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,

Alt to have

Jeffery L. Lee, P.E.

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

Project	: 7-	310,3	D	adaran marina kan di sana daga			Lee Engineering, 11c
Date	: 2	-16-	17		ananjana ana amin'ny sora-		P.O Box 500
Address		0-86	and the second			Girl Company	Lawrenceburg, Kentucky 40341
Sampled By	and the set of the set	ISRR				1994antorbaan	Ph (502) 859-0190 Fax (502) 859-3000
Sample ID	Location	Matrix	Color	Size	T 1 3		
1		Rozt	and the second sec	3166			Comments
2	1	JALL	THPOL				an a
2	1 (	LATÍS	11		┝──┾		
4	HOUSL	2	and the second second second second				annan ya a baaray ka maga a kara na gabaran ay kanga aga kara kara kara kara kara kara kar
- 5	WIN Daw	2	1				
and the second s	BK ENT						
- 6- 7	BK ENT		L-0 8x10		+		
8		A REAL PROPERTY AND A REAL	L-1 8×18		1		
9	BATH	1	8×6				
	1	LIN	14×14				
10	Certing	TexT			<u> </u>		
11	4	Tile					
12	UPSHAIRS BATH	1	4×8				
13	DRY WAL	L					
-							
			An or a second se				
Relenc	uished By: Sig	nature	Rec	eived By: Sig	nature		Date & time
		21 11 .2	The	ins.	The	2	2/12/16
Relenc	juished By: Sig	nature	Rez	eived By: Sig	nature	2	Date & time

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# Client Name: Sampled By:

Lee Engineering, LLC Bob Keiser

# 02255

Address: Item # 7 - 310.30 Parcel # 86

				%	FIBROUS	ASBESTOS		% NON-ASBESTOS FIBERS			
Number	Color	Layered	Fibrous	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:

Vintegers Mensal

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.

AIHA # 102459

Project:	· 67	710	20				Loo Francisco di la companya di la compa
anteres and a second seco		<u>~ 310,</u>	50	ngan mangang mengembahang			Lee Engineering, 11c
Date:	0	2-16-	(1)	al and the second second		(Challengersteringenger	P.O Box 500
Address:		-310. 2-16- P-10	3		5		Lawrenceburg, Kentucky 40341
Sampled By:	Ke	USER					Ph (502) 859-0190 Fax (502) 859-3000
Sample ID	Location	Matrix	Color	Size	Torl	W or C	Comments
1	The second secon	Shing	Contractor of the second se		1		Connents
2							anna maraitheanna a tha ann ann ann ann ann ann ann ann ann a
3	DRY	CAUL	4				
3	W.N Pow	CAUL					
			an - This and the second state of the				
						And	
*							
			and the second	1	1	1	
and the second					<u></u>	<u> </u>	
				<u>                                      </u>		ļ	
							· ·
****			and a local design of the second s		1		
				+			
Martin and a state of the state						<u> </u>	
	1				1		
				-			
Relenn	J uished By: Sig	nature	Po	ceived By: Si	I		
			Tin	when by: SI	1	al.	Date & time 2/17/16
Relenç	uished By; Sig	nature	CONTRACTOR OF AN ADDRESS OF A DESCRIPTION OF AD	ceived By: Si		Ţ	Date & time

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#	#
Client Name:	L
Sampled By:	В

ee Engineering, LLC

Address: Item # 7 - 310.30 Parcel # 103

**Bob Keiser** 

02255

				%	FIBROUS	ASBESTOS		% N(	ON-ASBES	TOS FIBEF	RS
Number	Color	Layered	Fibrous	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 Cou	inted)				97%

Methodology : EPA Method 600/R-93-116

Date Analyzed : 25-Feb-17 Winterford Mensah Analyst :

Reviewed By: \_\_\_\_\_\_\_

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.

AIHA # 102459

< < / IN/OC+				al Laboratory Division	
	Broadway, S Kentucky 40			(502) 495-1212 Fax: (502) 491-7111	
Louisville,	Kentucky 40	)202		Fux: (502) 491-7111	
Client:	Lee Engine	eering, LLC	Project No:	# 02255	
Address:	C/O Lewis	Financial	Sample ID:	# 3	
	3000 Eagle	e Lake Drive	Sampled:	16-Feb-17	
	Lawrencel	ourg, KY	Received:	17-Feb-17	
		40342	Analyzed:	25-Feb-17 - Point Count -	
	Attention	: Bob Keiser			
		Bulk San	nple Analysis		
Sampled	Bv :	Bob Keiser			
Facility/L	•	Item # 7 - 310.30 / Parc	rel # 103		
Field Des		Window Caulk			
	y Descriptio				
Laborator	y Descriptio	Hard White Material			
Asbestos	Materials:				
		Chrysotile = 2/400 = 0.5	50 % ( < 1 % ) Sar	nple Is Negative	
Non-Asbe	stos Fibrous	Materials :			
		Binders		99.50 %	
Remarks:	The sample	e was analyzed for asbes	tos content follo	owing the EPA Methodology	
Remarks:	(600/R-93	/116). The test relates o	nly to the items	tested. This report does not	
Remarks:	(600/R-93	-	nly to the items	tested. This report does not	
	(600/R-93 represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.	
<b>Remarks:</b> Analyst:	(600/R-93 represent	/116). The test relates o	nly to the items	tested. This report does not of the U.S. Government.	
	(600/R-93 represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.	
	(600/R-93 represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.	

