YNN & ASSOCIATES, INC.

MONTGOMERY COUNTY PUBLIC SCHOOLS DIVISION OF SUSTAINABILITY AND COMPLIANCE 8301 TURKEY THICKET DRIVE GAITHERSBURG, MARYLAND

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

LOCATION: ROOM 14

ABATEMENT OF FLOOR TILE/MASTIC

DATE: 9/22/2024

Final Report

For

Poolesville High School

Submitted To: Mr. Derek Kwon

Montgomery County Public Schools

Division of Sustainability and Compliance

8301 Turkey Thicket Drive Gaithersburg, Maryland 20855

Submitted By: YNN & ASSOCIATE, INC.

4808 Continental Drive Olney, Maryland 20832

Prepared By: John Ndanga

Project Manager

September 22, 2024

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ABATEMENT DATA

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MONTGOMERY COUNTY PUBLIC SCHOOLS Department of Sustainability and Compliance

AHERA INFORMATION RECORD (AIR)

I. BUILDING NAME

ADDRESS:

Poolesville High School 17501 W. Willard Road Poolesville, Maryland

II. MATERIAL LOCATION:

(List Locations Separately)

Room 14 (as shown on map)

III. MATERIAL TYPE:

VAT/Mastic

IV. ABATEMENT OPTION CHOSEN:

Removal

V. REASON:

Renovation

VI. MATERIAL QUANTITY REMOVED (PER LOCATION): VAT approx 20SF, Mastic approx 80 SF

VII. PROJECT BEGINNING DATE:

9/22/2024

PROJECT ENDING DATE:

9/22/2024

VIII. CONTRACTOR: Asbestos Abatement Specialist, Inc.

PHONE#: 410) 796 2849

AHERA INFORMATION RECORD (AIR) (Continued)

Χ.	PROJECT SUPERVISION AND AIR MONITORI	NG
	I. H. FIRM: YNN & Associates, Inc. ADDRESS: 4808 Continental Drive Olney, Maryland 20832	PHONE #: <u>(301) 343-4767</u>
	I. H. MANAGER : John Ndanga	CERTIFICATION: 23-1103
	AIR MONITORING BY: (X) PCM	() TEM
	PROJECT REPORT: John Ndanga	
	ALL FINAL AIR SAMPLES: PASS ADDITIONAL I. H. PERSONNEL: 1 2 3 4	TEM () PCM (<u>X</u>)
	TEM LAB (IF DIFFERENT FROM ABOVE):	
	NAME :EMSL ANALYTICAL, INC. ADDRESS : 10752 & 10768 Baltimore Avenue BELTSVILLE, MD 20705	PHONE # :(301)937-5700



YOTI N. N. & ASSOCIATES, INC.

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

August 22, 2024

Mr. Derek Kwon Montgomery County Public Schools Division of Sustainability and Compliance 8301 Turkey Thicket Drive, Bldg. 1A Gaithersburg, Maryland 20879

Dear Mr. Kwon:

RE: Poolesville High School:

At the request of Montgomery County Public Schools (Division of Sustainability and Compliance), Yoti N.N. & Associates, Inc. (YNN) provided industrial hygiene, air-monitoring, and contractor oversight services during abatement of floor tiles/mastic at Poolesville High School (Site). The Site is located at 17501 W. Willard Road in Poolesville, Maryland. The abatement operation was performed on September 22, 2024.

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 Phase Contrast Microscopy (PCM). Each PCM final clearance sample revealed a fiber concentration of less than zero point zero one fiber per cubic centimeter of air (<0.01 f/cc). This is the re-occupancy standard required under AHERA and State of Maryland regulations.

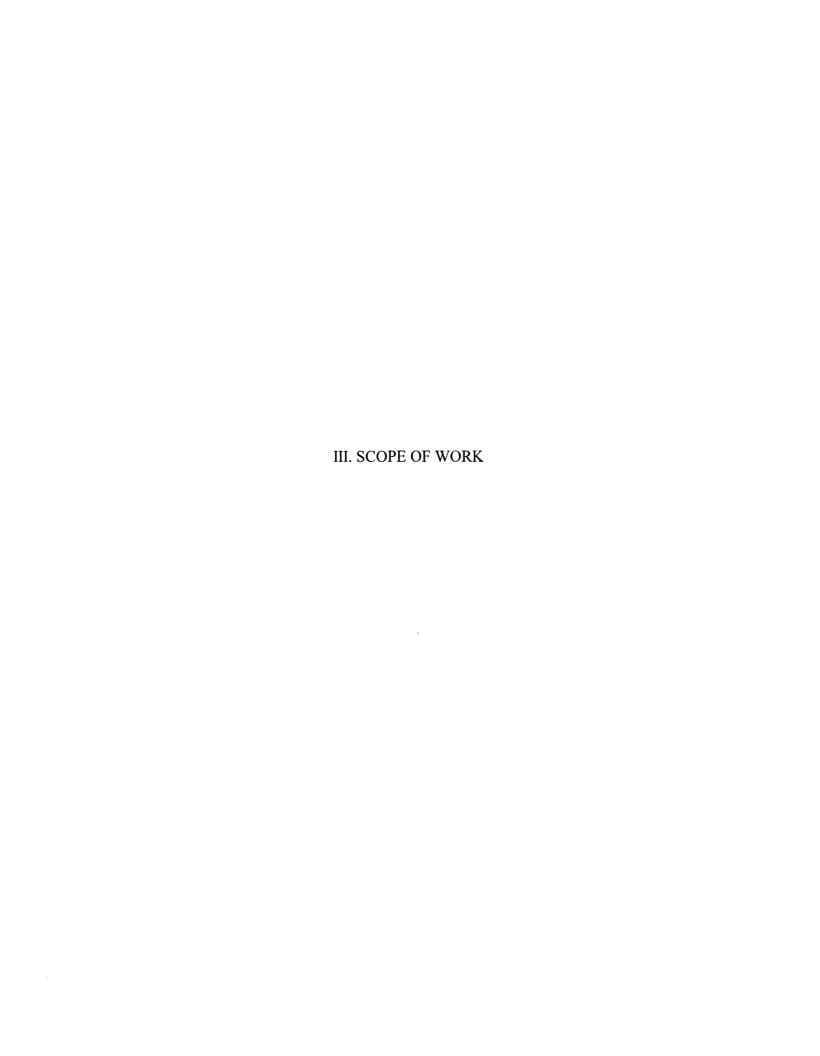
Enclosed for your review is the required documentation for the actions performed on this project. If you have any questions concerning this report, or if we may be of further services, please feel free to contact us at (301) 260-0687.

