KOONTZ BRYANT
JOHNSON WILLIAMS

January 7, 2022

Hollie R. Casey, CAP, VCA, VCCO
Procurement Officer
Dinwiddie County, Virginia

Via Email: hcasey@dinwiddieva.us

RE: Hazardous Materials Testing Report
Contract # 22-0005
Pamplin Building Roof Asbestos Sampling
Dinwiddie, Virginia 23841
KBJW Project No. 2021-2021

Dear Hollie,

Koontz Bryant Johnson Williams Inc. (KBJW) is pleased to provide you this summary report for the asbestos sampling conducted at the referenced property.

INTRODUCTION

Ms. Hollie Casey requested an asbestos survey of the Pamplin Building roof located at 14016 Boydton Plank Road, Dinwiddie, Virginia 23841. On January 5, 2021, Mr. Ron Etter, a licensed Virginia Asbestos Building Inspector (License No: 3303001589; Attachment A) conducted a visual inspection and collected bulk samples of suspect asbestos containing building materials (ACBM) from readily accessible areas of the roof. Bulk samples were submitted to Environmental Hazards Services (EHS) Labs in Chesterfield, Virginia for analysis.

METHODOLOGY – Bulk Sampling

Bulk samples of suspect ACBM were collected of select materials and placed into sealable, plastic bags. Each sample bag was labelled with a unique sample ID number and the ID number, location, and description of the sample was recorded on the field sample log. The samples were submitted for analysis via polarized light microscopy (PLM) for one day turnaround time.

The PLM method is the most commonly used method to analyze building materials to determine asbestos content. This method utilizes the optical properties of minerals to identify the selected constituent, enabling the identification of the type and percentage of asbestos in a sample. The PLM method has a detection limit of approximately one (1)percent asbestos.

A total of 11 bulk asbestos samples were collected and submitted under chain of custody protocols, to EHS Laboratories of Chesterfield, Virginia, a Virginia Licensed Asbestos accredited laboratory (VELAP 460172) for bulk asbestos analysis via PLM.

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FINDINGS

The flat, built-up roof consists of two roof systems, the original graveled covered roof with a smooth, coated roof installed over the original roof. The roof system consists of several layers of asphalt coated roofing felts, gravel, perlite board and foam insulation. The roof has parapet walls along the perimeter. HVAC units are mounted in the middle of the roof, rain drains and vents are located at various locations on the roof.

The visual inspection revealed suspect ACBM, including the felts of the roof field, flashing on the parapet walls, flashing on the HVAC mounts, and roofing tar around the penetrations.

A summary of the sampling and analysis results (Attachment B) is presented in the following table. Sample locations are shown on Figure 1.

Sample ID	Description	Asbestos Percent/Type	Condition
D-1	Field roofing felts, insulation	NAD	Good
D-2	Field roofing felts, insulation	NAD	Good
D-3	Field roofing felts, insulation	NAD	Good
D-4	Field roofing felts, insulation	NAD	Good
D-5	Field roofing felts, insulation	NAD	Good
D-6	Field roofing felts, insulation	NAD	Good
D-7	Flashing parapet wall	NAD	Good
D-8	Flashing parapet wall	NAD	Good
D-9	Flashing parapet wall	NAD	Good
D-10	Flashing, pitch pocket HVAC	Trace <1%	Good
D-11	Flashing parapet wall	NAD	Good

NAD – No Asbestos Detected

CONCLUSIONS

Asbestos containing material (ACM) means any material containing more than 1% asbestos. No ACM was identified in the areas surveyed.

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RECOMMENDATIONS

In the event that suspect ACBM, that were not included in this survey, are discovered, they must be assumed to contain asbestos until they are sampled and analyzed to determine their asbestos content, if any.

LIMITATIONS

The field observations, measurements, and research conducted during the execution of this survey are considered adequate in detail and scope to determine the asbestos content of the sampled material in the areas identified by the survey. The findings, conclusions, and recommendations presented in this report are based on specifically limited data. They do not represent all conditions at the subject property.

This report was prepared pursuant to the contract between KBJW and Dinwiddie County. Reliance, or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited. KBJW makes no warranties or representations, expressed, or implied in this report to third parties.

This limited asbestos survey was prepared to provide the Client with information concerning the apparent conditions at the specific locations of accessible materials on the date the survey was conducted. Due to the nature of the work, it is possible that conditions exist that could not be identified within the scope of the survey, or which were not apparent during the visual assessment of the structure. This report is limited only to the samples collected at the locations indicated. Additional sampling and analysis may be required to identify previously inaccessible areas or unidentified areas discovered during demolition activities.

