Abatement Professionals

590 County Road, Suite 2, Westbrook ME 04092 Tel (207) 773-12

RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/30/15

September 24, 2014

Northland Enterprises LLC
C/O Alan Nichols
17 South Street, 3rd floor
Portland, Maine 04101
Email: anichols@developmentsvcs.com

Re: Asbestos Demolition Impact Assessment, former Century Tire, Portland, Maine.

Dear Mr. Nichols:

Abatement Professionals Corporation (APC) is providing you with the asbestos bulk testing results for the samples collected from readily accessible building materials that may be impacted by demolition/renovations activities at the former Century Tire company Marginal Way Portland, Maine.

APC collected Sixteen (16) samples of suspect building materials that may be impacted on renovations/demolition activities. The building materials collected included multiple types of flooring, wall materials, ceiling materials, suspect materials within the boundaries of the complex. The MDEP Chapter 425 and USEPA has minimum sampling requirements for asbestos building material investigations, the requirements are as follows;

Surfacing materials; sprayed or applied by trowel and include fireproofing materials and various plasters. At least three bulk samples of surfacing materials were collected from each homogeneous area that was less than 1,000-square feet. Five bulk samples were collected for areas 1,000 to 5,000-square feet, and seven bulk samples were collected for area greater than 5,000-square feet.

Thermal system insulation; including boiler cover, pipe cover, and duct insulation were assessed. The materials were either assumed to be asbestos containing or were sampled as follows; At least three bulk samples of thermal system insulation from each homogenous area or at least one bulk sample from each homogeneous patched area if the section is less than six linear or square feet.

Miscellaneous ACM; includes a variety of ceiling tiles, floor tiles, and gypsum board. Sample quantities for miscellaneous ACM follow the same requirements as for the two previously mentioned ACM types.

The sixteen bulk samples were collected with standard sampling protocols, properly packaged, maintained and shipped to EMSL Analytical Laboratory, South Portland, Maine for analysis by Polarized Light Microscopy (PLM) specific to asbestos content by volume.

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APC collected sample groups of suspect homogenous building materials from the structure at the site that will likely be impacted by demolition/renovation activities. **The bulk sample analysis indicates that the structure has regulated asbestos containing building materials in the following forms**;

Asbestos Materials	Location	% Asbestos	Regulated
9x9 floor tile located in offices and under the 12x12 tiles in the store front	Office, store floor, hallway and bathrooms under the ceramic tile work	Tile was 5.8% Chrysotile Mastic was 2% chrysotile	YES Maine DEP & OSHA
Exterior siding under vinyl siding	3 walls of exterior	18% Chrysotile	YES Maine DEP & OSHA
Service bay ceiling	Service bay	20% Chrysotile	YES Maine DEP & OSHA

The attached bulk sample analysis indicates that there are detectable levels of asbestos in a number of the building materials tested and must be removed by a State of Maine certified asbestos abatement contractor. Should any additional suspect building materials be found during any of the demolition/renovation work, the work should immediately stop until additional sampling can be conducted.

No Testing on any roof system was conducted because we didn't want to create possible leaks in the buildings if this purchase didn't move forward. Based on what was seen the roofs were replaced with what appears to be EDPM rubber roofing.

Testing was also conducted for lead based paints, the exterior building A, that will be remaining does show a level of lead based paint, when checked using a lead Chek stick, and this chek stick gives you a positive/negative result, but because this is a commercial building and will not be child occupied then the lead paint standards don't apply to this complex. Building B tested negative using the lead check sticks.

Universal waste, was noticed in all buildings, the items covered in this report are light tubes, light ballasts and mercury containing thermostats.

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We appreciate the opportunity to service your asbestos testing needs, should you require further bulk or air quality sampling please feel free to contact us at any time.

Very truly,

Robert W. Rickett Jr CIE,CMR
President

EMSL Analytical, Inc.
161 John Roberts Road South Portland, ME 04106
Phone/Fax: (207) 517-6921 / (207) 517-6922
http://www.EMSL.com / portlandlab@emsl.com

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Attn: Bob Rickett
Abatement Professionals Corporation
590 County Road
Suite #2
Westbrook, ME 04092

Phone: (207) 773-1276
Fax: (207) 772-1203
Collected:
Received: 9/10/2014
Analyzed: 9/12/2014

Proj: CENTURY TIME PORTLAND

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method via Polarized Light Microscopy

Client Sample ID: B-1-A-Floor Tile ***Lab Sample ID:*** **621401116-0001**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Beige	0.0%	100%	None Detected	

Client Sample ID: B-1-A-Mastic ***Lab Sample ID:*** **621401116-0001A**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Black	0.0%	100%	None Detected	

Client Sample ID: B-1-B-Floor Tile ***Lab Sample ID:*** **621401116-0002**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Beige	0.0%	100%	None Detected	

