

STATE OF WASHINGTON
MILITARY DEPARTMENT
CONSTRUCTION & FACILITIES MAINTENANCE OFFICE
BUILDING 36, CAMP MURRAY
TACOMA, WA 98430

BUILDING #1 RE-ROOF

PROJECT NUMBER: 2015-652

July 20, 2016

- 1 The Bid due date is unchanged from the advertisement – July 21, 2016 by 2:00pm
- 2 A copy of the NVL Laboratories report is included.
- 3 The contractor is responsible to obtain all required permits from Pierce County Public Works.
- 4 A proposed substitution of Carlisle SureFlex PVC membrane in lieu of the specified PVC membrane has been recieved. The status of the product substitution is ACCEPTED
- 5 QUESTION: A change to what is spec'ed out. Can we leave the tile in place and steam pressure wash the tile in place. The water will go into the gutter and down the downspouts. Near the bottom of the downspout cut the downspout and connect a hose that will run into a container. Not allowing the water to hit the ground. These containers can be taken to the correct disposal place. The amount of cost per container to empty them will be paid by the contractor but will be reimbursed by Camp Murray or the government to the contractor per a change order. Then the tile can be removed in sections and new base installed and tile replaced. This will save a lot of breakage, time and cost savings to the government.

ANSWER: Remove clay tile and clean offsite as specified.

End of Addendum Number 1

July 19, 2016

Pravat Sripranaratanakul
Wetherholt & Associates, Inc.
P.O.Box 816
Kirkland, WA 98083



Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1614637.00

Client Project: 1506-09D1
Location: Camp Murray Building 1

Dear Mr. Sripranaratanakul,

Enclosed please find test results for the 2 sample(s) submitted to our laboratory for analysis on 7/18/2016.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly'.

Nick Ly, Technical Director



Lab Code: 102063-0

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

Enc.: Sample Results

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Wetherholt & Associates, Inc.

Address: P.O.Box 816
Kirkland, WA 98083

Batch #: 1614637.00

Client Project #: 1506-09D1

Date Received: 7/18/2016

Samples Received: 2

Samples Analyzed: 2

Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Pravat Sripranaratanakul

Project Location: Camp Murray Building 1

Lab ID: 16243637 Client Sample #: 1

Location: Camp Murray Building 1

Layer 1 of 1 Description: Built-up black asphaltic fibrous material with granules

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: % None Detected ND
Asphalt/Binder, Binder/Filler, Fine particles	Glass fibers 48%	
Granules		

Lab ID: 16243638 Client Sample #: 2

Location: Camp Murray Building 1

Layer 1 of 1 Description: Multi-layered black asphaltic fibrous felt

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: % None Detected ND
Asphalt/Binder, Binder/Filler, Fine particles	Cellulose 82%	

Sampled by: Client

Analyzed by: Welly Hsieh

Reviewed by: Nick Ly

Date: 07/18/2016

Date: 07/19/2016

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Company Wetherholt & Associates, Inc. **NVL Batch Number** **1614637.00**
Address P.O.Box 816 **TAT** 1 Day **AH** No
 Kirkland, WA 98083 **Rush TAT**
Project Manager Mr. Pravat Sripranaratanakul **Due Date** 7/19/2016 **Time** 8:00 AM
Phone (425) 822.8397 **Email** pravat@wetherholt.com
Fax (425) 822.7595

Project Name/Number: 1506-09D1 **Project Location:** Camp Murray Building 1

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 2 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	16243637	1		A
2	16243638	2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Drop Box				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Justin Shearer		NVL	7/18/16	0800
Analyzed by	Welly Hsieh		NVL	7/18/16	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 7/18/2016
 Time: 9:23 AM
 Entered By: Justin Shearer

**Chain of Custody
Asbestos Testing Sample Log**

Date: July 15, 2016

Lab Name: NVL

Job Name: Camp Murray Building 1

Job Number: 1506-09D1

Project Engineer: Pravat Sripranaratanakul

Total test samples: 2 Turn around time: 24 hr 5 days 6-10 days

Condition of sample package: Good Damaged(no spillage) Other (spillage)

Sequence #	Lab ID:	Sample Number:	Comments:
1		1	Low Slope Roof
2		2	Steep Slope Roof

Special request or instructions: Stop at first positive.

Notes: Camp Murray Bldg 1

	Print Name	Signature	Date	Time
Sampled by:	Pravat Sripranaratanakul		07/14/16	11:30 pm
Relinquished by:	Pravat Sripranaratanakul		07/15/16	8:46 am
Received by	<u>Justin Shearer</u>		<u>7-18-16</u>	<u>800 DB</u>
Analyzed by				
Results faxed/sent by				

W E T H E R H O L T A N D A S S O C I A T E S , I N C .

LETTER OF TRANSMITTAL

FROM: WETHERHOLT AND ASSOCIATES, INC.
13104 N.E. 85th Street
P.O. Box 816
Kirkland, Washington 98083

Date: July 15, 2016

Attn: Nick Ly
 NVL Laboratories, Inc.
 4708 Aurora Avenue North
 Seattle, WA 98103

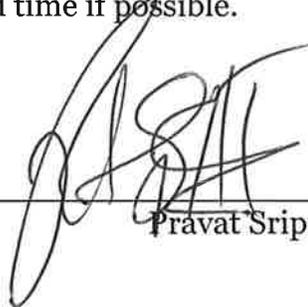
Re: Camp Murray Building 1
 Roofing Sample for Asbestos Testing

WE ARE SENDING YOU THE ATTACHED (SEE BELOW)

Date	Number	Description
July 15, 2015	2	Roof Samples

Please provide asbestos testing of the enclosed roofing membrane samples. We would like a 1 day turn around time if possible.

Signed _____



Pravat Sripranaratanakul, Field Engineer

cc: File

Wetherholt and Associates, Inc.
 13104 N.E. 85th Street
 PO Box 816
 Kirkland, WA 98083
 425-822-8397 FAX 425-822-7595

JOB _____
 SHEET NO. _____ OF _____
 CALCULATED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SCALE _____

Name	Company	Cell #	Email
ERIC KLAWER	SANDER	206-396-4211	erik@clawer-build.com
MIKE BURNS DAN W. BURNHAM JOHN LUPPO	WAGGERS WAGNER'S JLCI	253 273-5854 360 580 7725	mburns@wagnersroofing.com dason@wagnersroofing.com johnluppo@johnluppo.com
MATT KAEZEL	ARCH SHEET METAL	253 445-9500	matt@hearchitecturalsheetmetal.com
DAVID BURNHAM ANNETTE KASCHKE	BURNHAM SOUTHWEST CONST	253 830 4114 425-457-0738	dburnham@burnham.com swoconstruction@burnham.com srglobal.net