

TAFF & FRYE Co. Inc.

Environmental Management

Business Office
1921 Island Rd.
Bristol, VA 24201

Phone (276) 466-4134
Fax (276) 669-7293
Field Ph. (423) 502-8518

February 6, 2018
Douglas Price
1324 E. Main St.
Rogersville, TN 37857

Re: Limited Asbestos Survey Report for the home located at 1322 E. Main St., Rogersville TN 37857.

Taff & Frye Co., Inc. is pleased to submit this limited asbestos evaluation report for the home located at 1322 E. Main St., Rogersville TN. Enclosed please find the laboratories analytical data of our asbestos sampling.

SCOPE OF SERVICES

It is our understanding that this asbestos survey was conducted to identify asbestos containing materials (ACM). Taff & Frye conducted an asbestos evaluation on February 1, 2018. The structure was evaluated to identify homogeneous areas of suspect ACM's before samples were taken. Samples were obtained from readily accessible areas.

Suspect materials were identified and sampled by Mrs. Whitney Taff, a State of Tennessee accredited Asbestos Building Inspector, License Number A-I-47863-55350. The samples were collected, identified as a homogenous area, and then documented on a chain of custody and submitted for analysis to SanAir Technologies Laboratory, Inc. located at 1551 Oakbridge Dr., Suite B, Powhatan, VA 23139.

METHOD

The asbestos evaluation samples were analyzed by EPA Method 600/R-93/116, Polarized Light Microscopy (PLM) utilizing dispersion staining techniques. PLM identifies asbestos content in a sample by identifying and indexing optical and mineralogical characteristics that are unique to one of six legally recognized asbestos minerals. Asbestos content is visually estimated and is reported as a percentage of the area of the particular sample analyzed.

TERMINOLOGY

The definition of ACM as set forth by the Occupational Safety and Health Administration (OSHA) as stated in 29 CFR 1910.1001, 1926.1101 as well as in the Environmental Protection Agency (EPA) 40 CFR 763 and the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 as any material containing more than 1% asbestos including Category I & Category II materials that contain more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM). Asbestos-containing materials are classified as friable ACM or Non-friable ACM. Friable ACM is "ACM that, when dry, can be pulverized or reduced to powder by hand pressure." Non-friable ACM cannot be crumbled, pulverized or reduced to powder by hand pressure.

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RESULTS

The suspect materials identified and sampled consisted of exterior siding, roofing shingles, linoleum, insulation, plaster, and sheetrock.

There were 7 suspect materials identified at the subject site, resulting in a total of 16 samples.

The following suspect materials contain asbestos:

- Exterior transite siding located on the house and small building behind house. 15% Chrysotile.
- Linoleum located in the bathroom. 20% Chrysotile.

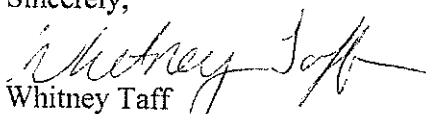
It is important to note, as with any demolition/renovation project, if suspect items not listed on this report are revealed as a result of the demolition/renovation, all work should stop until further testing is conducted.

RECOMMENDATIONS

If the materials contain asbestos, they should be removed by trained and properly equipped Tennessee licensed asbestos abatement contractors. Current EPA-NESHAP requirements mandate the removal of all regulated asbestos-containing materials (RACM) that will be affected by demolition activities. RACM in quantities equal to or greater than NESHAP reportable quantities require notification of the Tennessee Department of Environment and Conservation (TDEC) prior to removal.

The Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), as well as the State of Tennessee have strenuous requirements for asbestos handling, permitting, removal, accreditation, worker safety, transport and waste disposal operations making most asbestos removal operations impractical for the majority of building owners and general contractors. Taff & Frye therefore, recommends contracting accredited asbestos professionals to provide asbestos consulting and removal services for renovation/demolition affected asbestos materials prior to beginning renovation/demolition activities.

Sincerely,


Whitney Taff
Environmental Project Manager

Total pages: 5 (including report)



SanAir ID Number
18004515
 FINAL REPORT
 2/5/2018 10:00:39 AM

Name: Taff & Frye Co. Inc
 Address: 1921 Island Rd.
 Bristol, VA 24201
 Phone: 276-466-4134

Project Number:
 P.O. Number:
 Project Name: 1322 E. Main St., Rogersville
 Collected Date: 2/1/2018
 Received Date: 2/2/2018 9:30:00 AM

