



**Solutions for all your Environmental and OSHA Concerns**

**September 28, 2020**

## **Asbestos Inspection Report**

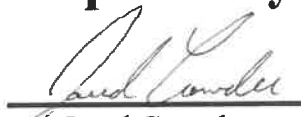
### **Project Location:**

7875 Wood Haven Road  
Roanoke, Virginia

### **Prepared For:**

Western Virginia Regional Industrial Facility Authority  
PO Box 2569  
Roanoke, VA 24010

### **Prepared By:**

  
Jared Crowder  
Asbestos Inspector

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## SCOPE OF WORK

HDH Technical, Inc. was contracted by Western Virginia Regional Industrial Facility Authority to provide an asbestos inspection at the structure located at 7875 Wood Haven Road, Roanoke, Virginia. The inspection was conducted by personnel trained and licensed in accordance with the regulations of the Environmental Protection Agency (EPA) and the Commonwealth of Virginia. This inspection was performed using current EPA AHERA standards. This protocol was used for the determination, sampling and analysis of suspected Asbestos Containing Materials (ACM).

## ASBESTOS INSPECTION

An inspection of the structure at 7875 Wood Haven Road was performed September 22, 2020 by representatives of HDHT. The objective of this inspection was to determine the location of suspect asbestos-containing materials (ACM) currently located on the interior or exterior of this structure that may be disturbed by upcoming demolition activities.

As the sample summary indicates, the following suspect materials sampled were reported to be asbestos containing by the laboratory:

- Light Shield – Living Room Light Fixture

These NON-Friable asbestos containing materials should be removed prior to demolition activities at this location. Removal should be performed by licensed, contract personnel using approved methods.

*Friable Asbestos Material:* Material when dry, may be crumbled, pulverized or reduced to powder by hand pressure and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry is may be crumbled, pulverized, or reduced to powder by hand pressure.

*Non-friable Asbestos Material:* Material that contains asbestos in which the fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not release fibers during any appropriate use, handling, demolition, storage, transportation, processing or disposal.

This information should be provided to all contract personnel for their use in meeting current OSHA requirements. Every attempt was made to gain access to all areas or to assess representative materials entering or leaving the area. HDH Technical, Inc. accepts no liability nor makes any claims regarding ACBM which was not accessible during the inspection process if such material was located behind or within walls, concrete decks, subfloors, or was generally inaccessible without destructive sampling. If any additional suspect materials are identified during the course of the project, the contractor is to immediately stop work and contact the Owner for further direction.

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## **Sample Summary**

# 7875 Wood Haven Road

LAB #	SAMPLE ID	SAMPLE DESCRIPTION	RESULT	%
20053289 -001	WG 1.1	Window Glazing- Detached Garage	ND	-
20053289 -002	WG 1.2	Window Glazing- Detached Garage	ND	-
20053289 -003	RS 2.1	Roof Shingle- Detached Garage	ND	-
20053289 -004	RS 2.2	Roof Shingle- Detached Garage	ND	-
20053289 -005	FP 3.1	Felt Paper- Under RS 2- Detached Garage	ND	-
20053289 -006	FP 3.2	Felt Paper- Under RS 2- Detached Garage	ND	-
20053289 -007	DF 4.1	Door Framing- Detached Garage	ND	-
20053289 -008	DF 4.2	Door Framing- Detached Garage	ND	-
20053289 -009	RS 5.1	Roof Shingle	ND	-
20053289 -010	RS 5.2	Roof Shingle	ND	-
20053289 -011	FP 6.1	Felt Paper- Under RS 5	ND	-
20053289 -012	FP 6.2	Felt Paper- Under RS 5	ND	-
20053289 -013	LN 7.1	Linoleum- Upstairs Bathroom	ND	-
20053289 -014	LN 7.2	Linoleum- Upstairs Bathroom	ND	-
20053289 -015	TC 8.1	Textured Ceiling	ND	-
20053289 -016	TC 8.2	Textured Ceiling	ND	-
20053289 -017	TC 8.3	Textured Ceiling	ND	-
20053289 -018	SR 9.1	Sheetrock	ND	-
20053289 -019	SR 9.2	Sheetrock	ND	-
20053289 -020	SR 9.3	Sheetrock	ND	-
20053289 -021	JC 10.1	Joint Compound	ND	-
20053289 -022	JC 10.2	Joint Compound	ND	-
20053289 -023	JC 10.3	Joint Compound	ND	-
20053289 -024	LS 11.1	Light Sheild Insulation	■	45%
20053289 -025	LS 11.2	Light Sheild Insulation	NA	PS
20053289 -026	LN 12.1	Linoleum- Downstairs Bathroom	ND	-
20053289 -027	LN 12.2	Linoleum- Downstairs Bathroom	ND	-
20053289 -028	LN 13.1	Linoleum- Master Bathroom	ND	-
20053289 -029	LN 13.2	Linoleum- Master Bathroom	ND	-
20053289 -030	BI 14.1	Blown Insulation	ND	-
20053289 -031	BI 14.2	Blown Insulation	ND	-
20053289 -032	BI 14.3	Blown Insulation	ND	-