Sincerely,

W/La a

YNN & Associates, Inc

Project Manager



SCOPE OF WORK

The scope of work accomplished by YNN 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 enclosure and work area designation/using appropriate signage.
- 2. Cleaning and asbestos decontamination of all surfaces, equipment, and fixtures.
- 3. Tear down of containment enclosure and work area designation signage.
- 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

IV. INDUSTRIAL HYGIENE MONITORING REPORT	

INDUSTRIAL HYGIENE MONITORING REPORT

All identified asbestos-containing materials (floor tile/mastic) were abated in Room 14 as per the work scope and map.

All workers were suits of disposable, full-body protective garments, and HEPA-cartridge respirators at all times during this project. All equipment and bags of asbestos-containing waste were doubled bagged prior to their load-out from the containment.

All abatement activities were closely monitored by on-site industrial hygienist. The work area was inspected prior to and during all actions to verify that all identified ACMs had been successfully removed from the work area as per scope of work. Environmental air samples were collected by YNN throughout the duration of abatement to monitor potential fiber migration and evaluate fibers-in-air concentrations in and around the work area. Following completion of abatement in the work area, YNN cleared the work area 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 visible debris and residual dust particles, remain on any surfaces.

The second clearance criterion is acceptable airborne asbestos levels. Final clearance air monitoring for asbestos was accomplished via Phase Contrast Microscopy (PCM). The PCM samples each had to reveal a fiber concentration of less than zero point zero one fiber per cubic centimeter of air (<0.01 f/cc). This is the re-occupancy level required under AHERA regulation: 40 CFR Part 763. All PCM air samples were analyzed on-site using Phase Contrast Microscopy (PCM) in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7400 by YNN's Industrial Hygienist who has satisfactorily completed Sampling and Evaluating Airborne Asbestos Dust-NIOSH 582 equivalency course.

Final clearance air sample results for the work area showed acceptable fiber concentrations less than zero point zero one cubic centimeter of air (<0.01 f/cc) via PCM. This is the re-occupancy level required under AHERA regulation: 40 CFR Part 763 and State of Maryland.

Based upon the visual inspections and subsequent PCM air sample results, the work area was cleared for re-occupancy.



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DAILY LOG SHEET

Date: 9/22/2024 Job Name: Poolesville High School

Time	Remarks
7:00	YNN's field IH arrived at Poolesville High School (Site) to perform environmental air quality
	monitoring, final clearance and contractor oversight. The Site is located at 17501 W. Willard
	Road in Poolesville, Maryland. Scope of work: Removal of soil and debris currently on top of
	the area. Remove floor tile and mastic in the area. The area is identified in the drawing as
	Room 14. The crew from ASI is made up of three workers and a supervisor.
	IH discussed work plan with supervisor. IH was informed that the crew will remove the soil
	and debris then abate floor tile and mastic.
7:15	The crew erected barrier tape with appropriate signage around the area and commenced
	bagging up the soil and debris. The soil and debris was very wet from the overnight rainfall.
	This kept down dust levels. The crew wetted down the floor tile with amended water and
	performed removal. The tiles came up without difficulties and was promptly bagged up.
	IH calibrated air samplers with a rotameter at 5 l/m and commenced air monitoring.
9:30	The crew completed floor tile removal. The supervisor pointed out that the concrete had too
	many cracks to use mastic remover. The crew decided to build a containment and hook up a
	microtrap.
11:00	The crew completed setting up the containment and commenced mastic removal with a grinder
	attached to a dust extractor with HEPA filter. Flaps at the entrance were observed pulling
	inwards once the microtrap was turned on. IH continued to perform air monitoring.
11:30	The crew cleaned up and took lunch break.
12:00	The crew returns from lunch break, dons PPE and continued to perform mastic removal.
13:30	The crew completed mastic removal and requested final visual inspection. IH dons PPE
·····	and performed final visual inspection. Floor tile/mastic, soil and debris abated.
	IH calibrated air samplers at 10 l/m and performed final clearance air sampling via PCM.
15:30	IH completed final clearance air sampling and performed aair sample analysis. All clearance
	air samples were below 0.01 f/cc. The crew tore down the containment and exited the site.
16:00	The crew exited the Site.