Project:	. 7	-310,	30				Lee Engineering, llc
Date:	0	2-16-	17				P.O Box 500
Address:	F	2-16-					Lawrenceburg, Kentucky 40341
, Sampled By:	R	Keise	R		in the second		Ph (502) 859-0190 Fax (502) 859-3000
Sample ID	Location	Matrix	Color	Size	T or L	W or C	Comments
1	BATH	LIN	an an ann an ann an ann an ann ann ann	4×6	7	W	
							Metal + Concrete BLD;
			1				BLD;
					647 <u>-</u> 544-6 <b>2</b> -547-644-6		
			a an				
			Were the actual agencies in				
					******		
			. 19			allerer Torrando des constallos	
					-		
					N Internet		
			and a second				
					****		
					an cranacon		
			Alexandron and a second second second				
A version of the second se	uished By: Sig		Tin	ceived By: Sign	ature	4	Date & time 2/17/16
Relenq	uished By: Sigi	nature	Rø	ceived By: Sign	ature		Date & time

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#	
Client Name:	
Sampled By:	

Lee Engineering, LLC **Bob Keiser** 

# 02255

Address: Item # 7 - 310.30 Parcel 105

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

Methodology : EPA Method 600/R-93-116

Date Analyzed : 25-Feb-17 Winterford Mensah Analyst :

Reviewed By: \_\_\_\_\_\_\_

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.

