



3 Kings Environmental, Inc.

# Hazardous Materials Inspection

Good Faith Inspection

10/16/17

Prepared For: Eric Yakovich  
Port of Kalama  
110 West Marine  
Kalama, WA 98625

Project: Port of Kalama ACM Survey  
1265 NW 3<sup>rd</sup> Street  
Kalama, WA 98625

RE: Port of Kalama ACM Survey

## **BACKGROUND**

On 9/19/17 3 Kings Environmental, Inc. performed a Good Faith Inspection of the above mentioned project to determine the presence of asbestos containing materials (ACMs). The intent of this inspection is to ensure that the property owner is in compliance with the regulatory requirements for the identification of ACMs prior to any demolition or renovation activities.

## **BUILDING DESCRIPTION**

The structures were an abandoned scale house and office building. The property owners are planning on demolishing both structures.

Interior Finishes: Drywall ceilings and walls with texture. Sheet vinyl flooring, carpet and 9"x9xx' tile covers multiple areas of the floors.

Exterior Finishes: Wood panel siding, aluminum clad windows and a 3 tab tar roof.

## **SAMPLING PROCESS**

All accessible areas of the structure were sampled during the inspection. Inaccessible areas are those defined as requiring select demolition, fall protection, repair to the structure i.e. weather protection or water proofing or are considered a confined space entry. If during the course of asbestos abatement or demolition suspect materials are discovered that are not identified on this report stop work immediately. These materials need to be treated as asbestos containing until the material can be tested by an AHERA Building Inspector and determined otherwise.

Suspect materials were collected by an AHERA certified building inspector. Samples are then given a unique identification number. Sample information such as type of material and its locations are then placed on the chain of custody that accompany the samples to the testing laboratory. Once the samples are delivered to an asbestos laboratory for analysis. Samples are analyzed by polarized light microscopy (PLM) with dispersion staining in accordance with USEPA 600/M-82/020, which has a reliable limit of quantification of one percent asbestos by volume.

Samples were collected following EPA guidelines. The suspect materials are broken down into three categories: Surfacing Materials, Thermal System Insulation, and Miscellaneous Materials. Each of these categories have a set of guideline that were followed that include the number of samples required for that particular category based on the quantity of the material, how the material was applied and what was the intent of the material. All these factors are accounted for during the time of inspection.

**AHERA Certified Building Inspector**

Certified AHERA Building Inspector was Jeffrey Farrell  
 Certification # IN-17-5163B, Expiration April 12, 2018

**SURVEY FINDINGS**

The following is a summary of all the suspect bulk asbestos sampled during the inspection.

Sample #	Material Description	Sample Location	Friability	Lab Result
1625-01	Pebble Sheet Vinyl Flooring	Building 1	NF	NAD
1625-02	Pebble Sheet Vinyl Flooring	Building 1	NF	NAD
1625-03	Pebble Sheet Vinyl Flooring	Building 1	NF	NAD
1625-04	GWB With Paint – Wallboard Only	Building 1	F	NAD
1625-04	GWB With Paint – Joint Compound Only	Building 1	F	NAD
1625-05	9x9 Floor Tile With Mastic – Tile Only	Building 2, Room 1	NF	NAD
1625-05	9x9 Floor Tile With Mastic – Mastic Only	Building 2, Room 1	NF	NAD
1625-06	Leveling Compound Underneath Carpet – Leveling Compound Only	Building 2, Room 1	NF	NAD
1625-06	Leveling Compound Underneath Carpet – Mastic	Building 2, Room 1	NF	NAD
1625-07	Carpet With Mastic – Carpet Only	Building 2, Room 1	NF	NAD
1625-07	Carpet With Mastic – Mastic Only	Building 2, Room 1	NF	NAD
1625-08	Carpet	Building 2, Room 2	NF	NAD
1625-09	Window Caulking	Building 2, Room 2	NF	NAD
1625-10	Granulated Roofing Material	Building 1	NF	NAD
1625-11	Granulated Roofing Material	Building 2	NF	NAD
1625-12	GWB With Paint – GWB Only	Building 2, Room 1	F	NAD
1625-12	GWB With Paint – Joint Compound Only	Building 2, Room 1	F	NAD

