



Scot Wolfington &lt;scotw.coonrod@gmail.com&gt;

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## Asbestos Research for Wamego

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**Carl Riblett** <cor@bbnarchitects.com>

Wed, Mar 29, 2017 at 8:13 AM

To: Tim Winter <wintert@usd320.com>, Lawrence Hannan <hannanl@usd320.com>, Trent Ross <rosst@usd320.com>, Brad Rice <bradr@coonrod.com>, Scot Wolfington <scotw@coonrod.com>, Daniel Crouch <dlc@bbnarchitects.com>, Patrick Schaub <pas@bbnarchitects.com>, Brent Bowman <bab@bbnarchitects.com>, Brad Ross <bradr@osepa.com>

Following are the reports from Associated Insulation walk thru and testing of samples.

Middle School- No asbestos in mechanical room mastic and tape on fittings

High School- Ag Shop floor tile and mastic- positive

High School- FAC's Room floor tile and mastic- positive

High School- Locker Room door divider panels- positive

Josh will be preparing an estimate for removals.

Thanks Carl

--

CARL O. RIBLETT | *Director of Quality Assurance and Construction Budgeting*

BBN ARCHITECTS INC. **MANHATTAN, KS** | KANSAS CITY, MO


228 POYNTZ AVENUE MANHATTAN, KANSAS 66502


O. 785-776-4912 M. 785-456-5409


Check out our new website: [www.bbnarchitects.com](http://www.bbnarchitects.com)

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### 3 attachments

 **17010940\_Wamego Schools\_2017328174522.pdf**  
341K

 **17010938\_Wamego Schools\_2017328173912.pdf**  
364K

 **17010942\_Wamego Schools\_2017328174557.pdf**  
358K

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**Associated Insulation, Inc.**

Report Date: 3/28/2017  
Project Name: Wamego Schools  
Project #: 8.0359  
SanAir ID#: 17010940



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



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# SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139  
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070  
Web: <http://www.sanair.com> E-mail: [iaq@sanair.com](mailto:iaq@sanair.com)

**Associated Insulation, Inc.**  
701 Pecan Cr.  
Manhattan, KS 66502

March 28, 2017

SanAir ID # 17010940  
Project Name: Wamego Schools  
Project Number: 8.0359

Dear Josh Erb,

We at SanAir would like to thank you for the work you recently submitted. The 2 sample(s) were received on Tuesday, March 28, 2017 via FedEx. The final report(s) is enclosed for the following sample(s): Mech Rm M.S., Mech Mastic M.S..

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:

2 sample(s) in Good condition



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SanAir ID Number

**17010940**

FINAL REPORT

**Name:** Associated Insulation, Inc.  
**Address:** 701 Pecan Cr.  
Manhattan, KS 66502

**Project Number:** 8.0359  
**P.O. Number:** Middle School  
**Project Name:** Wamego Schools

**Collected Date:** 3/24/2017  
**Received Date:** 3/28/2017 10:30:00 AM  
**Report Date:** 3/28/2017 5:45:24 PM  
**Analyst:** Robertson, Erin

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

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Mech Rm M.S. / 17010940-001 Duct Tape	Off-White Fibrous Heterogeneous	55% Cellulose	45% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Mech Mastic M.S. / 17010940-002 Mastic On Fittings, Mastic	White Non-Fibrous Homogeneous		100% Other	None Detected
Mech Mastic M.S. / 17010940-002 Mastic On Fittings, Insulation	Yellow Fibrous Homogeneous	97% Glass	3% Other	None Detected

### Certification

Analyst: *Erin Robertson*

Approved Signatory: *[Signature]*

Analysis Date: 3/28/2017

Date: 3/28/2017

### **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



# SanAir Technologies Laboratory

## Analysis Report

prepared for

**Associated Insulation, Inc.**

Report Date: 3/28/2017  
Project Name: Wamego Schools  
Project #: 8.0359  
SanAir ID#: 17010938



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



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**Associated Insulation, Inc.**  
**701 Pecan Cr.**  
**Manhattan, KS 66502**

March 28, 2017

SanAir ID # 17010938  
Project Name: Wamego Schools  
Project Number: 8.0359

Dear Josh Erb,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Tuesday, March 28, 2017 via FedEx. The final report(s) is enclosed for the following sample(s): Fax Room H.S., Weight Room H.S., Transite Panel H.S..

