

YNN & ASSOCIATES, INC.

MONTGOMERY COUNTY PUBLIC SCHOOLS
OFFICE OF MAINTENANCE
ASBESTOS MANAGEMENT PROGRAM

AHERA INFORMATION RECORD (AIR)

ASBESTOS ABATEMENT
AT
POOLESVILLE HIGH SCHOOL
17501 W. WILLARD ROAD
POOLESVILLE, MARYLAND

PROJECT #: MCPS 2021-146

COMPLETION DATE: 10/30/2022

Final Report


for

Poolesville High School

Submitted To: Mr. Brain Mullikin
Montgomery County Public Schools
Environmental Health Unit
8301 Turkey Thicket Drive
Gaithersburg, Maryland 20855

Submitted By: YNN & ASSOCIATE, INC.
4808 Continental Drive
Olney, Maryland 20832

Prepared By:


John Ndanga
Project Manager

November 6, 2022

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ABATEMENT DATA

PROJECT #: MCPS-2021-146
COMPLETION DATE: 10/30/2022
PAGE #: 1

MONTGOMERY COUNTY PUBLIC SCHOOLS
ENVIRONMENTAL HEALTH UNIT
ASBESTOS MANAGEMENT PROGRAM

AHERA INFORMATION RECORD (AIR)

I. BUILDING NAME: Poolesville High School
ADDRESS: 17501 W. Willaerd Road
Poolesville, Maryland

II. MATERIAL LOCATION:
(List Locations Separately) Room Aux Gym Hallway

III. MATERIAL TYPE: VAT/Mastic

IV. ABATEMENT OPTION CHOSEN: Removal

V. REASON: Renovation

VI. MATERIAL QUANTITY (before removal):

VII. REMOVAL QUANTITY (per location):

VIII. PROJECT BEGINNING DATE: 10/22/2022
PROJECT ENDING DATE: 10/30/2022

IX. CONTRACTOR: Asbestos Abatement Specialist, Inc.
ADDRESS: PO Box 368, Linthicum Heights, Maryland

PHONE#: (410) 796-2849

AHERA INFORMATION RECORD (AIR)
(Continued)

X. PROJECT SUPERVISION AND AIR MONITORING

I. H. FIRM: YNN & Associates, Inc.
ADDRESS: 4808 Continental Drive
Olney, Maryland 20832

PHONE #: (301) 260-0687

I. H. MANAGER : John Ndanga

CERTIFICATION : 19-831

AIR MONITORING BY : (X) PCM

() TEM

PROJECT REPORT: John Ndanga

ALL FINAL AIR SAMPLES: PASS X

TEM X

PCM __

ADDITIONAL I. H. PERSONNEL :

1. _____
2. _____
3. _____
4. _____

TEM LAB (IF DIFFERENT FROM ABOVE) :

NAME : EMSL ANALYTICAL, INC.
ADDRESS : 10766 RHODE ISLAND AVENUE
BELTSVILLE, MD 20705

CERTIFICATION # : _____
PHONE # : (301)937-5700

LAB TECHNICIAN CERTIFICATION # :

XI. WASTE DISPOSAL

ALL ACM: (X) BAGS () DRUMS () OTHER

HAULED FROM SITE BY:
ADDRESS:

Service Transport Group, Inc.
58 Plyes Lane
New Castle, DE

TRANSFERRED TO:
TRANSFERRED BY:

HAULED TO LANDFILL BY: Service Transport Group, Inc.
ADDRESS: 58 Plyes Lane
New Castle, DE

LANDFILL NAME: Minerva Landfill
ADDRESS: 8955 Minerva Road
Waynesburg

LICENSE/CERTIFICATION #: _____
CONTACT: _____

RECEIVED AT LANDFILL BY: _____

DUMP TICKET FROM CONTRACTOR: _____

XII. ADDITIONAL INFORMATION:

II. EXECUTIVE SUMMARY

YOTI N. N. & ASSOCIATES, INC.

4808 Continental Drive, Olney Maryland 20832
Tel. (301) 260-0687 * Fax (301) 260-0688

November 6, 2022

Mr. Brain Mullikin
Montgomery County Public Schools
Environmental Health Unit
16651 Crabbs Branch Way
Rockville, Maryland 20855

Dear Mr. Mullikin:

RE: Poolesville High School:

At the request of Montgomery County Public Schools (MCPS), YNN & Associates, Inc. provided industrial hygiene, air-monitoring and contractor oversight services at the above named school from October 22, 2022 through October 23, 2022 and October 28, 2022 through October 30, 2022.

