SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Boggs Environmental Consultants, Inc

Report Date: 11/4/2025

Project Name: WCPS - Williamsport High School

Project #: MD25066

SanAir ID#: 25074228

NVLAP TESTING

NVLAP LAB CODE 200870-0

10501 Trade Court, North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | LabReports@SanAir.com | SanAir.com

SanAir ID Number
25074228
FINAL REPORT
11/4/2025 2:51:59 PM

Name: Boggs Environmental Consultants, Inc
Address: 200 West Main Street
Middletown, MD 21769
Phone: 301-694-5687

Project Number: MD25066
P.O. Number: MD25066
Project Name: WCPS - Williamsport High School
Collected Date: 11/3/2025
Received Date: 11/4/2025 10:15:00 AM

Dear Josh Faircloth,

We at SanAir would like to thank you for the work you recently submitted. The 5 sample(s) were received on Tuesday, November 04, 2025 via FedEx. The final report(s) is enclosed for the following sample(s): WHS-11325-1, WHS-11325-2, WHS-11325-3, WHS-11325-4, WHS-11325-5.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:
- 5 samples in Good condition.

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Received Date: 11/4/2025 10:15:00 AM

Analyst: Hayes, Dillon

Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E

Sample	Volume (Liters)	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures ≥ 0.5µ < 5	# Structures ≥ 5µ	Analytical Sensitivity (S/cc)	Reporting Limits LCL - UCL (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
25074228-001 WHS-11325-1	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
LL Gym Area: Interior Room #103 East										
25074228-002 WHS-11325-2	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
LL Gym Area: Interior Room #102 Center										
25074228-003 WHS-11325-3	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
LL Gym Area: Interior Room #99 North										
25074228-004 WHS-11325-4	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
LL Gym Area: Interior Room #101 Center										
25074228-005 WHS-11325-5	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
LL Gym Area: Interior Room #122 North										

Analyst: Dillon Hayes

Approved Signatory:

Analysis Date: 11/4/2025

Date: 11/4/2025

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Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E Worksheet

SanAir Sample ID: 25074228-001
Client Sample ID: WHS-11325-1
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-593
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/4/2025

Grid Orientation

	F

Grid ID	G.O. ID	Structure Number	ED Observation			Sketch	Length		Width	Structure Type	EDX Fiber Type	SAED Film ID	QC
			Non Asbestos	Chrysotile	Amphibole		≥ 0.5um < 5um	≥ 5um					
d4	f8	NSD									None		
d4	h5	NSD									None		
d4	j1	NSD									None		
d5	d3	NSD									None		
d5	e1	NSD									None		
25074228-001		Total:	0	0	0	Count:	0	0					

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Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E Worksheet

SanAir Sample ID: 25074228-002
Client Sample ID: WHS-11325-2
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-593
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/4/2025

Grid Orientation

	F

Grid ID	G.O. ID	Structure Number	ED Observation			Sketch	Length		Width	Structure Type	EDX Fiber Type	SAED Film ID	QC
			Non Asbestos	Chrysotile	Amphibole		≥ 0.5um < 5um	≥ 5um					
e1	g5	NSD									None		
e1	i5	NSD									None		
e1	j3	NSD									None		
e2	h2	NSD									None		
e2	h4	NSD									None		
25074228-002		Total:	0	0	0	Count:	0	0					

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Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E Worksheet

SanAir Sample ID: 25074228-003
Client Sample ID: WHS-11325-3
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-593
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/4/2025

Grid Orientation

	F

Grid ID	G.O. ID	Structure Number	ED Observation			Sketch	Length		Width	Structure Type	EDX Fiber Type	SAED Film ID	QC
			Non Asbestos	Chrysotile	Amphibole		≥ 0.5um < 5um	≥ 5um					
e3	g10	NSD									None		
e3	g6	NSD									None		
e3	g8	NSD									None		
e4	b7	NSD									None		
e4	b9	NSD									None		
25074228-003		Total:	0	0	0	Count:	0	0					

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Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E Worksheet

SanAir Sample ID: 25074228-004
Client Sample ID: WHS-11325-4
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-593
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/4/2025

Grid Orientation

	F

Grid ID	G.O. ID	Structure Number	ED Observation			Sketch	Length		Width	Structure Type	EDX Fiber Type	SAED Film ID	QC
			Non Asbestos	Chrysotile	Amphibole		≥ 0.5um < 5um	≥ 5um					
a6	b6	NSD									None		
a6	b8	NSD									None		
e5	f10	NSD									None		
e5	f8	NSD									None		
e5	h10	NSD									None		
25074228-004		Total:	0	0	0	Count:	0	0					

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Asbestos Air TEM AHERA, 40 CFR Part 763 Subpart E Worksheet

SanAir Sample ID: 25074228-005
Client Sample ID: WHS-11325-5
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-593
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/4/2025

Grid Orientation

	F

Grid ID	G.O. ID	Structure Number	ED Observation			Sketch	Length		Width	Structure Type	EDX Fiber Type	SAED Film ID	QC
			Non Asbestos	Chrysotile	Amphibole		≥ 0.5um < 5um	≥ 5um					
a7	d1	NSD									None		
a7	d3	NSD									None		
a7	d5	NSD									None		
a8	b3	NSD									None		
a8	b5	NSD									None		
25074228-005		Total:	0	0	0	Count:	0	0					

Disclaimer

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods – Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found 40 CFR, Part 763, Subpart E, Appendix A.