AIHA # 102459

Date: $2 - 16 - 17$ P.O Box 500Lawrenceburg, KentuckSampled By:Kets ColorSizeTort. WorcCommentsIKITF.O Box 500Lawrenceburg, KentuckSampled By:Kets ColorSizeTort. WorcCommentsIKITF.O Box 500Lawrenceburg, KentuckSample IDLocationMatrixCommentsIKITF.O Box 500Lawrenceburg, KentuckP.O Box 500CommentsJawrenceburg, KentuckJawrenceburg, KentuckAut.Jawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, KentuckJawrenceburg, Kentuck <th colspan<="" th=""><th>σ 11c</th><th>Lee Engineering,</th><th></th><th>**********</th><th>Managan na si mana mana Manana na sa na</th><th>30</th><th>1-310</th><th>· r</th><th>Project:</th></th>	<th>σ 11c</th> <th>Lee Engineering,</th> <th></th> <th>**********</th> <th>Managan na si mana mana Manana na sa na</th> <th>30</th> <th>1-310</th> <th>· r</th> <th>Project:</th>	σ 11c	Lee Engineering,		**********	Managan na si mana mana Manana na sa na	30	1-310	· r	Project:
Address: $P - 1/-S$ Lawrenceburg, Kentuck     Sampled By:   Kets e/2   Ph (502) 859-0190 Fax (502)     Sample ID   Location   Matrix   Cotor   Size   T or L   W or C   Comments     1   K 1T   FixeR   Leveler          2   Walt   PLAStex	2712		COLUMN A COLUMN & SUBJECT BAS	NANA ATANYA MINA MINA NANA MINA	an a	-17	2-16.		Date:	
Sampled By:KC1S C/2Ph (502) 859-0190 Fax (502)Semple IDLocationMatrixColorSizeT or L W or CComments1KITFLoo R Le Vel LA11112WALCPLASHER11113BK PackHLIN20x201114LOUNDAYLIN20x201115WNDANPatty11516PobleMastic15519ATTICTwo Latty15519ATTICTwo Latty151110YSAINSBATALINbX R1110ISAINSBATALINbX R1110ISAINSBATALINbX R1110ISAINSBATALINbX R1110ISAINSISAINI11111IIII1112IIIII110ISAINSIIII111IIIIII10IIIIII11IIIIII12IIIII <tdii< td="">13III<td>N 20321</td><td></td><td>ala ali kana sa kana mala</td><td></td><td>analad aig on a samlawaa aa</td><td>~</td><td>Pallé</td><td></td><td>Address:</td></tdii<>	N 20321		ala ali kana sa kana mala		analad aig on a samlawaa aa	~	Pallé		Address:	
Sample IDLocationMatrixColorSizeTor LWor CCommants1K ITFLoo R Levelen </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td>Sampled By:</td>								12	Sampled By:	
1   KIT   Fixor Leveler     2   Wall PLASter   10     3   BK Pacht LIN 20x20   10     4   1000000000000000000000000000000000000	., 000-0000		PARTY ADAPTIC PARTY		Stateschergenet (1997), and and a				OSDANA MARANA	
2 Wall PLASTER 3 BK PARH LIN 20x20 4 COUNTRY LIN 10x12 5 WINDON PUTTY 6 Robit MASTIC 7 'I Shingh HOUSE 8 'I' II 9 ATTIC INSOLATION 10 UPSAINS BATA LIN 6X8 10 UPSAINS BATA LIN 6X8 10 IPSAINS BATA LIN 6X8 10 IPSA	and an and a state of the state	Comments I	W or C	Torl	Size		Contraction of the Contraction of the	The second se	Sample ID	
3 BK Podelt LIN 20×20   4 LOWARLY   5 Window Patty   6 Pode Mastic   7 'I   8 ''   9 ATTIC   10 Upstains   8 ''   10 Upstains   10 District	9-1-11,			1.	<del>34</del>	and the second se		1		
4 LOUMPLY LIN 10×12 5 WINDOW Patty 6 Roof Mastic Shed 7 'I Shinge House 8 'I' II 9 ATTIC INSULATION 10 USAINS BATA LIN 6×8 	an a		[			R	Contraction of the second s	1 million and the second se	and the second second second second second	
5 WUDON Patty 6 Rool- Mastic Shed 7 '' Shingle House 8 '' '' Shingle Shed 9 ATTIC JUSULATION 10 Upstains BATA LIN 6X8						20×20				
6 Roof Mastic Sted 7 11 Shinge House 8 1. 11 9 ATTIC INSULATION 10 Upstrins BATA LIN 6X8 						10×12	LIN	LOUNDAY	4	
6 Rooff Mastic Sled   7 11 Shingh House   8 11 11 Sled   9 ATTIC Inscillation 10   10 Upstring BATA UN							Patty	WNDon	5	
9 ATTIC JUSULATION 10 UPSTAINS BATA LIN 6X8	annan a farainn an anna ann an an	Shed						Root	6	
9 ATTIC JUSULATION 10 UPSTAINS BETA LIN 6X8 	N M MEMORY AND THE MEMORY AND A M	#msce				non and and an	Shink	1		
9 ATTIC JUSULATION 10 UPSTAINS BUTA LIN 6X8	9907029999878994678994	Sted		1				17	8	
					3	First	INSULA	ATTIC	and a second	
					6X8	LIN	BATA	upstains	10	
		-		1					2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 - 2010 -	
				1						
				1	erpeleti tetteliktete antikkeen				*#70#4,8~40KH+*************************	
									annan fan Herner an State an S	
				1						
				+					******	
	Manufacture of the state of the			+						
	angene - toward a ferred of the second s			+			 		1997 - Sanar Part da marine antes antes antes a	
									an and the second second second second	
Colonguiched Du Cignature								J		
Relenquished By: Signature Received By: Signature Date & time		Date & time 2/17/16	y essel	inature	eived By: Sig	Thin	nature	uished By: Sig	Relenq	
Relenquished By: Signature Received By: Signature Date & time	ber Civit Classes of a second	Date & time	7	gnature	wed By: Sig	Rec	nature	uished By; Sig	Relenç	

### <u>MRS, INC.</u>

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# Client Name: Sampled By:

Lee Engineering, LLC Bob Keiser

# 02255

Address: Item # 7 - 310.30 Parcel # 115

				%	IBROUS	ASBESTOS		% N	ON-ASBES	TOS FIBEF	RS
Number	Color	Layered	Fibrous	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 Cou	inted)				98%
#6	Black	Yes	No	3%	(To Be	Point Cou	inted)	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:

Vintegers Mencals

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.

