

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: Poolesville High School
ADDRESS: 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

AMERA 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) 343-4767

I. H. MANAGER : John Ndanga

CERTIFICATION : 23-1103

AIR MONITORING BY: (X) PCM () TEM

PROJECT REPORT: John Ndanga

ALL FINAL AIR SAMPLES: PASS _____ TEM ()

PCM (X)

ADDITIONAL I. H. PERSONNEL :

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

TEM LAB (IF DIFFERENT FROM ABOVE) :

NAME : EMSL ANALYTICAL, INC.
ADDRESS : 10752 & 10768 Baltimore Avenue
BELTSVILLE, MD 20705

PHONE # : (301)937-5700

III. EXECUTIVE SUMMARY

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,

YNN & Associates, Inc.


John Ndanga
Project Manager

III. SCOPE OF WORK

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 wore 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.

V. SAMPLING DATA, & RESULTS



AIR SAMPLE DATA SHEET

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

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers	Fibers CC
		Start	End	On	Off				
092224-1	Outside Barrier Tape-North Side	5	5	7:30	11:00	2:10	1050	3.5	< 0.01
092224-2	Outside Barrier Tape-South Side	5	5	7:32	11:03	2:11	1055	2.5	< 0.01
092224-3	Outside Barrier Tape-West Side	5	5	7:35	11:05	2:10	1050	4	< 0.01
092224-4	Outside Barrier Tape-East Side	5	5	7:37	11:08	2:11	1055	2.5	< 0.01
092224-5	Outside Barrier Tape-North Side	5	5	11:00	13:10	1:30	650	3	< 0.01
092224-6	Outside Barrier Tape-South Side	5	5	11:03	13:12	1:29	645	2	< 0.01
092224-7	Outside Barrier Tape-East Side	5	5	11:05	13:15	1:30	650	4	< 0.01
092224-8	Outside Barrier Tape-West Side	5	5	11:08	13:18	1:30	650	2.5	< 0.01
092224-9	POST-Clearance	10	10	13:30	15:30	1:20	1200	4.5	< 0.01
092224-10	POST-Clearance	10	10	13:30	15:30	1:20	1200	3	< 0.01
092224-11	POST-Clearance	10	10	13:30	15:30	1:20	1200	2	< 0.01
092224-12	POST-Clearance	10	10	13:30	15:30	1:20	1200	3.5	< 0.01
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: John Ndanga
Date: 9/22/2024



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

AIR SAMPLE DATA SHEET

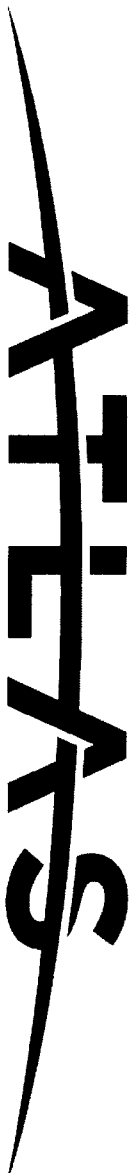
Client: _____ **Project Name:** Poolsville High School
Work Area: Room 14 **Date:** 9/22/2024
MCPS

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers	Fibers CC
		Start	End	On	Off				
092224-13	POST-Clearance	10	10	13:00	15:00	120	1200	3	< 0.01
092224-14	BLK								NFO
092224-15	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: John Ndanga
Date 9/22/2024

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

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



Clayton E. Miller Course Instructor

Location: Columbia, MD

November 18, 2023

Examination Date

November 18, 2024

Expiration Date

Course Date

9231 Rumsey Road Columbia, Maryland 21045 410-381-0232 Office 410-423-9235 Direct

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