All daily air sampling during this project was performed utilizing the NIOSH 7400 method, which employs Phase Contrast Microscopy (PCM). Final clearance samples were analyzed via Transmission Electron Microscopy (TEM). The average of the final clearance samples revealed asbestos concentration of less than seventy structures per millimeter square (<70 s/mm²). This is the clearance standard required under AHERA and state of Maryland regulations.

Enclosed for your review is the required documentation for the actions performed on this project. If you have any questions concerning this report, or if we may be of further services, please feel free to contact us at (301) 260-0687.

Sincerely,

YNN & Associates, Inc.


John Ndanga
Project Manager

III. SCOPE OF WORK

SCOPE OF WORK

The scope of work accomplished by YNN & Associates included the industrial hygiene supervision, job site inspections and asbestos air monitoring during the actions performed at this location. These actions included:

1. Set up of containment enclosures
2. Cleaning and asbestos decontamination of all surfaces, equipment and fixtures
3. Tear down of containment enclosures
4. Removal of all asbestos-containing waste from the job site and subsequent disposal

During this activity, the on-site Industrial Hygienist placed emphasis on the review and maintenance by the abatement contractor, of the following:

- Strict adherence to contract specifications
- Work Practices
- Use of personal protection equipment
- Protection of non-abatement areas from contamination
- Compliance with Maryland, EPA, OSHA DOT & other applicable regulations
- Integrity of containment barriers
- Sufficiency of decontamination procedures
- Adequacy of post-abatement/pre-reoccupation cleanup
- Waste disposal
- Certification status of abatement personnel

Figure I on the following page outlines the areas in which the above actions occurred.

IV. INDUSTRIAL HYGIENE MONITORING REPORT

INDUSTRIAL HYGIENE MONITORING REPORT

The abatement activity at the above named School consisted of the removal of asbestos-containing materials. This was accomplished under containment enclosures with three-stage decontamination chambers.

All workers wore suits of disposable, full-body protective garments and HEPA-cartridge respirators at all times during this project, and showered before exiting the containment. All equipment and bags of asbestos-containing waste were HEPA-vacuumed and wet-wiped prior to their load-out from the enclosures.

A total number of sixty four (64) air samples were collected for Phase Contrast Microscopy (PCM) during this project. A summary of these samples is presented below:

<i>Work Activity</i>	<i>Number of Samples</i>
<i>Background</i>	20
<i>Inside Work Area</i>	5
<i>Outside Work Area</i>	21
<i>Personals and Excursions</i>	-
<i>Field Blank</i>	8
<i>Final Clearance (PCM)</i>	-
<i>Final Clearance (TEM)</i>	<u>10</u>
<i>TOTAL AIR SAMPLING:</i>	61

All abatement activities were closely monitored by on-site industrial hygienist. The work areas were inspected prior to and during all actions, and were cleared for re-occupancy only after passing two clearance criteria as recommended by the Environmental Protection Agency (EPA) and the State of Maryland. The first criterion is a visual inspection. This is done to ensure no residual dust particles remain on any surfaces.

The second clearance criterion is acceptable airborne asbestos levels. Final clearance air monitoring was accomplished via Transmission Electron Microscopy (TEM). The average of the final clearance samples revealed asbestos concentration of less than seventy structures per millimeter square of air (<70 s/mm²). This is the re-occupancy level required under AHERA regulation: 40 CFR Part 763.

Based upon the visual inspections and subsequent TEM air sample results, the affected areas of this school building are clear for re-occupancy.

V. FIELD CHECKLISTS, SAMPLING DATA & RESULTS



EMSL Analytical, Inc.

10752 Baltimore Avenue Beltsville, MD 20705
Tel/Fax: (301) 937-5700 / (301) 937-5701
http://www.EMSL.com / beltsvillelab@emsl.com

EMSL Order: 192209112
Customer ID: YNNA50
Customer PO:
Project ID:

Attention: John Ndanga
Ynn & Associates, Inc.
4808 Continental Drive
Olney, MD 20832

Phone: (301) 260-0687
Fax:
Received Date: 10/22/2022 17:39 PM
Analysis Date: 10/22/2022
Collected Date: 10/22/2022

Project: Poolesville HS

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
102222-T1 192209112-0001	Gym-Containment #1	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T2 192209112-0002	Gym-Containment #1	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T3 192209112-0003	Gym-Containment #1	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T4 192209112-0004	Gym-Containment #1	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T5 192209112-0005	Gym-Containment #1	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049

Analyst(s)

Emily Baker (5)

Joe Centifonti, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in structures/cm3 are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from: 10/22/2022 20:54 PM



EMSL Analytical, Inc.

