SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Boggs Environmental Consultants, Inc

Report Date: 11/25/2025

Project Name: WCPS - Williamsport High School

Project #: MD25066

SanAir ID#: 25079677

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
25079677
FINAL REPORT
11/25/2025 4:44:38 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: 11/24/2025
Received Date: 11/25/2025 12:50:00 PM

Dear Derrick Klein,

We at SanAir would like to thank you for the work you recently submitted. The 5 sample(s) were received on Tuesday, November 25, 2025 via FedEx. The final report(s) is enclosed for the following sample(s): WHS-112425-1, WHS-112425-2, WHS-112425-3, WHS-112425-4, WHS-112425-5.

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: 11/25/2025 12:50:00 PM

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)
25079677-001 WHS-112425-1	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA #3: Interior: Room #200 Center										
25079677-002 WHS-112425-2	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA #3: Interior: Room #201 Center										
25079677-003 WHS-112425-3	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA #3: Interior: Room #202A Center										
25079677-004 WHS-112425-4	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA #3: Interior: Room #202C East										
25079677-005 WHS-112425-5	1235	0.0650 mm²	1	None Detected			0.0048		<15.00	<0.0048
WA #3: Interior: Room #202K Center										

Analyst: Dillon Hayes
Approved Signatory:
Analysis Date: 11/25/2025
Date: 11/25/2025

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

SanAir Sample ID: 25079677-001
Client Sample ID: WHS-112425-1
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-627
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/25/2025

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	e1	NSD									None		
e1	e3	NSD									None		
e1	e5	NSD									None		
e2	a2	NSD									None		
e2	a4	NSD									None		
25079677-001		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: 25079677-002
Client Sample ID: WHS-112425-2
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-627
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/25/2025

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	c2	NSD									None		
e3	c4	NSD									None		
e3	c6	NSD									None		
e4	h10	NSD									None		
e4	h8	NSD									None		
25079677-002		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: 25079677-003
Client Sample ID: WHS-112425-3
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-627
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/25/2025

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	b1	NSD									None		
a6	b3	NSD									None		
e5	f1	NSD									None		
e5	f3	NSD									None		
e5	f5	NSD									None		
25079677-003		Total:	0	0	0	Count:	0	0					

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Middletown, MD 21769
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Project Number: MD25066
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Received Date: 11/25/2025 12:50:00 PM

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

SanAir Sample ID: 25079677-004
Client Sample ID: WHS-112425-4
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-627
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/25/2025

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	d2	NSD									None		
a7	d4	NSD									None		
a7	f3	NSD									None		
a8	i6	NSD									None		
a8	i8	NSD									None		
25079677-004		Total:	0	0	0	Count:	0	0					

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Received Date: 11/25/2025 12:50:00 PM

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

SanAir Sample ID: 25079677-005
Client Sample ID: WHS-112425-5
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-627
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/25/2025

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					
a10	g3	1	N								Non-Asbestos	0	
a10	g5	NSD									None		
a9	h2	NSD									None		
a9	h4	NSD									None		
a9	h6	NSD									None		
25079677-005		Total:	1	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: 25079677

Company: Boggs Environmental Consultants	Project #: MD25066	
Address: 200 West Main Street	Project Name: WCPS - Williamsport High School	Collected by: Derrick Klein
City, St., Zip: Middletown, MD 21769	Date Collected: 11/24/2025	Phone #: 509-205-8863
State of Collection: MD Account#: 2845	P.O. Number: MD25066	Fax #: 301-694-9799
		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%)	☐

Water

ABHE	EPA 100.2	☐

New York ELAP

PLM NY	PLM DO@600/M4,82,020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Dust

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

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 Attached BEC Logsheet					
	Please Analyze Interior Samples Only					

Relinquished by	Date	Time	Received by	Date	Time
Derrick Klein	11/24/2025	1645	MN	11/25/25	12:50pm

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.

BOGGS
ENVIRONMENTAL CONSULTANTS

25079677

TEM AHERA AIR SAMPLING LOG

Date: 11/24/2025

BEC Staff: Derrick Klein & Dillon Langston

Project #: MD25066

Abatement Contractor: Retro Environmental

Project Location: Williamsport High School - Upper Level
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): Derrick Klein 11/24/2025

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-112425-1	WA #3: Interior: Room #200 Center	TEM INTERIOR	9.5	9.5	9.5	942	1152	130	1,235
WHS-112425-2	WA #3: Interior: Room #201 Center	TEM INTERIOR	9.5	9.5	9.5	943	1153	130	1,235
WHS-112425-3	WA #3: Interior: Room #202A Center	TEM INTERIOR	9.5	9.5	9.5	944	1154	130	1,235
WHS-111425-4	WA #3: Interior: Room #202C East	TEM INTERIOR	9.5	9.5	9.5	945	1155	130	1,235
WHS-112425-5	WA #3: Interior: Room #202K Center	TEM INTERIOR	9.5	9.5	9.5	946	1156	130	1,235
WHS-112425-6	WA #3: Exterior: Northeast	TEM EXTERIOR	9.5	9.5	9.5	951	1201	130	1,235
WHS-112425-7	WA #3: Exterior: North Center	TEM EXTERIOR	9.5	9.5	9.5	952	1202	130	1,235
WHS-112425-8	WA #3: Exterior: Northwest	TEM EXTERIOR	9.5	9.5	9.5	953	1203	130	1,235
WHS-112425-9	WA #3: Exterior: South	TEM EXTERIOR	9.5	9.5	9.5	955	1205	130	1,235
WHS-112425-10	WA #3: Exterior: South	TEM EXTERIOR	9.5	9.5	9.5	956	1206	130	1,235
WHS-112425-11	Field Blank Interior	QA/QC	x	x	x	x	x	x	x
WHS-112425-12	Field Blank Exterior	QA/QC	x	x	x	x	x	x	x
WHS-112425-13	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 A LEAF BLOWER & BOX FAN

BEC Staff Signature

Date 11/24/2025

MN 11/25/25 12:50pm

ENVIRONMENTAL SCIENCE, ENGINEERING & INDUSTRIAL HYGIENE SERVICES