

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: TRENCH
ABATEMENT OF PIPE INSULATION
DATE: 10/26/2024

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

October 27, 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) Trench
- III. MATERIAL TYPE: Pipe Insulation
- IV. ABATEMENT OPTION CHOSEN: Removal
- V. REASON: Renovation
- VI. MATERIAL QUANTITY REMOVED (PER LOCATION): Approximately 100 LF
- VII. PROJECT BEGINNING DATE: 10/26/2024
PROJECT ENDING DATE: 10/26/2024
- 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

October 27, 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 (Pipe insulation abatement in trench Phase 2):

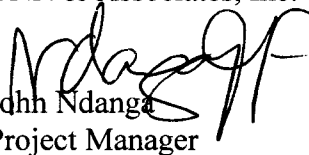
At the request of Montgomery County Public Schools (Division of Sustainability and Compliance), Yoti N.N. & Associates, Inc. (YNN) provided industrial hygiene, air-monitoring, and contractor oversight services during abatement of pipe insulation at Poolesville High School (Site). The Site is located at 17501 W. Willard Road in Poolesville, Maryland. The abatement operation was performed on October 26, 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 material in Phase 1 (pipe insulation) was abated in the trench as per the work scope.

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



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

Industrial Hygiene and Environmental Services

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DAILY LOG SHEET

Date: 10/26/2024

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 ACM pipe insulation and metal jacketing that is currently exposed in the trench area.
8:00	The crew from ASI is made up of seven workers and a supervisor. IH discussed work plan with supervisor. IH was informed that the crew will set up a containment with decon chamber, put the containment under negative pressure and remove pipe insulation. The crew moved supplies into the area and commenced setting up the containment. The crew will be utilizing duct tape, 6 mil poly and adhesive glue to set up the containment.
10:45	The crew completed setting up the containment and requested a pre-abatement visual inspection. IH inspected and passed the area. Two microtraps were set up. Negative pressure was achieved by flaps pulling inwards at the entrance. Appropriate signage was posted at the entrance into the containmennt. The crew was given authorization to commence removal. The crew dons PPE and commenced removal of pipe insulation in the trench. IH calibrated air air samplers at 5 l/m with a rotameter and commenced environmental air monitoring. The crew was observed utilizing an airless sprayer with amended water to wet down the material before abating. The crew was also misting the air utilizing the airless sprayer. The abated insulation was promptly bagged while still wet and loaded out into the trucked lined with 6 mil poly. No problems reported.
11:45	IH dons PPE and performed a walk through of the containment. The crew was in compliance. The crew was observed wetting down the material and promptly bagging it up as it was being removed. IH continued to perform air monitoring.
12:00	The crew decontaminated and exited the area for lunch break.
13:00	The crew returned from lunch break, dons PPE and continued to perform removal of pipe insulation. IH continued to perform air monitoring.
15:00	The crew continued to perform removal of pipe insulation/waste load out.
15:30	The crew completed removal/final cleaning and requested final visual inspection. IH dons PPE and performed final visual inspection. The pipe was abated, cut, washed down and removed from the containmennt. The poly was cleaned and encapsulated. IH calibrated air samplers with a rotameter at 10 l/m and commenced final clearance air sampling via PCM.
17:30	IH completed final clearance air sampling and performed air sample analysis.



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

Industrial Hygiene and Environmental Services

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DAILY LOG SHEET

Date: 10/26/2024

Job Name: Poolesville High School

Time	Remarks
	All air samples were below 0.01 f/cc. The crew tore down the containment.
18:00	The crew exited the Site.



AIR SAMPLE DATA SHEET

Client: MCPS **Project Name:** Poolsville High School
Work Area: Pipe in Trench **Date:** 10/26/2024

Sample NO.	Location / Code Relation to work	FLOW RATE		Time		Total Time	Total Volume	Fibers	Fibers CC
		Start	End	On	Off				
102624-1	Environmental-North Side	5	5	10:45	12:00	75	375	6	< 0.01
102624-2	Environmental-South Side	5	5	10:50	12:05	75	375	4.5	< 0.01
102624-3	Environmental-East Side	5	5	10:55	12:08	73	365	5.5	< 0.01
102624-4	Environmental-East Side	5	5	10:58	12:12	74	370	7	< 0.01
102624-5	Environmental-North Side	5	5	12:00	15:40	220	1100	4	< 0.01
102624-6	Environmental-South Side	5	5	12:05	15:45	220	1100	5.5	< 0.01
102624-7	Environmental-West Side	5	5	12:08	15:49	221	1105	4.5	< 0.01
102624-8	Environmental-East Side	5	5	12:12	15:51	219	1095	6.5	< 0.01
102624-9	POST (Final Clearance)	10	10	15:30	17:30	120	1200	4	< 0.01
102624-10	POST (Final Clearance)	10	10	15:30	17:30	120	1200	6.5	< 0.01
102624-11	POST (Final Clearance)	10	10	15:30	17:30	120	1200	4.5	< 0.01
102624-12	POST (Final Clearance)	10	10	15:30	17:30	120	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: 10/26/2024

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



Location: Columbia, MD

Clayton E. Miller Course Instructor

Handwritten signature of Clayton E. Miller in black ink.

Certificate Number

23-1103

November 18, 2023

Examination Date

November 18, 2024

November 18, 2023

Course Date

Expiration Date

9231 Rumsey Road Columbia, Maryland 21045

410-381-0232 Office

410-423-9235 Direct

Carla M. Gomez Course Director

Handwritten signature of Carla M. Gomez in black ink.

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



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

COURSE INSTRUCTOR