Respectfully,

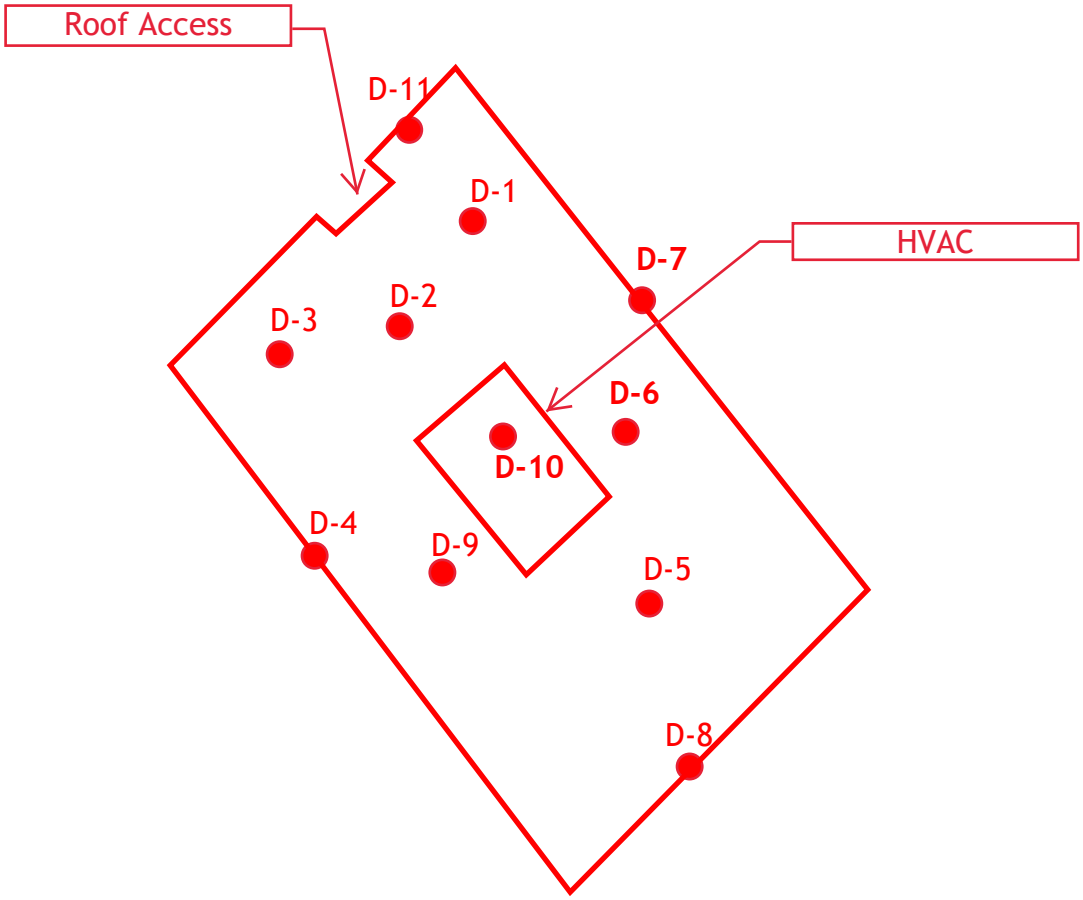
Ronald W. Etter
Virginia Asbestos Building Inspector (License No: 3303001589)

cc: J. Patterson, KBJW

Attachments: Figure 1 – Sample Locations
Appendix A – Inspector Certification
Appendix B – Asbestos Bulk Analysis Report

FIGURE 1

SAMPLE LOCATIONS



● Sample Locations

Not to Scale

N

KOONTZ BRYANT JOHNSON WILLIAMS	Sample Locations Pamplin Building Dinwiddie, Virginia	Date: January 7, 2022 Project No. 2021-2021	Figure No: 1

