2021 Community High School Location: First Floor Samples Analyzed By: Thinh Nguyen AE210780 Sample Analysis Date: Project #: 10.29.2021

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
PS1 Series Timothy Casey		9:00 PM	120	2.0	240	0.057	
		11:00 PM	120	2.0	240	0.014	*
Activity:	removing plaster from walls and installing anchors on ceiling		T		T		
PS1	Timothy Casey	9:00 PM	30	2.0	60	0.100	19.75
P21		9:30 PM			80	0.108	19.75
PS1R1	Timothy Casey	9:30 PM	90	2.0	180	0.040	21.66
		11:00 PM					21.00

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:

ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Arch Environmental Group, Inc.

OSHA Personal Sampling Posting:

Yes

Client: Ann Arbor Public Schools Date: 10.30.2021 Consultant:

Yes

Community High School Project Technician: Thinh Nguyen

Building: Environmental Maintenance Engineers, Inc. Location: First Floor Abatement Contractor:

Project #: AE210780 **Competent Person:** Shane Niblock

Abatement Information		Regulated Area Information		Air Sample Information			
OSHA Work Class	II	Enclosure Integrity Check (start of work shift):	Yes	Air samples collected:	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)	Ye		
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:	Yes	Above/Below PEL:	Belov		
Enclosure:	No	Corrections made:	Yes	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)	Ye		
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	Ye		
Conducted by: <x></x>		Conducted by: <x></x>		Aggressive:	Ye		
# 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: <x></x>		Dumpster secure at end of day:	Yes				
Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:			
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Patrick O'Doyle			
		Type:	HFNPR	A worker/workers who is/are representative of all we			
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)			
Non-Friable Project		Type:	HFNPR				
			Required Po				
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.>



ASBESTOS DAILY PROJECT REPORTS Contractor and Materials Information

Client: Ann Arbor Public Schools

Building: Community High School

Location: First Floor
Project #: AE210780

Date: 10.30.2021

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: 10/21/2021

 Exp. Date:
 12/18/2021
 Fit test: 7/15/2021

 Activity:
 Supervisor
 PWO: 6/24/2021

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

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

Personal #: PS1

Name: Christopher Gibson Type: Supervisor

Accred #: A37296 Training:

Exp. Date: 11/12/2021 Fit test:

Activity: Removal of misc. NF PWO:

Personal #: PS1

Type: Worker

Training:

Fit test:

PWO:

Name: Bradley Altherr
Accred #: A45730
Exp. Date: 6/4/2022
Activity: Removal of misc. NF

Personal #: PS1

Workers / Accreditation Numbers

Name: Erik Richardson
Accred #: A52487
Exp. Date: 6/5/2022

Activity: Removal of misc. NF

Personal #: PS1

Name:
Accred #:
Exp. Date:
Activity:
Personal #:

Name:
Accred #:
Exp. Date:
Activity:
Personal #:

Name:
Accred #:
Exp. Date:
Activity:
Personal #:

Type: Supervisor

Training:

Fit test:

PWO:

Type: Training:

Fit test:

PWO:

Type:
Training:
Fit test:
PWO:

Type: Training: Fit test: PWO: Material sf/lf/# Locations
Other Class II First 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?

No



ASBESTOS DAILY PROJECT REPORTS Air Sample Analysis Information

Client: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen **Building:** Community High School Sample Collection Date: 10.30.2021 Location: Samples Analyzed By: Thinh Nguyen First Floor Project #: Sample Analysis Date: 10.30.2021 AE210780

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	outside decon shower	9:00 AM 11:30 AM	150	8.580	1287	0.004	14.01
AS2	Inside temp. construction storage by critical wall.	9:00 AM 11:30 AM	150	8.035	1205	0.005	18.47
AS1R1	outside decon shower	11:30 AM 2:00 PM	150	8.580	1287	0.003	12.10
AS2R1	Inside temp. construction storage by critical wall.	11:30 AM 2:00 PM	150	8.035	1205	0.005	17.83
AS1R2	outside decon shower	2:00 PM 3:30 PM	90	8.580	772	0.007	16.56
AS2R2	Inside temp. construction storage by critical wall.	2:00 PM 3:30 PM	90	8.035	723	0.010	19.75
PA1	In hallway outside rm 111	1:15 PM 3:30 PM	135	14.56	1966	0.005	26.75
PA2	In hallway outside rm 115	1:15 PM 3:30 PM	135	14.62	1974	0.004	23.57

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



AE210780

Project #:

ASBESTOS DAILY PROJECT REPORTS OSHA Personal Air Sample Analysis

Sample Analysis Date:

10.30.2021

Client:Ann Arbor Public SchoolsSamples Collected By:Thinh NguyenBuilding:Community High SchoolSample Collection Date:10.30.2021Location:First FloorSamples Analyzed By:Thinh Nguyen

Density **Total Time** Flow Rate Volume Concentration Sample ID Sample Location Start/End (f/mm²)(min) (Lpm) (L) (f/cc) 9:30 AM 0.037 **PS1 Series** Patrick O'Doyle 360 720 2.0 3:30 PM 0.028 Activity: removing plaster from walls and installing anchors on ceiling 9:30 AM PS1 Patrick O'Doyle 30 2.0 60 0.072 12.74 10:00 AM 10:00 AM PS1R1 Patrick O'Doyle 2.0 0.040 120 240 26.75 12:00 PM 12:00 PM PS1R2 Patrick O'Doyle 120 2.0 240 0.029 19.75 2:00 PM 2:00 PM Patrick O'Doyle PS1R3 90 2.0 180 0.032 16.56 3:30 PM

