

**PINKHAM ENVIRONMENTAL, INC.**  
**P.O. BOX 405**  
**BOOTHBAY, MAINE**

*PHONE (207) 837-0571*  
*Email pinkhamk@roadrunner.com*

May 18, 2015

PEI # 15-1586

Redfern Homes LLC  
Jonathan Cully  
P.O. Box 8816  
Portland, Maine, 04104

RE: Demolition Impact Survey-Buildings @ 667 Congress Street in Portland, Maine

Mr. Culley:

On May 12, 2015 Pinkham Environmental, Inc. conducted a demolition impact survey for the presence of asbestos containing building materials (ACBM) 667 Congress Street in Portland, ME. The survey coincided with the planned demolition of the building.

The building surveyed is a three story commercial type building of wood frame construction. Homogenous areas of suspect materials were collected from the interior. No suspect materials were found on the exterior. Samples were analyzed for asbestos type and approximate percentages by optical microscopy at 100x magnification utilizing polarized Light (PLM) EPA method 600 @ the International Asbestos testing Laboratories (IATL) located in Mt. Laurel NJ.

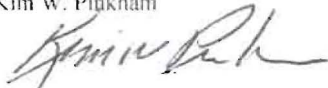
Analytical results indicate no asbestos materials were found in any of the samples.

The analytical results are included in this report for your reference. Current state and federal regulations stipulate that material found to have 1% or more asbestos is considered to be asbestos material

Because of the age of the building, it is possible that painted surfaces may contain lead. Please note that the Maine Department of Environmental Management does not require that lead surfaces to be abated prior to renovation. It should, however, be disclosed to contractors to comply with OSHA's hazardous materials communication regulations

If you have any question regarding this report, please feel free to contact us at (207) 837-0571.

Sincerely,  
Kim W. Pinkham



Kim W. Pinkham  
Pinkham Environmental, Inc.  
Asbestos Inspector (MDEP AI #0343)

**PINKHAM ENVIRONMENTAL INC.  
BOOTHBAY, MAINE 04537  
(207) 837-0571**

Linear / Square Footage Table

**CLIENT: REDFERN PROPERTIES  
PEI #: 15-1586  
JOB: 667 CONGRESS STREET**

LOCATION	REF. NUMBER	SQUARE FOOTAGE	LINEAR FOOTAGE
<b>2<sup>ND</sup> FLOOR –FRONT ROOMS-WHITE VINYL FLOORING</b>	1586-1 A,B,C NEGATIVE FOR ASBESTOS		
2 <sup>ND</sup> FLOOR –MIDDLE ROOM-GOLD/GREY SHEET VINYL FLOORING	1586-2 A,B,C NEGATIVE FOR ASBESTOS		
THROUGH-OUT 2 <sup>ND</sup> FLOOR-WHITE PLASTER	1586-3 A,B,C NEGATIVE FOR ASBESTOS		
2ND FLOOR OFFICE-GREY/GOLD VINYL FLOORING	1586-4 A,B,C NEGATIVE FOR ASBESTOS		
ATTIC-WHITE WALL PLASTER	1586-A,B,C NEGATIVE FOR ASBESTOS		
STORAGE ROOM-GREEN SHEET VINYL FLOORING	1586-6 A,B,C NEGATIVE FOR ASBESTOS		
1 <sup>ST</sup> FLOOR –IN FRONT OF COOLERS-RED VINYL FLOORING	1586-7 A,B,C NEGATIVE FOR ASBESTOS		

## CERTIFICATE OF ANALYSIS

<b>Client:</b>	Pinkham Environmental P.O. Box 405 Boothbay ME 04537	<b>Report Date:</b>	5/15/2015
		<b>Report No.:</b>	363459
		<b>Project:</b>	667 Congress Street
		<b>Project No.:</b>	15-1586

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b>	5623428	<b>Description / Location:</b>	White Vinyl Sheet Flooring 2nd Floor-Front Rooms
<b>Client No.:</b>	1586-1a		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	40	Cellulose
			<u>% Non-Fibrous Material</u>
			60

<b>Lab No.:</b>	5623428	<b>Description / Location:</b>	White Mastic 2nd Floor-Front Rooms	<b>Layer No.:</b>	2
<b>Client No.:</b>	1586-1a				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