APPENDIX A

INSPECTOR CERTIFICATION

COMMONWEALTH of VIRGINIA

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

EXPIRES ON
08-31-2022

NUMBER
3303001589

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

RONALD WAYNE ETTER
220 PINE LANE
KING WILLIAM, VA 23086

DPOR

Mary Broz-Vaughan, Director

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

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

APPENDIX B

ASBESTOS BULK ANALYSIS REPORT

Asbestos Bulk Analysis Report

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 22-01-00495

Client: Ronald Etter
PO Box 201
King William, VA 23086

Received Date: 01/05/2022
Analyzed Date: 01/06/2022
Reported Date: 01/06/2022

Project/Test Address: Pamplin Bldg Roof; Dinwiddie, VA

Client Number: 201608

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-01-00495-001	D-1		White Aggregate; Pale Yellow Foam; Black Tar-Like Fibrous; Yellow Fibrous; Inhomogeneous	NAD	22% Cellulose 34% Fibrous Glass 8% Synthetic 36% Non-Fibrous
22-01-00495-002	D-2		White Aggregate; Pale Yellow Foam; Black Tar-Like Fibrous; Brown Fibrous; Inhomogeneous	NAD	34% Cellulose 8% Fibrous Glass 14% Synthetic 44% Non-Fibrous
22-01-00495-003	D-3		Pale Yellow Foam; White Pliable; Black Tar-Like Fibrous; Inhomogeneous	NAD	35% Cellulose 8% Fibrous Glass 14% Synthetic 43% Non-Fibrous
22-01-00495-004	D-4		Pale Yellow Foam; White Pliable; Black Tar-Like Fibrous; Inhomogeneous	NAD	35% Cellulose 16% Fibrous Glass 7% Synthetic 42% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201608 Report Number: 22-01-00495

Project/Test Address: Pamplin Bldg Roof; Dinwiddie, VA

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
22-01-00495-005	D-5		Pale Yellow Foam; White Pliable; Black Tar-Like Fibrous; Inhomogeneous	NAD	45% Cellulose 8% Fibrous Glass 10% Synthetic 37% Non-Fibrous
22-01-00495-006	D-6		Pale Yellow Foam; White Pliable; Black Tar-Like Fibrous; Inhomogeneous	NAD	40% Cellulose 10% Fibrous Glass 12% Synthetic 38% Non-Fibrous
22-01-00495-007	D-7		White Pliable; Yellow Fibrous; Black Tar-Like; Inhomogeneous	NAD	38% Fibrous Glass 14% Synthetic 48% Non-Fibrous
22-01-00495-008	D-8		White Pliable; Black Tar-Like; Inhomogeneous	NAD	16% Synthetic 84% Non-Fibrous
22-01-00495-009	D-9		Black Tar-Like Fibrous; Homogeneous	NAD	24% Synthetic 76% Non-Fibrous
22-01-00495-010	D-10		White Pliable; Black Tar-Like Fibrous; Inhomogeneous	Trace <1% Chrysotile	14% Synthetic 86% Non-Fibrous
				Total Asbestos: Trace <1%	
3% Chrysotile present in tar-like material under white pliable material.					
22-01-00495-011	D-11		White Pliable; Silver Paint; Black Tar-Like Fibrous; Inhomogeneous	NAD	16% Synthetic 84% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201608 Report Number: 22-01-00495

Project/Test Address: Pamplin Bldg Roof; Dinwiddie, VA

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials

QC Sample: 48-M12017-2

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Sami Hosn

Reviewed By Authorized Signatory: Melissa Kanode

Melissa Kanode
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Company Name	KBJW	Account #	
Company Address	1711 Whitepine Rd	City/State/Zip	N. Chesterfield
Phone	804.350.9358	Email	
Project Name/Test Address	Pamplin BLDG Roof Dinwiddie VA,		
PO Number	2021-2021	Collected By	RW Etter

Turn-Around Time: ☑ 3 DAY ☐ 2 DAY ☐ 1 DAY ☐ SAME DAY OR WEEKEND - Must Call Ahead

☐ PLM New York Protocol ☐ PLM New Jersey Protocol ☐ PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK				AIR						COMMENTS
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402	Time In Total Minutes	Flow Rate In L/Min	Volume In Total Liters	
1	D-1			1/5/22 10:15											Field
2	D-2			10:25											
3	D-3			10:40											
4	D-4			11:00											
5	D-5			12:00											
6	D-6			1220											
7	D-7			1240											Flash
8	D-8			1300											
9	D-9			1325											
10	D-10			1340											
11	D-11			1400											
12															
13															
14															
15															

Released By: RW Etter Date: 1/5/22 Time: 1500

Signature:

LAB USE ONLY – BELOW THIS LINE

Received By: A. Walker

Signature: A. Walker

Date: 01/05/2022 Time: 3:29 ☐ AM ☑ PM

☐ Portal Contact Added

22-01-00495

Due Date: 01/10/2022 (Monday) 11pm

E

S

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com