WESTERN STATE HOSPITAL
HAZARDOUS MATERIALS SURVEY

LAB ANALYSIS
BUILDING #103

*208 Walnut Hills Road • **Staunton**, VA 24401 • Tel: (540) 337-3740 • Fax: (540) 337-9075*
Email: mhart @ei1.com • Online: www.ei1.com

SanAir Technologies Laboratory

Analysis Report

prepared for

EI Group, Inc Roanoke Office

Report Date: 9/10/2013
Project Name: Wstn State Hosp Bldg 103
Project #: 196
SanAir ID#: 13021162

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL MICROBIOLOGY

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

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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

EI Group, Inc Roanoke Office
15 Salem Ave SE
Suite 301
Roanoke, VA 24011

September 10, 2013

SanAir ID # 13021162
Project Name: Wstn State Hosp Bldg 103
Project Number: 196

Dear Melissa Hart,

We at SanAir would like to thank you for the work you recently submitted. The 8 sample(s) were received on Tuesday, September 10, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 103-001, 103-002, 103-003, 103-004, 103-005, 103-006, 103-007, 103-008.

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

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
8 sample(s) in Good condition

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SanAir ID Number
13021162
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: 196
P.O. Number:
Project Name: Wstn State Hosp Bldg 103

Collected Date: 9/9/2013
Received Date: 9/10/2013 9:30:00 AM
Report Date: 9/10/2013 4:42:06 PM
Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-001 / 13021162-001 Bur	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-002 / 13021162-002 Bur	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-003 / 13021162-003 Roof Flashing	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
103-004 / 13021162-004 Roof Flashing	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile
103-005 / 13021162-005 Slate Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
103-006 / 13021162-006 Slate Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
103-007 / 13021162-007 Ext Edge Caulk	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Date: 9/10/2013

Reviewed: Sandra Sobrino Date: 9/10/2013

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Received Date: 9/10/2013 9:30:00 AM
Report Date: 9/10/2013 4:42:06 PM
Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
103-008 / 13021162-008 Ext Edge Caulk	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Date: 9/10/2013

Reviewed: Sandra Sobrino Date: 9/10/2013

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, Inc.

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www.sanair.com

Asbestos Chain of Custody

SanAir ID Number: 13021162

Company: EI	Project #: 196	Collect by: V. Hart
Address:	Project Name: WSH State Hosp	Phone #:
City, St., Zip:	Date Collected: Bldg 103	Fax #:
State of Collection: Account#:	P.O. Number: 9-5-13	Email:

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Water

ABHE	EPA 100.2	☐

New York ELAP

PLM NY	PLM 600/M4/82/020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix / Other

		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ☑
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop
103-001	Bur				
002	"				
003	roof flashing				
004	" "				
005	Black slate mastic				
~~006~~	~~" " "~~				
007	EXT edge caulk				
008	" " "				

Relinquished by	Date	Time	Received by	Date	Time
				SEP 10 2013	9:30 AM

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.

Page ___ of ___

SanAir Technologies Laboratory

Analysis Report

prepared for

EI Group, Inc Roanoke Office

Report Date: 9/13/2013
Project Name: Western State Hospital
Project #: IHRO130196.00
SanAir ID#: 13021439

NVLAP LAB CODE 200870-0

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Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

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EI Group, Inc Roanoke Office
15 Salem Ave SE
Suite 301
Roanoke, VA 24011

September 13, 2013

SanAir ID # 13021439
Project Name: Western State Hospital
Project Number: IHRO130196.00

Dear Melissa Hart,

We at SanAir would like to thank you for the work you recently submitted. The 48 sample(s) were received on Thursday, September 12, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 103-9, 103-10, 103-11, 103-12, 103-13, 103-14, 103-15, 103-16, 103-17, 103-18, 103-19, 103-20, 103-21, 103-22, 103-23, 103-24, 103-25, 103-26, 103-27, 103-28, 103-29, 103-30, 103-31, 103-32, 103-33, 103-34, 103-35, 103-36, 103-37, 103-38, 103-39, 103-40, 103-41, 103-42, 103-43, 103-44, 103-45, 103-46, 103-47, 103-48, 103-49, 103-50, 103-51, 103-52, 103-53, 103-54, 103-55, 103-56.