AIR SAMPLE DATA SHEET

Project Name: Poolesville High School	Date: 9/22/2024
MCPS	Room 14
Client:	Work Area:

		FLOW RATE	RATE	li .	Time	Total	Total	Fibers	Fibers
Sample NO.	Location / Code Relation to work	Start	End	ő	O#	Time	Volume		ပ္ပ
092224-1	Outside Barrier Tape-North Side	5	5	7:30	11:00	210	1050	3.5	< 0.01
092224-2	Outside Barrier Tape-South Side	5	5	7:32	11:03	211	1055	2.5	< 0.01
092224-3	Outside Barrier Tape-West Side	5	5	7:35	11:05	210	1050	4	< 0.01
092224-4	Outside Barrier Tape-East Side	5	5	7:37	11:08	211	1055	2.5	< 0.01
092224-5	Outside Barrier Tape-North Side	5	5	11:00	13:10	130	650	3	< 0.01
092224-6	Outside Barrier Tape-South Side	5	5	11:03	13:12	129	645	2	< 0.01
092224-7	Outside Barrier Tape-East Side	5	5	11:05	13:15	130	650	4	< 0.01
092224-8	Outside Barrier Tape-West Side	5	5	11:08	13:18	130	650	2.5	< 0.01
092224-9	POST-Clearance	10	10	13:30	15:30	120	1200	4.5	< 0.01
092224-10	POST-Clearance	10	10	13:30	15:30	120	1200	3	< 0.01
092224-11	POST-Clearance	10	10	13:30	15:30	120	1200	2	< 0.01
092224-12	POST-Clearance	10	10	13:30	15:30	120	1200	3.5	< 0.01
Abbreviations:	PRE - Pre-Abatement Sampling OGBA - Outside Glove Bag Area IGBA - Inside Glove Bag Area		BLK - Blank IWA - Inside Work Area OWA - Outside Work Ar	BLK - Blank IWA - Inside Work Area OWA - Outside Work Area			NFO - No Fibers Observed Post - Final Clearance mon AMB - Ambient	NFO - No Fibers Observed Post - Final Clearance monitoring AMB - Ambient	guir
	PRS - Personal Sample IBT - Inside Barrier Tape		OBI - Outsid	UB I - Outside Barrier I ape	6		CB - Critical Barrier	arrier	

John Ndanga	
Analyst:	

Date

9/22/2024



AIR SAMPLE DATA SHEET

Client:	MCPS			ā	roject Name:	Project Name: Poolesville High School	h School		
Work Area:	Room 14				Date:	9/22/2024			
		FLOW RATE	RATE	II .	Time	Total	Total	Fibers	Fibers
Sample NO.	Location / Code Relation to work	Start	End	o	Off	Time	Volume		႘
092224-13	POST-Clearance	10	10	13:00	15:00	120	1200	ю	< 0.01
092224-14	BLK								NFO
092224-15	<u>×</u>								NFO
Abbreviations:	PRE - Pre-Abatement Sampling		BLK - Blank				NFO - No Fibers Observed	rs Observed	
	OGBA - Outside Glove Bag Area		IWA - Inside Work Area	Work Area			Post - Final Clearance monitoring	earance monitor	ing
	IGBA - Inside Glove Bag Area		OWA - Outsit	OWA - Outside Work Area			AMB - Ambient	rrier	

9/22/2024

IBT - Inside Barrier Tape

John Ndanga

Analyst:

Date

VI. INDUSTRIAL HYGIENE CERTIFICATIONS	



Approval No.: 21 13 01

Certificate of Achievement

Awarded to

John Ndanga

In recognition of successful completion of the course entitled

ASBESTOS ABATEMENT SUPERVISOR REVIEW Environmental Protection Agency Model Accreditation Plan 40 CFR Part 763, Appendix C to SUBPART An 8-Hour annual refresher program of study presented in accordance with the provisions of the U.S



Certificate Number

November 18, 2023

9231 Rumsey Road Columbia, Maryland 21045

November 18, 2023

Location: Columbia, MD

November 18, 2024 **Examination Date**

Expiration Date

Clayton E. Miller Course Instructor

ht Elle

Carla M. Gomez Course Director

410-381-0232 Office 410-423-9235 Direct



DEEP SOUTH CENTER FOR OCCUPATIONAL HEALTH AND SAFETY HE

CERTIFIES THAT

John Ndanga

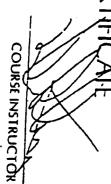
HAS SATISFACTORILY COMPLETED

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

AND IS HEREBY AWARDED THIS CERTIFICA







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

