

Engineering Lee, LLC
Environment & Infrastructure

February 26, 2017

Mr. Chris Cummins
Kentucky Transportation Cabinet
Division of Environmental Analysis
200 Mero Street
Frankfort, KY 40622

RE: Asbestos Inspection Report
Bourbon Co. Item No. 7-310.30
Parcels 86, 103, 105, 115 & 180

Dear Mr. Cummins:

Lee Engineering, LLC has completed the authorized asbestos inspection/sample analysis for the above site located in Bourbon County, Kentucky. Sampling was conducted in general accordance with Guidance for Controlling Asbestos Containing Materials in Building, EPA 560/5-85-024, Appendix G.1. Bulk samples were collected and analyzed with polarized light microscopy (PLM) with dispersion staining and/or point counted when required. The complete analytical results are included with this report.

Based on the attached results, no Asbestos Containing Material (ACM) will need to be abated from the above referenced sites prior to implementing other activities at the site.

Please call me at (502) 600-0016 if you have questions or comments.

Sincerely,



Jeffery L. Lee, P.E.

P.O. Box 500
Lawrenceburg, Kentucky 40342
Ph: (502) 859-0190
Fx: (502) 859-3000
jlleeng@bellsouth.net

Asbestos Inspection Form and Chain of Custody

Project: 7-310.30	Lee Engineering, llc P.O Box 500 Lawrenceburg, Kentucky 40341 Ph (502) 859-0190 Fax (502) 859-3000
Date: 2-16-17	
Address: P-86	
Sampled By: Keiser	

Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
1	Shed	Roof	PAPER				
2	DRYWALL						
3	INSULATION						
4	HOUSE	Roof	Shingle				
5	Window	CAULK					
6	BK ENT	TILE	L-0	8x10			
7	BK ENT	TILE	L-1	8x10			
8	BATH	TILE	8x6				
9	KIT	LIN	14x14				
10	Ceiling	TEXT					
11	"	TILE					
12	UPSTAIRS BATH	L	4x8				
13	DRYWALL						

Relinquished By: Signature	Received By: Signature <i>Wendy Perry</i>	Date & time 2/17/16
Relinquished By: Signature	Received By: Signature	Date & time

332 West Broadway, Suite 613
Louisville, Kentucky 40202(502) 495-1212
Fax: (502) 491-7111**BULK SAMPLE ASBESTOS ANALYSIS**

Analysis N# # 02255 Address: Item # 7 - 310.30
 Client Name: Lee Engineering, LLC Parcel # 86
 Sampled By: Bob Keiser

Number	Color	Layered	Fibrous	% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
				Chrysotile	Amosite	crocidolite	Others	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
# 1	Black	Yes	No				None	65%			35%
# 2	White	Yes	Yes				None	33%			67%
# 3	Yellow	Yes	Yes				None		99%		1%
# 4	Black	Yes	Yes				None	2%	60%		38%
# 5	White	Yes	Yes				None	2%			98%
# 6	Beige	Yes	No				None	3%			97%
# 7	Gray	Yes	No				None	5%			95%
# 8	Brown	Yes	No				None	2%			98%
# 9	Cream	Yes	No				None	55%		30%	15%
# 10	White	Yes	Yes				None	7%			93%
# 11	Gray	Yes	No				None	2%			98%
# 12	Cream	Yes	No				None	58%	7%		35%
# 13	White	Yes	Yes				None	35%			65%

Methodology : EPA Method 600/R-93-116

Date Analyzed : 25-Feb-17

Analyst : Winterford Mensah

Reviewed By:



Signature

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S Government. Partial Reproduction of any part of this report is strictly prohibited. Samples shall be retained for (30) days.

Asbestos Inspection Form and Chain of Custody

Project: <u>7-310.30</u>	Lee Engineering, llc P.O Box 500 Lawrenceburg, Kentucky 40341 Ph (502) 859-0190 Fax (502) 859-3000
Date: <u>2-16-17</u>	
Address: <u>P-103</u>	
Sampled By: <u>KEISER</u>	

Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
1	ROOF	Shingle					
2	DRY WALL						
3	WINDOW	CAULK					

Relinquished By: Signature	Received By: Signature <i>Hinterfoot Avey</i>	Date & time <u>2/17/16</u>
Relinquished By: Signature	Received By: Signature	Date & time