<b>Lab No.:</b>	5623429	<b>Description / Location:</b>	White Vinyl Sheet Flooring 2nd Floor-Front Rooms
<b>Client No.:</b>	1586-1b		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	40	Cellulose
			<u>% Non-Fibrous Material</u>
			60

<b>Lab No.:</b>	5623429	<b>Description / Location:</b>	White Mastic 2nd Floor-Front Rooms	<b>Layer No.:</b>	2
<b>Client No.:</b>	1586-1b				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

**Accreditations:**      **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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**Analytical Method:**      US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

**Comments:**      Quantification at  $\pm 0.25\%$  by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

**Analysis Performed By:**      R. Caran

**Approved By:**      

**Date:**      5/15/2015

Frank E. Ehrenfeld, III  
Laboratory Director



## CERTIFICATE OF ANALYSIS

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		<b>Report No.:</b>	363459
		<b>Project:</b>	667 Congress Street
		<b>Project No.:</b>	15-1586

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5623432	<b>Client No.:</b> 1586-2b	<b>Description / Location:</b> Grey/Gold Vinyl Sheet Flooring 2nd Floor-Middle Room		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

<b>Lab No.:</b> 5623432	<b>Client No.:</b> 1586-2b	<b>Description / Location:</b> Brown Mastic 2nd Floor-Middle Room		<b>Layer No.:</b> 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5623433	<b>Client No.:</b> 1586-2c	<b>Description / Location:</b> Grey/Gold Vinyl Sheet Flooring 2nd Floor-Middle Room		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

<b>Lab No.:</b> 5623433	<b>Client No.:</b> 1586-2c	<b>Description / Location:</b> Brown Mastic 2nd Floor-Middle Room		<b>Layer No.:</b> 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

**Accreditations:** **NIST-NVLAP No. 101165-0**      **NY-DOH No. 11021**      **AIHA-LAP, LLC No. 100188**

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**Analytical Method:** US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

**Comments:** Quantification at ~0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

**Analysis Performed By:**           R. Caran          

**Date:**           5/15/2015



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### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5623438	<b>Description / Location:</b> Grey/Gold Vinyl Sheet Flooring		
<b>Client No.:</b> 1586-4b	2nd Floor-Office		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	40	Cellulose
			60

<b>Lab No.:</b> 5623439	<b>Description / Location:</b> Grey/Gold Vinyl Sheet Flooring		
<b>Client No.:</b> 1586-4c	2nd Floor-Office		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	40	Cellulose
			60

<b>Lab No.:</b> 5623440	<b>Description / Location:</b> White Plaster		
<b>Client No.:</b> 1586-5a	Attic-Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Hair
			98

<b>Lab No.:</b> 5623441	<b>Description / Location:</b> White Plaster		
<b>Client No.:</b> 1586-5b	Attic-Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Hair
			98

**Accreditations:**

**NIST-NVLAP No. 101165-0**

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**Analytical Method:**

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

**Comments:**

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**Date:**                     5/15/2015





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		<b>Project No.:</b>	15-1586

### BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 5623444		<b>Description / Location:</b> Green Floor Tile Storage Room		
<b>Client No.:</b> 1586-6b				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5623444		<b>Description / Location:</b> Black Mastic Storage Room		<b>Layer No.:</b> 2
<b>Client No.:</b> 1586-6b				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5623445		<b>Description / Location:</b> Green Floor Tile Storage Room		
<b>Client No.:</b> 1586-6c				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

<b>Lab No.:</b> 5623445		<b>Description / Location:</b> Black Mastic Storage Room		<b>Layer No.:</b> 2
<b>Client No.:</b> 1586-6c				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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**Date:**      5/15/2015

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P.O. Box 405  
Boothbay ME 04537

**Report Date:** 5/15/2015  
**Report No.:** 363459  
**Project:** 667 Congress Street  
**Project No.:** 15-1586

### BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 5623446  
**Client No.:** 1586-7a

**Description / Location:** Red Vinyl Sheet Flooring  
1st Floor-In Front Of Coolers

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

**Lab No.:** 5623447  
**Client No.:** 1586-7b

**Description / Location:** Red Vinyl Sheet Flooring  
1st Floor-In Front Of Coolers

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

**Lab No.:** 5623448  
**Client No.:** 1586-7c

**Description / Location:** Red Vinyl Sheet Flooring  
1st Floor-In Front Of Coolers

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

**Accreditations:** NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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