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies. Clearance test for AHERA samples from abatement projects requires a minimum of five samples inside the work site, five samples outside the work site, and three blanks. Samples are held for a period of 60 days.95% Confidence levels are reported using the upper and lower concentrations limits.

Laboratory Relative Standard Deviation: 0.3
Analyst RSD: D. Hayes 0.3, J. Tallert 0.3, S. Sobrino 0.3

1876 b Alternative Accuracy and Precision:
D. Hayes: 100%, J. Tallert: 100%, S. Sobrino: 100%

Asbestos Certifications:
National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0
City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460
Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397
California State Environmental Laboratory Accreditation Program Certificate Number 2915
Colorado Department of Public Health and Environment Registration Number AL-23143
Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105
Massachusetts Department of Labor Standards Asbestos Analytical Services Lic Number: AA000222
State of Maine Department of Environmental Protection License Number: LB-0075, LA-0084
New Jersey Department of Environmental Protection VA-014
New York State Department of Health Laboratory ID: 11983
State of Rhode Island Department of Health Certification No.: PCM00126, PLM00126, TEM00126
Texas Department of State Health Services License Number: 300440
Virginia Department of Professional and Occupational Regulation Number: 3333000323
State of Washington Department of Ecology Laboratory ID: C989
State of Hawaii Department of Health L-23-005
State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616
Vermont Department of Health License Number: Asb-Co-An-000006
Louisiana Department of Environmental Quality AI Number 212253, Certificate #05088

Revision Date: 1/25/2024

SanAir Technologies Laboratory
1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number: 250742228

Company: Boggs Environmental Consultants	Project #: MD25066	Collected by: Josh Faircloth
Address: 200 West Main Street	Project Name: WCPS - Williamsport High School	Phone #: 301-694-5687
City, St., Zip: Middletown, MD 21769	Date Collected: 11/3/2025	Fax #: 301-694-9799
State of Collection: MD Account#: 2845	P.O. Number: MD25066	Email: staff@boggsenvironmental.com

Bulk

ABB	PLM EPA 600/R-93/116	☐
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	■
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Water

ABHE	EPA 100.2	☐

Other

Matrix		
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ■	12 HR ☐	24 HR ☐
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start	Time* Stop
	Please See BEC Sample Log					
	Please Analyze Interior Samples Only					

Relinquished by	Date	Time	Received by	Date	Time
[illegible]	11/3/25	1245	MC	11/4/25	1015

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

2 S074228

BOGGS ENVIRONMENTAL CONSULTANTS

TEM AHERA AIR SAMPLING LOG

Date: 11/3/2025

BEC Staff: Josh Fiarcloth

Project #: MD25066

Abatement Contractor: Retro Environmental

Project Location: Williamsport High School - LL Gym Area
5 S Clifton Drive, Williamsport, MD 21795

Project Manager: Richard Robinson & Derrick Klein

Abatement Contractor License #: M21-24-107

Flow Rate Calibration (Rotameter, Dwyer Precision, Other): Dry Cal

Calibration Test Performed (Technician/Date): Josh Faircloth 11/3/2025

SAMPLE INFORMATION

Sample Number	Sample Location	Sample Description	Flow Rate Liters Per Minute			Sampling Period			Total Volume (L)
			Pre	Post	Average	Begin	End	Total Minutes	
WHS-11325-1	LL Gym Area: Interior Room #103 East	TEM INTERIOR	9.5	9.5	9.5	9:30	11:40	130	1,235
WHS-11325-2	LL Gym: Area: Interior Room #102 Center	TEM INTERIOR	9.5	9.5	9.5	9:31	11:41	130	1,235
WHS-11325-3	LL Gym Area: Interior Room #99 North	TEM INTERIOR	9.5	9.5	9.5	9:32	11:42	130	1,235
WHS-11325-4	LL Gym Area: Interior Room #101 Center	TEM INTERIOR	9.5	9.5	9.5	9:33	11:43	130	1,235
WHS-11325-5	LL Gym Area: Interior Room #122 North	TEM INTERIOR	9.5	9.5	9.5	9:34	11:44	130	1,235
WHS-11325-6	LL Gym Area: Exterior Room #126A Southwest	TEM EXTERIOR	9.5	9.5	9.5	9:44	11:54	130	1,235
WHS-11325-7	LL Gym Area: Exterior Room #134 South	TEM EXTERIOR	9.5	9.5	9.5	9:45	11:55	130	1,235
WHS-11325-8	LL Gym Area: Exterior Room #103 Southwest	TEM EXTERIOR	9.5	9.5	9.5	9:46	11:56	130	1,235
WHS-11325-9	LL Gym Area: Exterior Room #103 West	TEM EXTERIOR	9.5	9.5	9.5	9:47	11:57	130	1,235
WHS-11325-10	LL Gym Area: Exterior Room #103 Northwest	TEM EXTERIOR	9.5	9.5	9.5	9:48	11:58	130	1,235
WHS-11325-11	Field Blank Interior	QA/QC	x	x	x	x	x	x	x
WHS-11325-12	Field Blank Exterior	QA/QC	x	x	x	x	x	x	x
WHS-11325-13	Box Lot Media Blank	QA/QC	x	x	x	x	x	x	x

COMMENTS: TEM AHERA FINAL AIR CLEARANCE COLLECTED UTILIZING "AGGRESSIVE" SAMPLING TECHNIQUES WITH LEAF BLOWERS & BOX FANS

BEC Staff Signature

11/3/25
Date

ENVIRONMENTAL SCIENCE, ENGINEERING & INDUSTRIAL HYGIENE SERVICES

MC 11/4/25 10:15AM