10752 Baltimore Avenue Beltsville, MD 20705
Tel/Fax: (301) 937-5700 / (301) 937-5701
http://www.EMSL.com / beltsvillelab@emsl.com

EMSL Order: 192209113
Customer ID: YNNA50
Customer PO:
Project ID:

Attention: John Ndanga
Ynn & Associates, Inc.
4808 Continental Drive
Olney, MD 20832
Phone: (301) 260-0687
Fax:
Received Date: 10/22/2022 17:39 PM
Analysis Date: 10/22/2022
Collected Date: 10/22/2022
Project: Poolesville HS

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
102222-T6 192209113-0001	Gym-Containment #2	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T7 192209113-0002	Gym-Containment #2	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T8 192209113-0003	Gym-Containment #2	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T9 192209113-0004	Gym-Containment #2	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
102222-T10 192209113-0005	Gym-Containment #2	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049

Analyst(s) _____

Emily Baker

Emily Baker (5)

Joe Centifonti

Joe Centifonti, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from: 10/22/2022 20:54 PM



EMSL Analytical, Inc.

10752 Baltimore Avenue Beltsville, MD 20705
Tel/Fax: (301) 937-5700 / (301) 937-5701
http://www.EMSL.com / beltsvillelab@emsl.com

EMSL Order: 192209349
Customer ID: YNNA50
Customer PO:
Project ID: Montgomery County Public Schools

Attention: John Ndanga
Ynn & Associates, Inc.
4808 Continental Drive
Olney, MD 20832
Phone: (301) 260-0687
Fax:
Received Date: 10/29/2022 21:47 PM
Analysis Date: 10/30/2022
Collected Date: 10/29/2022
Project: Poolesville High School (Montgomery County Public Schools- MCPS)

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures ≥0.5μ < 5μ	≥5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)
102922 - T1	Hallway Adjacent to Aux Gym	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
192209349-0001										
102922 - T2	Hallway Adjacent to Aux Gym	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
192209349-0002										
102922 - T3	Hallway Adjacent to Aux Gym	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
192209349-0003										
102922 - T4	Hallway Adjacent to Aux Gym	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
192209349-0004										
102922 - T5	Hallway Adjacent to Aux Gym	1200.00	0.0650	0	None Detected	0	0	0.0049	<15.00	<0.0049
192209349-0005										

Analyst(s)

George P. Malone Jr.

George Malone (5)

Joe Centifonti

Joe Centifonti, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in structures/cm³ are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Beltsville, MD NVLAP Lab Code 200293-0

Initial report from: 10/30/2022 02:32 AM



DAILY LOG SHEET

Date: 10/22/2022

Job Name: Poolesville High School

Time	Remarks
7:00	YNN's field IH arrived onsite along with the abatement crew from ASI. IH performed a walk through of the work areas and discussed work plan with supervisor for abatement company. IH was informed that the crew will set up two separate containments and perform removal of pipe insulation. IH calibrated air samplers and commenced pre-abatement air sampling while the crew set up the containments.
9:00	IH completed pre-abatement air sampling. The crew continued to set up the work areas in the Gym.
11:30	The crew completed setting up the containment and requested a pre-abatement visual inspection. IH inspected and passed the containment. The crew exited the area for lunch break.
12:00	The crew returned from lunch break and commenced removal of pipe insulation. Negative pressure at acceptable levels.
13:00	The crew continued to perform abatement of pipe insulation/waste loadout. IH continued to perform air monitoring.
13:30	The crew completed removal and requested a final visual inspection of the containments. IH suited up inspected and passed both of the containments. The crew was given authorization to encapsulate the containments.
14:00	IH calibrated air samplers and commenced final clearance air sampling via TEM.
16:00	IH completed final clearance air sampling.
16:30	IH exited the site for the Lab.
17:15	IH dropped TEM samples at the lab.