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:

3 sample(s) in Good condition





# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

**17010938**

FINAL REPORT

**Name:** Associated Insulation, Inc.  
**Address:** 701 Pecan Cr.  
Manhattan, KS 66502

**Project Number:** 8.0359  
**P.O. Number:** High School  
**Project Name:** Wamego Schools

**Collected Date:** 3/24/2017  
**Received Date:** 3/28/2017 10:30:00 AM  
**Report Date:** 3/28/2017 5:39:14 PM  
**Analyst:** Wilson, Johnathan

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

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Fax Room H.S. / 17010938-001 Tile - Mastic, Tile	Brown Non-Fibrous Homogeneous		97% Other	3% Chrysotile
Fax Room H.S. / 17010938-001 Tile - Mastic, Mastic	Black Non-Fibrous Homogeneous		96% Other	4% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Weight Room H.S. / 17010938-002 Wall Texture	White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Transite Panel H.S. / 17010938-003 Concrete Board	Grey Non-Fibrous Homogeneous		85% Other	15% Chrysotile

### Certification

Analyst: 

Analysis Date: 3/28/2017

Approved Signatory:



Date: 3/28/2017

### **Disclaimer**

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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

SanAir ID Number  
 17010938

Company: Associated Insulation Inc		Project #: 8.0359	Collected by:
Address: 701 Pecan Circle		Project Name: Wamego Schools	Phone #:
City, St., Zip: Manhattan, KS 66502		Date Collected: 3-24-17	Fax #:
State of Collection: KS	Account#: 2778	P.O. Number: High School	Email:

Bulk		Air		Soil/Vermiculite	
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"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				
Water		New York ELAP			
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		

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

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Time* Start - Stop
	High School		3-24		
Fax Room H.S.	tile - mastic		↓		
Weight Room H.S.	wall texture				
Transite Panel H.S.	concrete board				

Relinquished by	Date	Time	Received by	Date	Time
JSZ	3-27-17	NOON	MC	MAR 28 2017	10:30AM

Unless scheduled, the turn around 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 turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

# SanAir Technologies Laboratory

## Analysis Report

prepared for

**Associated Insulation, Inc.**

Report Date: 3/28/2017  
Project Name: Wamego Schools  
Project #: 8.0359  
SanAir ID#: 17010942



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



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# SanAir Technologies Laboratory, Inc.

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**Associated Insulation, Inc.**  
**701 Pecan Cr.**  
**Manhattan, KS 66502**

March 28, 2017

SanAir ID # 17010942  
Project Name: Wamego Schools  
Project Number: 8.0359

Dear Josh Erb,

We at SanAir would like to thank you for the work you recently submitted. The 2 sample(s) were received on Tuesday, March 28, 2017 via FedEx. The final report(s) is enclosed for the following sample(s): Ceiling Tile AG, Flooring AG.

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:

2 sample(s) in Good condition



# SanAir Technologies Laboratory, Inc.

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SanAir ID Number

## 17010942

FINAL REPORT

**Name:** Associated Insulation, Inc.  
**Address:** 701 Pecan Cr.  
Manhattan, KS 66502

**Project Number:** 8.0359  
**P.O. Number:** AG Shop  
**Project Name:** Wamego Schools

**Collected Date:** 3/24/2017  
**Received Date:** 3/28/2017 10:30:00 AM  
**Report Date:** 3/28/2017 5:45:58 PM  
**Analyst:** Wilson, Johnathan

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

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Ceiling Tile AG / 17010942-001	White	60% Cellulose	10% Other	None Detected
Ceiling Tile	Fibrous	20% Min. Wool		
	Homogeneous	10% Glass		

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
Flooring AG / 17010942-002	Brown		98% Other	2% Chrysotile
Tile - Mastic, Tile	Non-Fibrous			
	Homogeneous			
Flooring AG / 17010942-002	Black		95% Other	5% Chrysotile
Tile - Mastic, Mastic	Non-Fibrous			
	Homogeneous			

### Certification

Analyst: 

Analysis Date: 3/28/2017

Approved Signatory: 

Date: 3/28/2017

### **Disclaimer**

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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

SanAir ID Number

17010942

Company: Associated Insulation Inc		Project #: 8.0359	Collected by:
Address: 701 Pecan Circle		Project Name: Wamego Schools	Phone #:
City, St., Zip: Manhattan, KS 66502		Date Collected: 3-24-17	Fax #:
State of Collection: KS	Account#: 2778	P.O. Number: AG SHOP	Email:

Bulk		Air		Soil/Vermiculite			
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"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>		
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>		
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>		
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	Dust			
ABBCH	TEM Chatfield <input type="checkbox"/>	New York ELAP				ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABBTM	TEM EPA NOB <input type="checkbox"/>			PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
Water				ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	Matrix Other <input type="checkbox"/>	
ABHE	EPA 100.2 <input type="checkbox"/>			ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>		
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>				

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

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Time* Start - Stop
Ceiling Tile AG	ceiling tile		3-24		
Flooring AG	tile-mastic		↓		

Relinquished by	Date	Time	Received by	Date	Time
ASL	3-27-17	12 NOON	MC	MAR 28 2017	10:30AM

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