**Legend:**

NAD – No Asbestos Detected  
 F – Friable (can be pulverized by hand pressure)

NF – Non-Friable  
PACM – Presumed Asbestos Containing Material

## **RESULTS AND RECOMMENDATIONS**

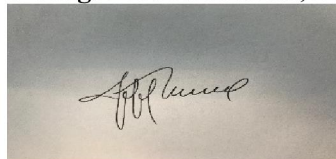
Of the twelve (12) suspect bulk materials sampled with 17 individual layers, zero samples tested positive for asbestos with a concentration greater than 1%.

3 Kings Environmental, Inc. recommends that any ACM or PACM to be impacted during the course of the renovation or demolition be removed by a licensed, bonded, and insured asbestos abatement firm. Removal and disposal of asbestos containing materials should only be performed by certified firms following all local, state, and federal guidelines. Should materials not noted in this report be discovered during the course of the work, stop all demolition and have the newly discovered materials tested for asbestos or treat the materials as an asbestos containing material. Be sure to notify the governing authorities and clean-air agencies prior to disturbing materials over the recordable limits.

The conclusions/ recommendations of the report are professional opinions based solely on visual observations and interpretation of sample results from our third party laboratory. Re-use of this document for other than its intended purpose are at the sole risk of said user. 3 kings Environmental, Inc. cannot be held responsible for the interpretation by others of the data contained in this report as site conditions or regulations may have changed. 3 Kings Environmental makes no warranty, expressed or implied for information found in this report.

If you have any questions regarding this asbestos survey/inspection report, please contact me at (360) 949-5651, or email: [jfarrell@3kingsinc.com](mailto:jfarrell@3kingsinc.com)

Respectfully submitted,  
**3 Kings Environmental, Inc.**



Jeffrey A. Farrell  
Certified AHERA Building Inspector

# Laboratory Results

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**3 Kings Environmental Inc.**

Report Date: 9/22/2017  
Project Name: Port Of Kalama  
Project #: 217121  
SanAir ID#: 17037538



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



**804.897.1177**

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# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
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**3 Kings Environmental Inc.  
PO Box 280  
Battle Ground, WA 98604**

September 22, 2017

SanAir ID # 17037538  
Project Name: Port Of Kalama  
Project Number: 217121

Dear Jeff Farrell,

We at SanAir would like to thank you for the work you recently submitted. The 12 sample(s) were received on Thursday, September 21, 2017 via FedEx. The final report(s) is enclosed for the following sample(s): 1625-01, 1625-02, 1625-03, 1625-04, 1625-05, 1625-06, 1625-07, 1625-08, 1625-09, 1625-10, 1625-11, 1625-12.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

12 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

17037538

FINAL REPORT

**Name:** 3 Kings Environmental Inc.  
**Address:** PO Box 280  
Battle Ground, WA 98604

**Project Number:** 217121  
**P.O. Number:** 25456  
**Project Name:** Port Of Kalama

**Collected Date:** 9/19/2017  
**Received Date:** 9/21/2017 3:20:00 PM  
**Report Date:** 9/22/2017 2:32:31 PM  
**Analyst:** Robertson, Erin

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-01 / 17037538-001 Sheet Vinyl Flooring - Building 1	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-02 / 17037538-002 Sheet Vinyl Flooring - Building 1	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-03 / 17037538-003 Sheet Vinyl Flooring - Building 1	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-04 / 17037538-004 Gypsum Wall Board With Paint - Building 1, Wallboard	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1625-04 / 17037538-004 Gypsum Wall Board With Paint - Building 1, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-05 / 17037538-005 9X9 Floor Tile With Mastic - Building 2 Room 1, Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
1625-05 / 17037538-005 9X9 Floor Tile With Mastic - Building 2 Room 1, Mastic	Black Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-06 / 17037538-006 From Underneath Carpet With Mastic, Leveling Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
1625-06 / 17037538-006 From Underneath Carpet With Mastic, Mastic	Tan Non-Fibrous Homogeneous	3% Synthetic	97% Other	None Detected