Client Sample ID: B-1-B-Mastic ***Lab Sample ID:*** **621401116-0002A**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Black	0.0%	100%	None Detected	

Client Sample ID: B-1-C-Floor Tile ***Lab Sample ID:*** **621401116-0003**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/12/2014	Beige	0.0%	100%	None Detected	

Client Sample ID: B-1-C-Mastic ***Lab Sample ID:*** **621401116-0003A**
Sample Description: 12X12 FLOORING AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/12/2014	Black	0.0%	100%	None Detected	

Client Sample ID: B-2-A-Floor Tile ***Lab Sample ID:*** **621401116-0004**
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Beige	0.0%	94.2%	**5.8% Chrysotile**	

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93
Polarized Light Microscopy

Date: 07/30/15

Client Sample ID: B-2-A-Mastic ***Lab Sa***
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014	Black	0.0%	98.0%	**2.0% Chrysotile**	

Client Sample ID: B-2-B-Floor Tile ***Lab Sample ID:*** **621401116-0005**
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014			Positive Stop (Not Analyzed)		

Client Sample ID: B-2-B-Mastic ***Lab Sample ID:*** **621401116-0005A**
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014			Positive Stop (Not Analyzed)		

Client Sample ID: B-2-C-Floor Tile ***Lab Sample ID:*** **621401116-0006**
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014			Positive Stop (Not Analyzed)		

Client Sample ID: B-2-C-Mastic ***Lab Sample ID:*** **621401116-0006A**
Sample Description: 9X9 TILE AND MASTIC

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/11/2014			Positive Stop (Not Analyzed)		

Client Sample ID: B-3-A ***Lab Sample ID:*** **621401116-0007**
Sample Description: SIDING EXTERIOR

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014	Gray/White	0%	82%	**18% Chrysotile**	

Client Sample ID: B-3-B ***Lab Sample ID:*** **621401116-0008**
Sample Description: SIDING EXTERIOR

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014			Stop Positive (Not Analyzed)		

Client Sample ID: B-3-C ***Lab Sample ID:*** **621401116-0009**
Sample Description: SIDING EXTERIOR

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014			Stop Positive (Not Analyzed)		

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93
Polarized Light Microscopy

Date: 07/30/15

Client Sample ID: B-4-A ***Lab Sa***
Sample Description: CEILING SERVICE BAY

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014	Gray	0%	80%	20% Chrysotile	

Client Sample ID: B-4-B ***Lab Sample ID:*** **621401116-0011**
Sample Description: CEILING SERVICE BAY

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014				Stop Positive (Not Analyzed)	

Client Sample ID: B-4-C ***Lab Sample ID:*** **621401116-0012**
Sample Description: CEILING SERVICE BAY

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/11/2014				Stop Positive (Not Analyzed)	

PLM: ME CERT.# BA-0150 (AM) BA-0142 (CW)
PLM EPA NOB: ME CERT.# BA-0150 (AM) BA-0142 (CW)

Analyst(s):

Alexander Maxinoski	PLM (2) PLM Grav. Reduction (6)
Christina Walker	PLM Grav. Reduction (2)

Reviewed and approved by:

CWalker

Christina Walker, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. South Portland, ME NVLAP Lab Code 500094-0
Initial report from: 09/12/201408:24:55

OrderID: 621401116

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 621401116

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Date: 07/30/15

Company: Abatement Pros	**EMSL-Bill to:** ☐ Sam If Bill to is Different note instruc *Third Party Billing requires written au*
Street:	
City: / **State/Province:**	**Zip/Postal Code:** / **Country:**
Report To (Name):	**Telephone #:**
Email Address: Bob	**Fax #:** / **Purchase Order:**
Project Name/Number: Century Tire Portl	**Please Provide Results:** ☐ Fax ☐ Email ☐ Mail
U.S. State Samples Taken:	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air ☐ Check if samples are from NY
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☒ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ TEM Qual. via Filtration Technique
- ☐ TEM Qual. via Drop-Mount Technique

Other:
- ☐

☒ **Check For Positive Stop – Clearly Identify Homogenous Group** | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: | **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
B-1-A-C	12x12 Flooring + mastic		
B-2-A-C	9x9 Tile + mastic		
B-3-A-C	Siding Exterior		
B-4-A-C	Ceiling, Service Bay		

Client Sample # (s): B-1-A - B-4-C **Total # of Samples:** 12 Plus mastic,

Relinquished (Client): [signature] **Date:** 9-10-14 **Time:** 10:00am

Received (Lab): [signature] **Date:** 9.10.14 **Time:** 10am

Comments/Special Instructions:

received 12

Controlled Document – Asbestos COC – R5 – 1/11/2012

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