YOTI N.N. & ASSOCIATES, INC (YNN)
Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolesville High School
 Work Area: Gym Date: 10/22/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers Fields / 100	Fibers CC
		Start	End	On	Off				
102222-1	PRE - Pre-Abatement Sampling	10	10	7:30	9:30	120	1200		NFO
102222-2	PRE - Pre-Abatement Sampling	10	10	7:30	9:30	120	1200		NFO
102222-3	PRE - Pre-Abatement Sampling	10	10	7:30	9:30	120	1200		NFO
102222-4	PRE - Pre-Abatement Sampling	10	10	7:30	9:30	120	1200		NFO
102222-5	PRE - Pre-Abatement Sampling	10	10	7:30	9:30	120	1200		NFO
102222-6	PRE - Pre-Abatement Sampling	10	10	7:35	9:35	120	1200		NFO
102222-7	PRE - Pre-Abatement Sampling	10	10	7:35	9:35	120	1200		NFO
102222-8	PRE - Pre-Abatement Sampling	10	10	7:35	9:35	120	1200		NFO
102222-9	PRE - Pre-Abatement Sampling	10	10	7:35	9:35	120	1200		NFO
102222-10	PRE - Pre-Abatement Sampling	10	10	7:35	9:35	120	1200		NFO
102222-11	BLK								NFO
102222-12	BLK								NFO
Abbreviations:									
	PRE - Pre-Abatement Sampling	BLK - Blank			NFO - No Fibers Observed				
	OGBA - Outside Glove Bag Area	IWA - Inside Work Area			Post - Final Clearance monitoring				
	IGBA - Inside Glove Bag Area	OWA - Outside Work Area			AMB - Ambient				
	PRS - Personal Sample	OBT - Outside Barrier Tape			CB - Critical Barrier				
	IBT - Inside Barrier Tape								

Analyst: _____

Date _____



YOTI N.N. & ASSOCIATES, INC (YNN)

Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolesville High School
 Work Area: Gym Date: 10/22/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers / 100 Fields	Fibers CC
		Start	End	On	Off				
102222-13	OWA-Clean Room -Area 1	5	5	12:00	13:30	90	450	0.5	< 0.01
102222-14	IWA	2	2	12:00	13:30	90	180	4	0.01
102222-15	OWA-Critical Barrier	5	5	12:03	13:33	90	450		NFO
102222-16	OWA-HEPA Exhaust	5	5	12:05	13:35	90	450		NFO
102222-17	OWA-Clean Room -Area 2	5	5	12:10	13:40	90	450	1	< 0.01
102222-18	IWA	2	2	12:10	13:40	90	180	5.5	0.01
102222-19	OWA-Critical Barrier	5	5	12:15	13:45	90	450		NFO
102222-20	OWA-HEPA Exhaust	5	5	12:17	13:47	90	450		NFO
102222-21	BLK								NFO
102222-22	BLK								NFO
Abbreviations: PRE - Pre-Abatement Sampling OGBA - Outside Glove Bag Area IGBA - Inside Glove Bag Area PRS - Personal Sample IBT - Inside Barrier Tape BLK - Blank IWA - Inside Work Area OWA - Outside Work Area OBT - Outside Barrier Tape NFO - No Fibers Observed Post - Final Clearance monitoring AMB - Ambient CB - Critical Barrier									

Analyst: John Ndanga
 Date: 10/22/2022



DAILY ASBESTOS ABATEMENT CHECKLIST

Job Name: PoolesvilleHigh School **Date:** 10/22/2022
Project Manager: John Ndanga **Location:** Gym

Type of Abatement: (circle)

Removal

Glovebag

1. Work Site Barrier (Satisfactory - Yes, No or N/A)

Proper Signage Yes
 Floor Covered NA
 Wall Covered Yes
 Area Ventilation Off Yes
 All Edges Sealed Yes
 All Penetrations Sealed Yes
 Entry Curtains Intact and Maintained Yes

Activity: (circle)

preparation
Gross Removal
Gross Cleaning
Final Cleaning
 Re-Cleaning
 Decontamination

II. Negative Air Pressure (circle one)

HEPA VAC NAM

Constant Operation Yes
 Negative Pressure Achieved (-0.02") (4 changes/hour) Yes
 Smoke Test NA
 Manometer Reading -0.021

Notes:

III. Work Practices (Yes or No)

Material Worked Wet Yes
 Removed Material promptly Bagged Yes
 Material Not Dropped Over 14" Yes
 HEPA Vacuum used Yes
 No Smoking, Eating, Drinking Yes
 Work Area Cleaned at End of Shift Yes
 Personnel Decontaminated After Each Departure Yes