Analyst: Wilson, Johnathan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos fibers
		% Fibrous	% Non-Fibrous	
S-1 / 18004515-001 Transite Siding/ Ext. Of House	Grey Non-Fibrous Homogeneous		85% Other	15% Chrysotile
R-1 / 18004515-002 Roofing Shingle/ Main Roof	Black Non-Fibrous Heterogeneous	15% Glass	85% Other	None Detected
LN-1 / 18004515-003 Linoleum/ Kitchen	Off-White Non-Fibrous Heterogeneous	15% Cellulose 5% Glass	80% Other	None Detected
LN-2 / 18004515-004 2 Layers Linoleum/ Bathroom, Linoleum	Tan Non-Fibrous Heterogeneous		80% Other	20% Chrysotile
LN-2 / 18004515-004 2 Layers Linoleum/ Bathroom, Mastic	Brown Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
LN-2 / 18004515-004 2 Layers Linoleum/ Bathroom, Linoleum	Various Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
LN-3 / 18004515-005 Linoleum/ Kitchen	Off-White Non-Fibrous Heterogeneous	15% Cellulose 5% Glass	80% Other	None Detected
LN-4 / 18004515-006 2 Layers Linoleum/ Bathroom, Linoleum	Tan Non-Fibrous Heterogeneous		80% Other	20% Chrysotile
LN-4 / 18004515-006 2 Layers Linoleum/ Bathroom, Mastic	Brown Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
LN-4 / 18004515-006 2 Layers Linoleum/ Bathroom, Linoleum	Various Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
I-1 / 18004515-007 Insulation/ Ceiling	White Fibrous Homogeneous	98% Glass	2% Other	None Detected

Certification

Analyst: *Johnathan Wilson*

Approved Signatory: *[Signature]*

Analysis Date: 2/5/2018

Date: 2/5/2018



SanAir ID Number

18004515

FINAL REPORT

2/5/2018 10:00:39 AM

Name: Taff & Frye Co. Inc
Address: 1921 Island Rd.
Bristol, VA 24201
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Project Name: 1322 E. Main St., Rogersville
Collected Date: 2/1/2018
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Analyst: Wilson, Johnathan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non Fibrous	
P-1 / 18004515-008 Plaster Wall/ Kitchen	Grey Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
P-2 / 18004515-009 Plaster & Sheetrock Ceiling/ Room W/ Front Door, Plaster	Grey Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
P-2 / 18004515-009 Plaster & Sheetrock Ceiling/ Room W/ Front Door, Sheetrock	Off-White Non-Fibrous Homogeneous	10% Cellulose	90% Other	None Detected
P-2 / 18004515-009 Plaster & Sheetrock Ceiling/ Room W/ Front Door, Texture	White Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
P-3 / 18004515-010 Plaster Ceiling/ Bedroom	Grey Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

Certification

Analyst: *Johnathan Wilson*

Approved Signatory: *[Signature]*

Analysis Date: 2/5/2018

Date: 2/5/2018



1551 Oakbridge Dr. STE B
 Powhatan, VA 23139
 804.897.1177 888.895.1177
 Fax 804.897.0070

Form 149, Rev. 1, 1/20/2017

SanAir ID Number
 18004515

Company: **Taff & Frye Co., Inc.** Project #: _____ Collect by: **Whitney Taff**
 Address: **1921 Island Rd.** Project Name: **1322 E. Main St., Rogersville** Phone #: **423-502-8518**
 City, St., Zip: **Bristol, VA 24201** Date Collected: **2/1/18** Fax #: _____
 State of Collection: **TN** Account#: _____ P.O. Number: _____ Email: **whitney@taffandfrye.com**

Bulk		Air		Soil	
ABB	PLM EPA 600 R-93 116	ABA	PCM NIOSH 7400	ABSF	PLM EPA 600 R-93 116 (Qual.)
	Positive Stop	ABA-2	OSHA w/ TWA	Vermiculite & Soil	
ABEPA	PLM EPA 400 Point Count	ABTEM	TEM AHERA	ABSP	PLM CARB 435 (LOD - 1%)
ABB1K	PLM EPA 1000 Point Count	ABATN	TEM NIOSH 7402	ABSP1	PLM CARB 435 (LOD 0.25%)
ABBN	PLM EPA NOB**	ABT2	TEM Level II	ABSP2	PLM CARB 435 (LOD 0.1%)
ABBCH	TEM Charfield**	Other:		Dust	
ABBTM	TEM EPA NOB**	New York ELAP		ABWA	TEM Wipe ASTM D-6480
ABQ	PLM Qualitative	PLM NY	PLM EPA 600 M4-82-020	ABDMV	TEM Microvac ASTM D-5755
** Available on 24-hr. to 5-day TAT		ABEPA2	NY ELAP 198.1	Matrix Other	
Water		ABENY	NY ELAP 198.6 PLM NOB		
ABHE	EPA 100.2	ABBNY	NY ELAP 198.4 TEM NOB		

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

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate	Start - Stop Time
S-1	transite siding / ext. of house				
R-1	roofing shingle / main roof				
LN-1	linoleum / kitchen				
LN-2	2 layers linoleum / bathroom				
LN-3	linoleum / kitchen				
LN-4	2 layers linoleum / bathroom				
I-1	insulation / ceiling				
P-1	plaster wall / kitchen				
P-2	plaster & sheetrock ceiling / room w/ front door				
P-3	plaster ceiling / bedroom				

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	2/1/18	5:00 am	<i>[Signature]</i>	2/1/18	9:30 am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround 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 turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.