MRS, INC.*MRS, Inc. Analytical Laboratory Division*332 West Broadway, Suite 613
Louisville, Kentucky 40202(502) 495-1212
Fax: (502) 491-7111**BULK SAMPLE ASBESTOS ANALYSIS**

Analysis N# # 02255 Address: Item # 7 - 310.30
 Client Name: Lee Engineering, LLC Parcel # 103
 Sampled By: Bob Keiser

Number	Color	Layered	Fibrous	% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
				Chrysotile	Amosite	crocidolite	Others	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
# 1	Black	Yes	Yes				None	3%	60%		37%
# 2	White	Yes	Yes				None	32%			68%
# 3	White	Yes	Yes	3%	(To Be	Point Counted)					97%

Methodology : EPA Method 600/R-93-116
 Date Analyzed : 25-Feb-17
 Analyst : Winterford Mensah Reviewed By: 

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Louisville, Kentucky 40202

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Fax: (502) 491-7111

Client:	<u>Lee Engineering, LLC</u>	Project No:	<u># 02255</u>
Address:	<u>C/O Lewis Financial</u>	Sample ID:	<u># 3</u>
	<u>3000 Eagle Lake Drive</u>	Sampled:	<u>16-Feb-17</u>
	<u>Lawrenceburg, KY</u>	Received:	<u>17-Feb-17</u>
	<u>40342</u>	Analyzed:	<u>25-Feb-17 - Point Count -</u>
	<u>Attention : Bob Keiser</u>		

Bulk Sample Analysis

Sampled By : Bob Keiser

Facility/Location: Item # 7 - 310.30 / Parcel # 103


Field Description: Window Caulk

Laboratory Description:
Hard White Material

Asbestos Materials:
Chrysotile = 2/400 = 0.50 % (< 1 %) Sample Is Negative

Non-Asbestos Fibrous Materials :
Binders 99.50 %

Remarks: The sample was analyzed for asbestos content following the EPA Methodology (600/R-93/116). The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government.

Analyst: Winterford Mensah Reviewed By: 
Signature

AIHA #102459

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AIHA #102459

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AIHA #102459

Asbestos Inspection Form and Chain of Custody

Project: <u>7-310, 30</u>	<u>Lee Engineering, llc</u> P.O Box 500 Lawrenceburg, Kentucky 40341 Ph (502) 859-0190 Fax (502) 859-3000
Date: <u>2-16-17</u>	
Address: <u>P-105</u>	
Sampled By: <u>R KEISER</u>	

Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
<u>1</u>	<u>BATH</u>	<u>LIN</u>		<u>4X6</u>	<u>T</u>	<u>W</u>	<u>Metal + Concrete</u> <u>BLD:</u>

Relenquished By: Signature	Received By: Signature <i>[Signature]</i>	Date & time <u>2/17/16</u>
Relenquished By: Signature	Received By: Signature	Date & time

MRS, INC.

MRS, Inc. Analytical Laboratory Division

332 West Broadway, Suite 613
Louisville, Kentucky 40202

(502) 495-1212
Fax: (502) 491-7111

BULK SAMPLE ASBESTOS ANALYSIS

Analysis N# # 02255 Address: Item # 7 - 310.30
Client Name: Lee Engineering, LLC Parcel 105
Sampled By: Bob Keiser

				% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
Number	Color	Layered	Fibrous	Chrysotile	Amosite	crocidolite	Others	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
# 1	Multi	Yes	No				None	55%		20%	25%

Methodology : EPA Method 600/R-93-116
Date Analyzed : 25-Feb-17
Analyst : Winterford Mensah

Reviewed By:  Signature

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Asbestos Inspection Form and Chain of Custody

Project: <u>M-310.30</u>	Lee Engineering, llc P.O Box 500 Lawrenceburg, Kentucky 40341 Ph (502) 859-0190 Fax (502) 859-3000
Date: <u>2-16-17</u>	
Address: <u>P-115</u>	
Sampled By: <u>Keiser</u>	

Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
1	KIT	Floor Leveler					
2	Wall	PLASTER					
3	BK Porch	LIN	20x20				
4	LAUNDRY	LIN	10x12				
5	Window	Patty					
6	Roof	MASTIC					shed
7	"	Shingle					house
8	"	"					shed
9	ATTIC	INSULATION					
10	UPSTAIRS	BETA	LIN	6x8			

Relinquished By: Signature	Received By: Signature 	Date & time
Relinquished By: Signature	Received By: Signature 2/17/16	Date & time