IV. Protective Equipment (Yes or No)

Disposable Clothing Used One Time Only Yes
 Proper NIOSH Approved Respirators Yes
 Type of Respirator: 1/2 Face

V. Showers (Yes or No)

On site Yes
 Functioning Yes
 Soap, Towels, and Hot Water Yes
 Used By All Personnel Yes
 Good Housekeeping Yes
 Proper Filtrations and Drainage Yes



YOTI N.N. & ASSOCIATES, INC (YNN)

Industrial Hygiene and Environmental Services

Page: 1 of 1

DAILY LOG SHEET

Date: 10/28/2022

Job Name: Poolesville High School

Time	Remarks
15:00	YNN's field IH arrived onsite along with the abatement crew from ASI. IH performed a walk through of the work area and discussed work plan with supervisor for abatement company. IH was informed that the crew will set up the containment and commence removal of VAT/Mastic in the hallway and space adjacent to the Aux Gym.. IH calibrate d air samplers and commenced pre-abatement air sampling while the crew set up the containment.
17:30	IH completed pre-abatement air sampling. The crew continued to set up the work area in the Aux Gym. The crew continued to set up the containment.
20:30	The crew completed setting up the containment and requested a pre-abatement visual inspection. IH inspected and passed the containment. The crew exited the area for lunch break.
21:00	The crew returned from lunch break and commenced removal of VAT. Negative Pressure at acceptable levels.
22:00	The crew completd removal of VAT/waste load out and commenced mastic removal. IH continued to perform air monitoring.
23:00	The crew cleaned up the area and exited the site for the day.



YOTI N.N. & ASSOCIATES, INC (YNN)
Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolsville High School
Work Area: Hallway & space adjacent to the Aux Gym Date: 10/28/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers Fields / 100	Fibers CC
		Start	End	On	Off				
102822-1	PRE - Pre-Abatement Sampling	10	10	15:30	17:30	120	1200		NFO
102822-2	PRE - Pre-Abatement Sampling	10	10	15:30	17:30	120	1200		NFO
102822-3	PRE - Pre-Abatement Sampling	10	10	15:30	17:30	120	1200		NFO
102822-4	PRE - Pre-Abatement Sampling	10	10	15:30	17:30	120	1200		NFO
102822-5	PRE - Pre-Abatement Sampling	10	10	15:30	17:30	120	1200		NFO
102822-6	PRE - Pre-Abatement Sampling	10	10	18:00	20:00	120	1200		NFO
102822-7	PRE - Pre-Abatement Sampling	10	10	18:00	20:00	120	1200		NFO
102822-8	PRE - Pre-Abatement Sampling	10	10	18:00	20:00	120	1200		NFO
102822-9	PRE - Pre-Abatement Sampling	10	10	18:00	20:00	120	1200		NFO
102822-10	PRE - Pre-Abatement Sampling	10	10	18:00	20:00	120	1200		NFO
102822-11	BLK								NFO
102822-12	BLK								NFO

Abbreviations:
 PRE - Pre-Abatement Sampling
 OGBA - Outside Glove Bag Area
 IGBA - Inside Glove Bag Area
 PRS - Personal Sample
 IBT - Inside Barrier Tape
 BLK - Blank
 IWA - Inside Work Area
 OWA - Outside Work Area
 OBT - Outside Barrier Tape
 NFO - No Fibers Observed
 Post - Final Clearance monitoring
 AMB - Ambient
 CB - Critical Barrier

Analyst: John Ndanga
Date: 10/28/2022



YOTI N.N. & ASSOCIATES, INC (YNN)
Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolsville High School
 Work Area: Hallway and Space adjacent to Aux Gym Date: 10/28/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers Fields / 100	Fibers CC
		Start	End	On	Off				
102822-13	OWA-Clean Room	5	5	21:00	22:50	110	550	1	< 0.01
102822-14	OWA-Infront of Decon	2	2	21:00	22:50	110	220	0.5	< 0.01
102822-15	IWA	2	2	21:12	22:52	100	200	8	0.02
102822-16	OWA-Critical Barrier	5	5	21:05	22:55	110	550		NFO
102822-17	OWA-Critical Barrier	5	5	21:10	22:57	107	535		NFO
102822-18	OWA-HEPA Exhaust	2	2	21:15	22:59	104	208		NFO
102822-19	BLK								NFO
102822-20	BLK								NFO