AIHA # 102459

33/ WOCT			no, me. r mary re	al Laboratory Division
	Broadway, S Kentucky 40			(502) 495-1212 Fax: (502) 491-7111
.ouisviile,	Kentucky 40	202		rux. (502) 491-7111
Client:	Lee Engine	ering, LLC	Project No:	# 02255
Address:	C/O Lewis	Financial	Sample ID:	# 5
	3000 Eagle	e Lake Drive	Sampled:	16-Feb-17
	Lawrence	ourg, KY	Received:	17-Feb-17
		40342	Analyzed:	25-Feb-17 - Point Count -
	Attention	Bob Keiser		
		Bulk San	nple Analysis	
	<b>D</b> - 4	Dah Kaisan		
Sampled	•	Bob Keiser	ol # 115	
Facility/L		Item # 7 - 310.30 / Parc	cel # 115	
ield Des	-	Window Putty		
Laborator	y Descriptio			
		Hard White Material		
Achastas	Materials:			
ASDESIUS	iviaterials.	Chrysotile = 2/400 = 0.5	50 % ( < 1 % ) Sar	mple Is Negative
		<u>Chrysothe – 2/400 – 0.5</u>	JO /0 ( < 1 /0 ) Jai	
Non-Asbe	stos Fibrous	Materials :		
		Binders		99.50 %
Remarks:	The sample	e was analyzed for asbes	tos content follo	owing the EPA Methodology
Remarks:	-	-		owing the EPA Methodology tested. This report does not
Remarks:	(600/R-93	-	nly to the items	tested. This report does not
	(600/R-93) represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.
<b>Remarks:</b> Analyst:	(600/R-93) represent	/116). The test relates o	nly to the items	tested. This report does not of the U.S. Government.
	(600/R-93) represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.
	(600/R-93) represent	/116). The test relates o endorsement by NVLAP	nly to the items or any agency o	tested. This report does not of the U.S. Government.

Client: Lee E Address: C/O 3000 Lawr	•	Project No: Sample ID: Sampled: Received:	(502) 495-1212 Fax: (502) 491-7111 # 02255 # 6 16-Feb-17 17-Feb-17
Address: C/O 3000 Lawr	ngineering, LLC Lewis Financial Eagle Lake Drive enceburg, KY	Sample ID: Sampled:	# 02255 # 6 16-Feb-17
Address: C/O 3000 Lawr	Lewis Financial Eagle Lake Drive enceburg, KY	Sample ID: Sampled:	# 6 16-Feb-17
3000 Lawr	Eagle Lake Drive enceburg, KY	Sampled:	16-Feb-17
Lawr	enceburg, KY		
		Received:	17-Feb-17
Atter	4034		17 100 17
Atter		Analyzed:	25-Feb-17 - Point Count -
	ntion : Bob Keiser		
	Bulk	Sample Analysis	
Sampled By	: Bob Keiser		
Facility/Locatio		 Parcel # 115	
Field Description			
Laboratory Desc			
,	Thick Black Material		
Asbestos Materi	als:		
	Chrysotile = 3/400 =	0.75 % ( < 1 % ) Sar	nple Is Negative
Non-Asbestos Fi	brous Materials :		
	Cellulose		0.25 %
	Binders		99.00 %

Distort	· ~	910		(dDonya valicanti (euro) (2000) (donaci			
Project: 7-310.30							Lee Engineering, 11c
Date:	Project: $7 - 310.30$ Date: $2 - 16 - 17$						P.O Box 500
Address:	P-180					Lawrenceburg, Kentucky 40341	
Sampled By:	mpled By: Kelsen						Ph (502) 859-0190 Fax (502) 859-3000
Sample ID	Location	Matrix	Color	Size	T or I.	W or C	Comments
	Roof	Shing	le				
2	INSO	Shingt	n		1		999 Martin Carlos C
						177, 1974, 2011, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014, 2014	99999999999999999999999999999999999999
						10390-16 <b>20-07-</b> 404-12	na na bana na mana na m
							999 - 201
					$\frac{1}{1}$		
			1			Onepointantyrus	
	<u> </u>						
				[		-	
			1	[			
			<u> </u>				
					<u>                                     </u>		
	autorite and a second se						
			]				
Relenq	The	ceived By: Sig	nature Mer	1	Date & time <b>3</b> /12/16		
Relenq	uished By; Sig	Rej	eived By: Sig	nature		Date & time	

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# **Client Name:** Sampled By:

Lee Engineering, LLC **Bob Keiser** 

# 02255

Address: Item # 7 - 310.30 Parcel # 180

% FIBROUS ASBESTOS % NON-ASBESTOS FIBERS Cellulose Other/Mat. Number Color Layered Fibrous Chrysotile Amosite crocidolite Others Fiberglass Syn. Fiber Yes Yes None 5% 32% #1 Gray 63% #2 Yellow Yes None 98% 2% Yes

Methodology : EPA Method 600/R-93-116

Date Analyzed : 25-Feb-17 Analyst :

Winterford Mensah

Reviewed By: \_\_\_\_\_\_\_

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.

AIHA # 102459