MRS, INC.*MRS, Inc. Analytical Laboratory Division*332 West Broadway, Suite 613
Louisville, Kentucky 40202(502) 495-1212
Fax: (502) 491-7111**BULK SAMPLE ASBESTOS ANALYSIS**

Analysis N# # 02255 Address: Item # 7 - 310.30
 Client Name: Lee Engineering, LLC Parcel # 115
 Sampled By: Bob Keiser

Number	Color	Layered	Fibrous	% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
				Chrysotile	Amosite	crocidolite	Others	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
# 1	White	Yes	No				None	8%			92%
# 2	White	Yes	No				None	5%			95%
# 3	Beige	Yes	No				None	55%		25%	20%
# 4	White	Yes	No				None	63%			37%
# 5	Gray	Yes	Yes	2%	(To Be	Point Counted)					98%
# 6	Black	Yes	No	3%	(To Be	Point Counted)		3%			95%
# 7	Black	Yes	Yes				None	5%	63%		32%
# 8	Black	Yes	Yes				None	2%	65%		33%
# 9	Gray	Yes	Yes				None	97%			3%
# 10	Beige	Yes	No				None	40%		35%	25%

Methodology : EPA Method 600/R-93-116
 Date Analyzed : 25-Feb-17
 Analyst : Winterford Mensah

Reviewed By: 

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Louisville, Kentucky 40202

(502) 495-1212

Fax: (502) 491-7111

Client:	<u>Lee Engineering, LLC</u>	Project No:	<u># 02255</u>
Address:	<u>C/O Lewis Financial</u>	Sample ID:	<u># 5</u>
	<u>3000 Eagle Lake Drive</u>	Sampled:	<u>16-Feb-17</u>
	<u>Lawrenceburg, KY</u>	Received:	<u>17-Feb-17</u>
	<u>40342</u>	Analyzed:	<u>25-Feb-17 - Point Count -</u>
	<u>Attention : Bob Keiser</u>		

Bulk Sample Analysis

Sampled By : Bob Keiser

Facility/Location: Item # 7 - 310.30 / Parcel # 115


Field Description: Window Putty

Laboratory Description:
Hard White Material

Asbestos Materials:
Chrysotile = 2/400 = 0.50 % (< 1 %) Sample Is Negative

Non-Asbestos Fibrous Materials :
Binders 99.50 %

Remarks: The sample was analyzed for asbestos content following the EPA Methodology (600/R-93/116). The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government.

Analyst: Winterford Mensah Reviewed By: 
Signature

AIHA #102459

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AIHA #102459

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AIHA #102459

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Louisville, Kentucky 40202

(502) 495-1212

Fax: (502) 491-7111

Client:	<u>Lee Engineering, LLC</u>	Project No:	<u># 02255</u>
Address:	<u>C/O Lewis Financial</u>	Sample ID:	<u># 6</u>
	<u>3000 Eagle Lake Drive</u>	Sampled:	<u>16-Feb-17</u>
	<u>Lawrenceburg, KY</u>	Received:	<u>17-Feb-17</u>
	<u>40342</u>	Analyzed:	<u>25-Feb-17 - Point Count -</u>
	<u>Attention : Bob Keiser</u>		

Bulk Sample Analysis

Sampled By : Bob Keiser

Facility/Location: Item # 7 - 310.30 / Parcel # 115

Field Description: Roof Mastic


Laboratory Description:
Thick Black Material

Asbestos Materials:
Chrysotile = 3/400 = 0.75 % (< 1 %) Sample Is Negative

Non-Asbestos Fibrous Materials :

<u>Cellulose</u>	<u>0.25 %</u>
<u>Binders</u>	<u>99.00 %</u>

Remarks: The sample was analyzed for asbestos content following the EPA Methodology (600/R-93/116). The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government.

Analyst: Winterford Mensah **Reviewed By:** 
Signature

AIHA #102459

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AIHA #102459

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AIHA #102459

Asbestos Inspection Form and Chain of Custody

Project:	7-310.30	Lee Engineering, llc P.O Box 500 Lawrenceburg, Kentucky 40341 Ph (502) 859-0190 Fax (502) 859-3000
Date:	2-16-17	
Address:	P-180	
Sampled By:	Keiser	

Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
1	Roof	Shingle					
2	INSULATION						

Relenquished By: Signature	Received By: Signature	Date & time
	<i>Mintyus Mendy</i>	2/17/16
Relenquished By: Signature	Received By: Signature	Date & time