Abbreviations: PRE - Pre-Abatement Sampling
 OGBA - Outside Glove Bag Area
 IGBA - Inside Glove Bag Area
 PRS - Personal Sample
 IBT - Inside Barrier Tape
 BLK - Blank
 IWA - Inside Work Area
 OWA - Outside Work Area
 OBT - Outside Barrier Tape
 NFO - No Fibers Observed
 Post - Final Clearance monitoring
 AMB - Ambient
 CB - Critical Barrier

Analyst: John Ndanga
 Date: 10/28/2022



YOTI N.N. & ASSOCIATES, INC (YNN)
 Industrial Hygiene and Environmental Services

DAILY ASBESTOS ABATEMENT CHECKLIST

Job Name: PoolesvilleHigh School
Project Manager: John Ndanga

Date: 10/28/2022
Location: Hallway & Space adjacent to Aux G

Type of Abatement: (circle)

Removal

Glovebag

I. Work Site Barrier (Satisfactory - Yes, No or N/A)

Proper Signage Yes
 Floor Covered NA
 Wall Covered Yes
 Area Ventilation Off Yes
 All Edges Sealed Yes
 All Penetrations Sealed Yes
 Entry Curtains Intact and Maintained Yes

Activity: (circle)

preparation
Gross Removal
Gross Cleaning
 Final Cleaning
 Re-Cleaning
 Decontamination

II. Negative Air Pressure (circle one)

HEPA VAC NAM

Constant Operation Yes
 Negative Pressure Achieved (-0.02") (4 changes/hour) Yes
 Smoke Test NA
 Manometer Reading -0.024

Notes:

III. Work Practices (Yes or No)

Material Worked Wet Yes
 Removed Material promptly Bagged Yes
 Material Not Dropped Over 14" Yes
 HEPA Vacuum used Yes
 No Smoking, Eating, Drinking Yes
 Work Area Cleaned at End of Shift Yes
 Personnel Decontaminated After Each Departure Yes

IV. Protective Equipment (Yes or No)

Disposable Clothing Used One Time Only Yes
 Proper NIOSH Approved Respirators Yes
 Type of Respirator: 1/2 Face

V. Showers (Yes or No)

On site Yes
 Functioning Yes
 Soap, Towels, and Hot Water Yes
 Used By All Personnel Yes
 Good Housekeeping Yes
 Proper Filtrations and Drainage Yes



YOTI N.N. & ASSOCIATES, INC (YNN)

Industrial Hygiene and Environmental Services

DAILY LOG SHEET

Date: 10/29/2022

Job Name: Poolesville High School

Time	Remarks
7:00	YNN's field IH arrived onsite along with the abatement crew from ASI. IH discussed work plan for the day with supervisor for abatement crew. IH was informed that the crew will complete abatement and request final visual inspection.
	The crew suited up and went into the containment and continued mastic removal. IH calibrated air samplers and commenced air monitoring.
9:00	IH suited up and performed a walk through of the area to observe the crew. The operation was observed to be moving along smoothly.
11:00	The crew cleaned up and exited the area for lunch break.
11:30	The crew returned into the area and continued to perform mastic removal/final cleaning. IH continued to perform air monitoring.
13:00	The crew completed mastic removal and continued to perform final cleaning.
14:30	The crew completed final cleaning and requested final visual inspection. IH suited up, inspected and passed the area. The crew was given authorization to encapsulate the containment.
15:00	IH calibrated air samplers and commenced final clearance air sampling via TEM.
17:00	IH completed final clearance air sampling.
17:30	IH exited the site for the lab to drop off samples.
18:30	IH at the lab and dropped off samples.



YOTI N.N. & ASSOCIATES, INC. (YNN)
Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolsville High School
 Work Area: Hallway and Space adjacent to Aux Gym Date: 10/29/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers / 100	Fibers CC
		Start	End	On	Off				
102922-1	OWA-Clean Room	5	5	7:15	11:00	225	1125	1	< 0.01
102922-2	OWA-Infront of Decon	2	2	7:15	11:00	225	450	0.5	< 0.01
102922-3	IWA	2	2	7:17	11:02	225	450	8	< 0.01
102922-4	OWA-Critical Barrier	5	5	7:20	11:05	225	1125		NFO
102922-5	OWA-Critical Barrier	5	5	7:23	11:14	231	1155		NFO
102922-6	OWA-HEPA Exhaust	2	2	7:25	11:17	232	464		NFO
102922-7	OWA-Clean Room	5	5	11:00	14:30	210	1050	2	< 0.01
102922-8	OWA-Infront of Decon	5	5	11:00	14:30	210	1050	1	< 0.01
102922-9	IWA	2	2	11:02	14:32	210	420	16	0.02
102922-10	OWA-Critical Barrier	5	5	11:05	14:35	210	1050		NFO
102922-11	OWA-Critical Barrier	5	5	11:14	14:38	204	1020		NFO
102922-12	OWA-HEPA Exhaust	5	5	11:17	14:40	203	1015		NFO