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# Laboratory Report



SanAir ID Number  
 20053289  
 FINAL REPORT  
 9/28/2020 12:34:31 PM

**Name:** HDH Technical, Inc.  
**Address:** P.O. Box 6158  
 Christiansburg, VA 24073  
**Phone:** 540-381-7999

**Project Number:** WVRIFA  
**P.O. Number:**  
**Project Name:** 7875 Wood Haven Rd  
**Collected Date:** 9/22/2020  
**Received Date:** 9/24/2020 10:10:00 AM

Analyst: Childress, Susan

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
WG 1.1 / 20053289-001 Window Glazing-Detached Garage	Beige Non-Fibrous Homogeneous		100% Other	None Detected
WG 1.2 / 20053289-002 Window Glazing-Detached Garage	Beige Non-Fibrous Homogeneous		100% Other	None Detected
RS 2.1 / 20053289-003 Roof Shingle-Detached Garage	Grey Non-Fibrous Heterogeneous	10% Glass	90% Other	None Detected
RS 2.2 / 20053289-004 Roof Shingle-Detached Garage	Grey Non-Fibrous Heterogeneous	10% Glass	90% Other	None Detected
FP 3.1 / 20053289-005 Felt Paper-Under RS 2-Detached Garage	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
FP 3.2 / 20053289-006 Felt Paper-Under RS 2-Detached Garage	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
DF 4.1 / 20053289-007 Door Framing-Detached Garage	Grey Non-Fibrous Homogeneous		100% Other	None Detected
DF 4.2 / 20053289-008 Door Framing-Detached Garage	Grey Non-Fibrous Homogeneous		100% Other	None Detected
RS 5.1 / 20053289-009 Roof Shingle	Grey Non-Fibrous Heterogeneous	10% Glass	90% Other	None Detected
RS 5.2 / 20053289-010 Roof Shingle	Grey Non-Fibrous Heterogeneous	10% Glass	90% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *[Signature]*

Analysis Date: 9/25/2020

Date: 9/28/2020



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### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
FP 6.1 / 20053289-011 Felt Paper-Under RS 5	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
FP 6.2 / 20053289-012 Felt Paper-Under RS 5	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
LN 7.1 / 20053289-013 Linoleum-Upstairs Bathroom	Cream Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
LN 7.2 / 20053289-014 Linoleum-Upstairs Bathroom	Cream Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
TC 8.1 / 20053289-015 Textured Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected
TC 8.2 / 20053289-016 Textured Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected
TC 8.3 / 20053289-017 Textured Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected
SR 9.1 / 20053289-018 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
SR 9.2 / 20053289-019 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
SR 9.3 / 20053289-020 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *[Signature]*

Analysis Date: 9/25/2020

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Analyst: Childress, Susan

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
JC 10.1 / 20053289-021 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
JC 10.2 / 20053289-022 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
JC 10.3 / 20053289-023 Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
LS 11.1 / 20053289-024 Light Shield Insulation	Grey Fibrous Homogeneous	40% Cellulose	15% Other	45% Chrysotile
LS 11.2 / 20053289-025 Light Shield Insulation				Not Analyzed
LN 12.1 / 20053289-026 Linoleum-Downstairs Bathroom	Various Non-Fibrous Homogeneous	40% Cellulose	60% Other	None Detected
LN 12.2 / 20053289-027 Linoleum-Downstairs Bathroom	Various Non-Fibrous Homogeneous	40% Cellulose	60% Other	None Detected
LN 13.1 / 20053289-028 Linoleum-Master Bathroom	White Non-Fibrous Homogeneous		100% Other	None Detected
LN 13.2 / 20053289-029 Linoleum-Master Bathroom	White Non-Fibrous Homogeneous		100% Other	None Detected
BI 14.1 / 20053289-030 Blown Insulation	White Fibrous Homogeneous	98% Glass	2% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *[Signature]*

Analysis Date: 9/25/2020

Date: 9/28/2020



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**Collected Date:** 9/22/2020  
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Analyst: Childress, Susan

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
BI 14.2 / 20053289-031 Blown Insulation	White Fibrous Homogeneous	98% Glass	2% Other	None Detected
BI 14.3 / 20053289-032 Blown Insulation	White Fibrous Homogeneous	98% Glass	2% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *[Signature]*

Analysis Date: 9/25/2020

Date: 9/28/2020

## Disclaimer

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 on the report. 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.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

### NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

### Asbestos Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



1551 Oakbridge Drive Suite B  
 Powhatan, VA 23139  
 804-807-1177 / 888-895-1175  
 Fax 804-897-0070  
 www.sanair.com

**Asbestos  
 Chain of Custody**

SanAir ID Number
20053289

Company: <b>HDH Technical, Inc</b>	Project #: <b>WVRIFA</b>	Collected by: <b>F Danner</b>
Address: <b>400 West Main Street</b>	Project Name: <b>7875 Wood Haven Rd</b>	Phone #: <b>540-381-7999</b>
City, St, Zip: <b>Christiansburg, VA 24073</b>	Date Collected: <b>9/22/2020</b>	Email: <b>rriebaka@hdhassociates.com</b>
State of Collection: <b>VA</b> Account #: <b>1769</b>	P.O. Number:	Email: <b>fdanner@hdhassociates.com</b>

Bulk		Air		Soil/Vermiculite	
ABB	PLM EPA 600/R 93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R 93/116 (Qual) <input type="checkbox"/>
	Positive Stop <input checked="" type="checkbox"/>	ABA-2	OSHA w TWA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0 25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0 1%) <input type="checkbox"/>
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				
Water		New York ELAP		Dust	
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198 1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198 6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
		ABBNY	NY ELAP 198 4 TEM NOB <input type="checkbox"/>		

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (6HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input checked="" type="checkbox"/>
	2 Days <input type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input type="checkbox"/>

Special Instructions:	
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SAMPLE ID	SAMPLE DESCRIPTION
WG 1.1	Window Glazing- Detached Garage
WG 1.2	Window Glazing- Detached Garage
RS 2.1	Roof Shingle- Detached Garage
RS 2.2	Roof Shingle- Detached Garage
FP 3.1	Felt Paper- Under RS 2- Detached Garage
FP 3.2	Felt Paper- Under RS 2- Detached Garage
DF 4.1	Door Framing- Detached Garage
DF 4.2	Door Framing- Detached Garage
RS 5.1	Roof Shingle
RS 5.2	Roof Shingle
FP 6.1	Felt Paper- Under RS 5

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
F Danner	9/22/2020	5:30 PM	FedEx	9/22/2020	5:30 PM
			<i>CB</i>	9/24/20	10:10 am

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.

20053289

SAMPLE ID	SAMPLE DESCRIPTION
FP 6.2	Felt Paper- Under RS 5
LN 7.1	Linoleum- Upstairs Bathroom
LN 7..2	Linoleum- Upstairs Bathroom
TC 8.1	Textured Ceiling
TC 8.2	Textured Ceiling
TC 8.3	Textured Ceiling
SR 9.1	Sheetrock
SR 9.2	Sheetrock
SR 9.3	Sheetrock
JC 10.1	Joint Compound
JC 10.2	Joint Compound
JC 10.3	Joint Compound
LS 11.1	Light Sheild Insulation
LS 11.2	Light Sheild Insulation
LN 12.1	Linoleum- Downstairs Bathroom
LN 12.2	Linoleum- Downstairs Bathroom
LN 13.1	Linoleum- Master Bathroom
LN 13.2	Linoleum- Master Bathroom
BI 14.1	Blown Insulation
BI 14.2	Blown Insulation

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
F Danner	9/22/2020	5:30 PM	FedEx	9/22/2020	5:30 PM
			(S)	9/24/20	10:15 AM

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.



SanAir ID Number

20053289

FINAL REPORT

9/28/2020 12:34:31 PM

**Name:** HDH Technical, Inc.  
**Address:** P.O. Box 6158  
Christiansburg, VA 24073  
**Phone:** 540-381-7999

**Project Number:** WVRIFA  
**P.O. Number:**  
**Project Name:** 7875 Wood Haven Rd  
**Collected Date:** 9/22/2020  
**Received Date:** 9/24/2020 10:10:00 AM

Dear Fred Danner,

We at SanAir would like to thank you for the work you recently submitted. The 32 sample(s) were received on Thursday, September 24, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): WG 1.1, WG 1.2, RS 2.1, RS 2.2, FP 3.1, FP 3.2, DF 4.1, DF 4.2, RS 5.1, RS 5.2, FP 6.1, FP 6.2, LN 7.1, LN 7.2, TC 8.1, TC 8.2, TC 8.3, SR 9.1, SR 9.2, SR 9.3, JC 10.1, JC 10.2, JC 10.3, LS 11.1, LS 11.2, LN 12.1, LN 12.2, LN 13.1, LN 13.2, BI 14.1, BI 14.2, BI14.3.

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:

- 32 samples in Good condition.

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## Photos

## **7875 Wood Haven Road**



**The Light Shield on the living room light fixture was found to be Asbestos Containing by the laboratory.**



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## **Applicable Licenses**

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation  
9960 Mayland Drive, Suite 400, Richmond, VA 23233  
Telephone: (804) 367-8500

EXPIRES ON  
12-31-2020

NUMBER  
3303004480

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS  
ASBESTOS INSPECTOR LICENSE



JARED ALLEN CROWDER  
1750 LANCING DR  
APT 250  
SALEM, VA 24153



*[Signature]*  
Virginia Registrar

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-LIC (02/2017)