### Certification

Analyst: *Erin Robertson*  
Analysis Date: 9/22/2017

Approved Signatory: *Sandra Sobrin*  
Date: 9/22/2017





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SanAir ID Number

**17037538**

FINAL REPORT

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Battle Ground, WA 98604

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**Analyst:** Robertson, Erin

## Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-07 / 17037538-007 Carpet With Mastic - Building 2 Room 1, Carpet	Brown Fibrous Heterogeneous	90% Synthetic	10% Other	None Detected

1625-07 / 17037538-007 Carpet With Mastic - Building 2 Room 1, Mastic	Tan Non-Fibrous Homogeneous	2% Synthetic	98% Other	None Detected
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SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-08 / 17037538-008 Carpet - Building 2 Room 2	Grey Fibrous Heterogeneous	90% Synthetic	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-09 / 17037538-009 Window Caulking - Building 2	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-10 / 17037538-010 Granulated Roofing Material - Building 1	Black Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-11 / 17037538-011 Granulated Roofing Material - Building 2	Black Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1625-12 / 17037538-012 Gypsum Wall Board With Paint - Building 2 Room 1, Wallboard	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
1625-12 / 17037538-012 Gypsum Wall Board With Paint - Building 2 Room 1, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

### Certification

Analyst: *Erin Robertson*  
Analysis Date: 9/22/2017

Approved Signatory: *Sandra Sobrin*  
Date: 9/22/2017

## **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983



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**Asbestos  
 Chain of Custody**  
 Form 140, Rev 1, 1/20/2017

SanAir ID Number  
 17037538

Company: 3 Kings Environmental Inc.	Project #: 217121	Collect by:
Address: PO Box 280	Project Name: Port Of Kalama	Phone #: 360-666-5464
City, St., Zip: Battle Ground, WA 98604	Date Collected: 9/19/17	Fax #: 360-666-8202
State of Collection: WA Account#: 2344	P.O. Number: 25456	Email: jfarrell@3kingsinc.com

Bulk		Air		Soil	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	<b>Dust</b>	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	<b>New York ELAP</b>		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	<b>Matrix Other</b>	
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>		
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		
<b>Water</b>					
ABHE	EPA 100.2 <input type="checkbox"/>				

\*\* Available on 24-hr. to 5-day TAT

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input checked="" type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
1625-01	Pebble Sheet Vinyl Flooring - Building 1		9/19/17		
1625-02	Pebble Sheet Vinyl Flooring - Building 1		9/19/17		
1625-03	Pebble Sheet Vinyl Flooring - Building 1		9/19/17		
1625-04	Gypsum Wall Board With Paint - Building 1		9/19/17		
1625-05	9x9 Floor Tile With Mastic - Building 2 Room 1		9/19/17		
1625-06	Leveling Compound From Underneath Carpet With Carpet Mastic - Building 2 Room 1		9/19/17		
1625-07	Carpet With Mastic - Building 2 Room 1		9/19/17		
1625-08	Carpet - Building 2 Room 2		9/19/17		
1625-09	Window Caulking - Building 2		9/19/17		
1625-10	Granulated Roofing Material - Building 1		9/19/17		
1625-11	Granulated Roofing Material - Building 2		9/19/17		
1625-12	Gypsum Wall Board With Paint - Building 2 Room 1		9/19/17		

Relinquished by	Date	Time	Received by	Date	Time
Jeff Farrell	9/19/17		>6	9/21/17	7:20

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

# Certification

THIS IS TO CERTIFY THAT  
**JEFF FARRELL**

**HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE**  
for  
**ASBESTOS INSPECTOR INITIAL COURSE**

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 4/10/2017 - 4/12/2017

Course Location: Portland, OR

Certificate: IN-17-5163B



AHERA is the Asbestos Hazard Emergency  
Response Act enacting Title II of Toxic Substance  
Control Act (TSCA)

Expiration Date: 04/12/2018

For verification of the authenticity of this  
certificate contact:  
PBS Environmental  
4412 SW Corbett Avenue  
Portland, OR 97239  
(503) 248-1939

*Gregory M. Baker*

Greg Baker, Instructor