

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

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

May 18, 2015

PEI # 15-1585

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

RE: Demolition Impact Survey-Buildings @ 89 Anderson 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) 89 Anderson Street in Portland, ME. The survey coincided with the planned demolition of the building.

The building surveyed is a single story commercial type building of concrete block construction. Homogenous areas of suspect ceiling materials were collected from the interior. On the exterior samples of roofing materials were collected. 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..

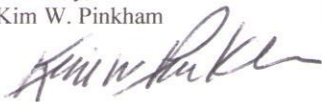
Analytical results indicate no asbestos materials were found in any of the samples.

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 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: 86 ANDERSON STREET

LOCATION	REF. NUMBER	SQUARE FOOTAGE	LINEAR FOOTAGE
REAR OFFICE -WHITE CEILING TILES	1585-1 A,B,C NEGATIVE FOR ASBESTOS		
ROOFING MATERIALS	1585-2 A,B,C NEGATIVE FOR ASBESTOS		

CERTIFICATE OF ANALYSIS

Client: Pinkham Environmental
P.O. Box 405
Boothbay ME 04537

Report Date: 5/15/2015
Report No.: 363460
Project: 89 Anderson Street
Project No.: 15-1585

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5623421 **Description / Location:** White/Off-White Ceiling Tile
Client No.: 1585-1a Rear Office

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Fibrous Glass	5
		30	Cellulose	

Lab No.: 5623422 **Description / Location:** White/Off-White Ceiling Tile
Client No.: 1585-1b Rear Office

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Fibrous Glass	5
		30	Cellulose	

Lab No.: 5623423 **Description / Location:** White/Off-White Ceiling Tile
Client No.: 1585-1c Rear Office

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Fibrous Glass	5
		30	Cellulose	

Lab No.: 5623424 **Description / Location:** Black Roof Material
Client No.: 1585-2a

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Synthetic	90

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

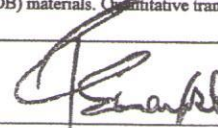
*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

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. Reed

Approved By:



Date: 5/15/2015

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS**Client:** Pinkham Environmental

P.O. Box 405

Boothbay ME 04537

Report Date: 5/15/2015**Report No.:** 363460**Project:** 89 Anderson Street**Project No.:** 15-1585**BULK SAMPLE ANALYSIS SUMMARY****Lab No.:** 5623425**Client No.:** 1585-2b**Description / Location:** Black Roof Material

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Synthetic	90

Lab No.: 5623426**Client No.:** 1585-2c**Description / Location:** Black Roof Material

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

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. Reed**Date:** 5/15/2015

Chain of Custody

-Bulk Asbestos-

Contact Information	
Client Company: <u>Pinkham Environmental</u>	Project Number: <u>15-1585</u>
Office Address: <u>P.O. Box 405</u>	Project Name: <u>89 Anderson Street</u>
City, State, Zip: <u>Boothbay, ME 04537</u>	Primary Contact: <u>Kimi Pinkham</u>
Fax Number: _____	Office Phone: _____
Email Address: <u>pinkhamk@roadrunner.com</u>	Cell Phone: <u>(207) 837-0571</u>

PLM Instructions:	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002 <input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010 <input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	<div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> EMAILED <u>5-13-15</u> </div> <input checked="" type="checkbox"/> PLM: Point Counting <input type="checkbox"/> PC: via ELAP 198.1 <input checked="" type="checkbox"/> PC: 400 Points <input type="checkbox"/> PC: 800 Points * <input type="checkbox"/> PC: 1600 Points *
<input checked="" type="checkbox"/> PLM: Analyze until Positive (Positive Stop) <input checked="" type="checkbox"/> AUP: by Homogenous Area as Noted <input type="checkbox"/> AUP: by Material Type as Noted <input type="checkbox"/> PLM: NOB via 198.6 <input type="checkbox"/> PLM: Friable via EPA 600 2.3 <input type="checkbox"/> If <1% by PLM, to TEM via 198.4 * <input type="checkbox"/> If <1% by PLM, Hold for Instructions	<input type="checkbox"/> PLM: Non-Building Material *** (Dust, Wipe, Tape) <input type="checkbox"/> Soil or Vermiculite Analysis * <input type="checkbox"/> CARB 435
<input checked="" type="checkbox"/> PLM: Instructions for Multi-Layered Samples <input checked="" type="checkbox"/> Analyze and Report All Separable Layers per EPA 600 <input type="checkbox"/> Report Composite for Drywall Systems per NESHAP <input type="checkbox"/> Report All Layers and Composite Where Applicable <input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	
Special Instructions: _____	
* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory	

Turnaround Time	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
<input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input checked="" type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

Chain of Custody			
Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>5-13-15</u>	Time: _____	<div style="border: 1px solid black; padding: 10px; display: inline-block;"> RECEIVED <u>MAY 14 2015</u> iATL - By <u>[Signature]</u> </div>
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: <u>5/14/15</u>	Time: _____	
Analysis (Name(s) / iATL): <u>[Signature]</u>	Date: <u>5/15/15</u>	Time: _____	
QA/QC Review (Name / iATL): <u>[Signature]</u>	Date: <u>5-15-15</u>	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	

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

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

June 11, 2015

PEI # 15-1585

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

RE: Demolition Impact Survey- Storage Out Building @ 89 Anderson Street in Portland, Maine

Mr. Culley:

On June 5, 2015 Pinkham Environmental, Inc. conducted a demolition impact survey for the presence of asbestos containing building materials (ACBM) on storage out building at 89 Anderson Street in Portland, ME. The main building on the same property had been surveyed on an earlier date. The survey coincided with the planned demolition of the building.

The only suspect material found in the build was a 25 square foot section of sheet vinyl flooring. Three samples of the flooring was collected and sent to be 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 sample.

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)

CERTIFICATE OF ANALYSIS

Client: Pinkham Environmental
P.O. Box 405
Boothbay ME 04537

Report Date: 6/8/2015
Report No.: 365284
Project: 89 Anderson Street
Project No.: 15-1595

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5644299	Description / Location: Blue Vinyl Sheet Flooring		
Client No.: 1595-1a	Storage Outbuilding Main Floor		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	15	Cellulose
		5	Fibrous Glass
			<u>% Non-Fibrous Material</u>
			80

Lab No.: 5644299	Description / Location: Black Mastic		Layer No.: 2
Client No.: 1595-1a	Storage Outbuilding Main Floor		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 5644300	Description / Location: Blue Vinyl Sheet Flooring		
Client No.: 1595-1b	Storage Outbuilding Main Floor		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	15	Cellulose
		5	Fibrous Glass
			<u>% Non-Fibrous Material</u>
			80

Lab No.: 5644300	Description / Location: Black Mastic		Layer No.: 2
Client No.: 1595-1b	Storage Outbuilding Main Floor		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			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 present at the detection limit. This report is based on a stratified point count method in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the detection limit. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. TEM is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: W. Redman

Approved By: 

Date: 6/8/2015

Frank F. Ehrenfeld III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Pinkham Environmental
P.O. Box 405
Boothbay ME 04537

Report Date: 6/8/2015
Report No.: 365284
Project: 89 Anderson Street
Project No.: 15-1595

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5644301 **Description / Location:** Blue Vinyl Sheet Flooring
Client No.: 1595-1c Storage Outbuilding Main Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	80
		5	Fibrous Glass	

Lab No.: 5644301 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 1595-1c Storage Outbuilding Main Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
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 (see analysis and/or positive identification). 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-fibrous organically bound (OB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Method by: W. Robinson

Date: 6/8/2015