Abbreviations:
 PRE - Pre-Abatement Sampling
 OGBA - Outside Glove Bag Area
 IGBA - Inside Glove Bag Area
 PRS - Personal Sample
 IBT - Inside Barrier Tape

BLK - Blank
 IWA - Inside Work Area
 OWA - Outside Work Area
 OBT - Outside Barrier Tape

NFO - No Fibers Observed
 Post - Final Clearance monitoring
 AMB - Ambient
 CB - Critical Barrier

Analyst: John Ndanga
 Date: 10/29/2022



YOTL N.N. & ASSOCIATES, INC (YNN)
 Industrial Hygiene and Environmental Services

AIR SAMPLE DATA SHEET

Client: MCPS Project Name: Poolesville High School
 Work Area: Hallway and Space adjacent to Aux Gym Date: 10/29/2022

Sample NO.	Location / Code Relation to work	FLOW RATE		On	Time	Off	Total Time	Total Volume	Fibers / 100	Fibers CC
		Start	End							
102922-13	BLK									NFO
102922-14	BLK									NFO

Abbreviations:
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Analyst: John Ndanga

Date: 10/29/2022



YOTI N.N. & ASSOCIATES, INC (YNN)
 Industrial Hygiene and Environmental Services

DAILY ASBESTOS ABATEMENT CHECKLIST

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Project Manager: John Ndanga

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- preparation
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YOTI N.N. & ASSOCIATES, INC (YNN)

Industrial Hygiene and Environmental Services

Page: 1 of 1

DAILY LOG SHEET

Date: 10/30/2022

Job Name: Poolesville High School

Time	Remarks
6:00	YNN's field IH arrived onsite along with the abatement crew from ASI. IH informed crew that the containment passed TEM.
	The two man crew started tearing down the containment.
8:00	The crew continued to tear down the containment and bagging up the used poly.
10:00	The crew completed tearing down the containment and commenced loading waste and equipments and supplies into the the truck.
11:00	The crew completed loading up the truck and commenced vacuuming of the floor.
11:30	The crew exited the site.

VI. INDUSTRIAL HYGIENE CERTIFICATIONS



Approval Number: 21 14 01

Certificate of Achievement

Awarded to

John Ndanga

In recognition of successful completion of the course entitled

ASBESTOS ABATEMENT SUPERVISOR REVIEW

An 8-Hour annual refresher program of study presented in accordance with the provisions of the U.S Environmental Protection Agency Model Accreditation Plan 40 CFR Part 763, Appendix C to SUBPART E, for Accreditation under TSCA Title II



ENVIRONMENTAL • GEOTECHNICAL BUILDING SCIENCES • MATERIALS TESTING

Location: Columbia, MD

21-1037

Certificate Number

November 22, 2021

Examination Date

November 22, 2022

Expiration Date

November 22, 2021

Course Date

9231 Rumsey Road Columbia, Maryland 21045

410-381-0232 Office

410-423-9235 Direct

Clayton E. Miller Course Instructor

Carla M. Gomez Course Director

THE
DEEP SOUTH CENTER FOR OCCUPATIONAL
HEALTH AND SAFETY


CERTIFIES THAT

John Ndanga

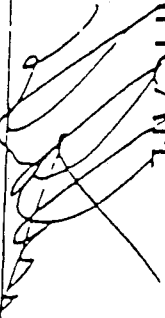
HAS SATISFACTORILY COMPLETED

Sampling and Evaluating Airborne Asbestos Dust—NIOSH 582
Birmingham, Alabama
November 9-12, 1987

AND IS HEREBY AWARDED THIS CERTIFICATE


PROGRAM DIRECTOR




COURSE INSTRUCTOR

A NIOSH-Supported Educational Resource Center
University of Alabama at Birmingham & Auburn University