SanAir Technologies Laboratory

The Identification Specialists

Analysis Report
prepared for
Boggs Environmental Consultants, Inc

Report Date: 11/12/2025

Project Name: WCPS - Williamsport High School

Project #: MD25066

SanAir ID#: 25076492

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
25076492
FINAL REPORT
11/12/2025 3:42:19 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: 11/11/2025
Received Date: 11/12/2025 10:20:00 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 Wednesday, November 12, 2025 via FedEx. The final report(s) is enclosed for the following sample(s): WHS-111125-1, WHS-111125-2, WHS-111125-3, WHS-111125-4, WHS-111125-5.

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
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: 11/12/2025 10:20:00 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)
25076492-001 WHS-111125-1	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA#1: Interior: Room #194 Southwest										
25076492-002 WHS-111125-2	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA#1: Interior: Room #175 West										
25076492-003 WHS-111125-3	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA#1: Interior: Room #179 Northeast										
25076492-004 WHS-111125-4	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA#1: Interior: Room #186 North										
25076492-005 WHS-111125-5	1235	0.0650 mm²	0	None Detected			0.0048		<15.00	<0.0048
WA#1: Interior: Room #189 Center										

Analyst: Dillon Hayes
Approved Signatory:
Analysis Date: 11/12/2025
Date: 11/12/2025

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

SanAir Sample ID: 25076492-001
Client Sample ID: WHS-111125-1
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-608
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/12/2025

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	e7	NSD									None		
a7	e9	NSD									None		
a7	g9	NSD									None		
a8	g10	NSD									None		
a8	g8	NSD									None		
25076492-001		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: 25076492-002
Client Sample ID: WHS-111125-2
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-608
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/12/2025

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	e10	NSD									None		
a10	f8	NSD									None		
a9	d1	NSD									None		
a9	d3	NSD									None		
a9	d5	NSD									None		
25076492-002		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: 25076492-003
Client Sample ID: WHS-111125-3
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-608
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/12/2025

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					
b6	b3	NSD									None		
b6	b5	NSD									None		
b6	b7	NSD									None		
b7	i3	NSD									None		
b7	i5	NSD									None		
25076492-003		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: 25076492-004
Client Sample ID: WHS-111125-4
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-608
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/12/2025

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					
b8	f1	NSD									None		
b8	f3	NSD									None		
b8	h1	NSD									None		
b9	c5	NSD									None		
b9	c7	NSD									None		
25076492-004		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: 25076492-005
Client Sample ID: WHS-111125-5
Instrument ID: Hitachi TEM Scope #1
Magnification: 20 K
AV: 100Kv

Grid Box ID: 25-608
G.O.A.: 0.013 mm sq.
No. G.O. Analyzed: 5
Analyst: Hayes, Dillon
Date: 11/12/2025

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					
b10	i4	NSD									None		
b10	i6	NSD									None		
b10	j8	NSD									None		
c6	h7	NSD									None		
c6	h9	NSD									None		
25076492-005		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: 25076492

Company: Boggs Environmental Consultants	Project #: MD25066	Collected by: Josh Faircloth
Address: 200 West Main Street	Project Name: WCPS - Williamsport High School	Phone #: 509-205-8863
City, St., Zip: Middletown, MD 21769	Date Collected: 11/11/2025	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	☐

Water

ABHE	EPA 100.2	☐

Air

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

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	☐

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	☐

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
[signature]	11/11/25	1645	MC	11/12/25	10:20AM

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.

Page 1 of 1

2507 6492

BOGGS ENVIRONMENTAL CONSULTANTS

TEM AHERA AIR SAMPLING LOG

Date: 11/11/2025

BEC Staff: Josh Faircloth

Project #: MD25066

Abatement Contractor: Retro Environmental

Project Location: Williamsport High School - Lower 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): Josh Faircloth 11/11/2025

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-111125-1	WA#1: Interior: Room #194 Southwest	TEM INTERIOR	9.5	9.5	9.5	1200	1410	130	1,235
WHS-111125-2	WA#1: Interior: Room #175 West	TEM INTERIOR	9.5	9.5	9.5	1201	1411	130	1,235
WHS-111125-3	WA#1: Interior: Room #179 Northeast	TEM INTERIOR	9.5	9.5	9.5	1202	1412	130	1,235
WHS-111125-4	WA#1: Interior: Room #186 North	TEM INTERIOR	9.5	9.5	9.5	1203	1413	130	1,235
WHS-111125-5	WA#1: Interior: Room #189 Center	TEM INTERIOR	9.5	9.5	9.5	1204	1414	130	1,235
WHS-111125-6	WA#1: Exterior Lower Level Northwest	TEM EXTERIOR	9.5	9.5	9.5	1214	1424	130	1,235
WHS-111125-7	WA#1: Exterior Lower Level West	TEM EXTERIOR	9.5	9.5	9.5	1215	1425	130	1,235
WHS-111125-8	WA#1: Exterior Lower Level Southwest	TEM EXTERIOR	9.5	9.5	9.5	1216	1426	130	1,235
WHS-111125-9	WA#1: Exterior Lower Level South	TEM EXTERIOR	9.5	9.5	9.5	1217	1427	130	1,235
WHS-111125-10	WA#1: Exterior Upper Level East	TEM EXTERIOR	9.5	9.5	9.5	1218	1428	130	1,235
WHS-111125-11	Field Blank Interior	QA/QC	x	x	x	x	x	x	x
WHS-111125-12	Field Blank Exterior	QA/QC	x	x	x	x	x	x	x
WHS-111125-13	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 BLOWERS & BOX FANS

BEC Staff Signature

11/11/25
Date

MC 11/12/25 10-2997