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

^{* = 8} hr Time Weighted Average



ASBESTOS DAILY PROJECT REPORTS

On-Site Activity Summary

Client: Ann Arbor Public Schools

Building: Community High School

AFDs used:

Yes

Location: First Floor Project #: AE210780

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

OSHA Personal Sampling Posting:

Yes

Competent Person: Matt Kelly

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:		Corrections necessary:	No	Personal samples (8 hr TWA) (PS)	Yes
Removal:	Yes	Corrections made:	No	Above/Below PEL:	Below
Encapsulation:	No	Enclosure Integrity Check (end of work shift):	Yes	Personal samples (STEL) (PS)	Yes
Repair:	No	Corrections necessary:	Yes	Above/Below PEL:	Below
Enclosure:	No	Corrections made:	Yes	Above/Below STEL:	Below
Wet methods used:	Yes	Negative air maintained:	Yes	Area samples (AS)	Yes
Clean up procedures:	Yes	Manometer reading: <#>		PCM Clearance samples (PA)	Yes
Waste bags checked:	Yes	Smoke testing conducted:	Yes	Passed:	Yes
Conducted by: <x></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: <x></x>		Dumpster secure at end of day:	Yes		
Lock-down activities:	Yes	PPE - Disposable coveralls (Contractor):	Yes	Personal Samples Collected On:	
Tear-down procedures:	Yes	PPE - Respirators (Contractor):	Yes	Name(s): Patrick O'Boyle	
		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)	
Non-Friable Project		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: First Floor Project #: AE210780 Date: 11.1.2021

Consultant:

PWO:

Arch Environmental Group, Inc.

Project Technician: Thinh Nguyen

Abatement Contractor: Environmental Maintenance Engineers, Inc.

Competent Person: Matt Kelly

Abatement Personnel Information

Abatement Personnel Information

Materials Abated - Quantity & Location

Matt Kelly Type: Supervisor Name: A34636 Training: Accred #: 7/28/2022 Exp. Date: Fit test: Supervisor PWO: Activity:

PS1 Personal #:

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

PS1 Personal #:

Timothy Casey Name: A49184 Accred #: 7/20/2022 Exp. Date: Removal of F Class II Activity: PS1 Personal #:

Type: Supervisor Training: Fit test: PWO:

Name: Type: Accred #:

Workers / Accreditation Numbers

Exp. Date: Activity:

Personal #:

Name: Accred #: Exp. Date:

Activity: Personal #:

Training: Fit test: PWO: Personal #: Name: Type: Accred #: Training: Exp. Date: Fit test: PWO: Activity: Type: Training: Fit test: Material sf/lf/# Locations Other Class II 12 1st floor north hall way

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: First Floor Project #: AE210780

Samples Collected By: Sample Collection Date: Thinh Nguyen 11.1.2021

Samples Analyzed By: Thinh Nguyen

mple Analysis Date:	11.1.2021

Sample ID	Sample Location		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
		9:10 AM	140	8.580	1201	0.004	
SS1	middle of first floor north hallway	11:30 AM					14.01
CC4.D4	us infalls of first floor months balls on	11:30 AM	90	8.580	772	0.003	0.20
SS1R1	middle of first floor north hallway	1:00 PM					8.28
AS1	Outside containment entrance by temporary tool/storage area	1:15 PM	195	8.580	1673	0.002	12.10
ASI	Outside containment entrance by temporary tool/storage area	4:30 PM				0.002	12.10
AS2	Outside containment by northwest school entrance	1:15 PM	195	8.035	1567	0.003	12.74
A32	Outside containment by northwest school entrance	4:30 PM	195	6.055	1307	0.003	12.74
PA1	Fact and of the 1st floor north hallway	2:30 PM	120	14.62	1754	0.003	17.20
FAI	East end of the 1st floor north hallway	4:30 PM	120		1/54	0.003	17.20
PA2	West end of the 1st floor north hallway	2:30 PM	120	14.56	1747	0.003	14.01
FAZ	Twest end of the 1st hoof horth hallway	4:30 PM	120			0.003	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: Ann Arbor Public Schools Samples Collected By: Thinh Nguyen Building: Sample Collection Date: Community High School 11.1.2021 Location: First Floor Samples Analyzed By: Thinh Nguyen AE210780 Sample Analysis Date: Project #: 11.1.2021

Sample ID	Sample Location	Start/End	Total Time (min)	Flow Rate (Lpm)	Volume (L)	Concentration (f/cc)	Density (f/mm²)
1	T	Ī	T				
PS1 Series	Patrick O'Boyle	1:30 PM	120	2.0	240	0.033	
P31 3eries		3:30 PM	120			0.008	*
Activity:	drilling holes into ceiling						
PS1	Patrick O'Boyle	1:30 PM	30	2.0	60	0.055	10.19
P51		2:00 PM					10.19
PS1R1	Patrick O'Boyle	2:00 PM	90	2.0	180	0.025	12.20
		3:30 PM					13.38

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

OSHA STEL Limit = 1.0 f/cc

^{* = 8} hr Time Weighted Average

Attachment

Contractor Documentation