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

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
48 sample(s) in Good condition

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SanAir ID Number
13021439
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: IHRO130196.00
P.O. Number:
Project Name: Western State Hospital

Collected Date: 9/11/2013
Received Date: 9/12/2013 10:00:00 AM
Report Date: 9/13/2013 12:42:34 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-9 / 13021439-001	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-10 / 13021439-002	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-11 / 13021439-003 Floor Tile	Beige Non-Fibrous Homogeneous		98% Other	2% Chrysotile
103-11 / 13021439-003 Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-12 / 13021439-004 Floor Tile	Beige Non-Fibrous Homogeneous		98% Other	2% Chrysotile
103-12 / 13021439-004 Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-13 / 13021439-005 Ceiling Tile	Various Fibrous Homogeneous	85% Glass	15% Other	None Detected
103-13 / 13021439-005 Mastic	Brown Non-Fibrous Homogeneous	< 1% Wollastonite	100% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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Report Date: 9/13/2013 12:42:34 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-14 / 13021439-006 Ceiling Tile	Various Fibrous Homogeneous	85% Glass	15% Other	None Detected
103-14 / 13021439-006 Mastic	Brown Non-Fibrous Homogeneous	< 1% Wollastonite	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-15 / 13021439-007 Ceiling Tile	Various Fibrous Homogeneous	85% Glass	15% Other	None Detected
103-15 / 13021439-007 Mastic	Brown Non-Fibrous Homogeneous	< 1% Wollastonite	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-16 / 13021439-008 Ceiling Tile	Various Fibrous Homogeneous	85% Glass	15% Other	None Detected
103-16 / 13021439-008 Mastic	Brown Non-Fibrous Homogeneous	< 1% Wollastonite	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-17 / 13021439-009	Grey Fibrous Homogeneous	90% Cellulose	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-18 / 13021439-010	Various Fibrous Homogeneous	80% Cellulose	20% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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Report Date: 9/13/2013 12:42:34 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-19 / 13021439-011	Various Non-Fibrous Homogeneous	3% Glass	90% Other	5% Chrysotile 2% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-20 / 13021439-012	Various Non-Fibrous Homogeneous	3% Glass	90% Other	5% Chrysotile 2% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-21 / 13021439-013	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-22 / 13021439-014	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-23 / 13021439-015 Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
103-23 / 13021439-015 Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-24 / 13021439-016 Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
103-24 / 13021439-016 Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
103-24 / 13021439-016 Texture	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 9/13/2013

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Date: 9/13/2013

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-25 / 13021439-017	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
103-26 / 13021439-018	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
103-27 / 13021439-019	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
103-28 / 13021439-020	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected
103-29 / 13021439-021	Grey Non-Fibrous Homogeneous		100% Other	None Detected
103-30 / 13021439-022	Grey Non-Fibrous Homogeneous		100% Other	None Detected
103-31 / 13021439-023 Flooring	Grey Non-Fibrous Homogeneous		100% Other	None Detected
103-31 / 13021439-023 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-32 / 13021439-024 Flooring	Grey Non-Fibrous Homogeneous		100% Other	None Detected
103-32 / 13021439-024 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-33 / 13021439-025 Cork	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-33 / 13021439-025 Mastic	Black Non-Fibrous Homogeneous		94% Other	6% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-34 / 13021439-026 Cork	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-34 / 13021439-026 Mastic	Black Non-Fibrous Homogeneous		94% Other	6% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-35 / 13021439-027 Flooring	Blue Non-Fibrous Homogeneous		100% Other	None Detected
103-35 / 13021439-027 Mastic	Various Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-36 / 13021439-028 Flooring	Blue Non-Fibrous Homogeneous		100% Other	None Detected
103-36 / 13021439-028 Mastic	Various Non-Fibrous Homogeneous		97% Other	3% Chrysotile

Certification

Signature: Susan P. Childress
Date: 9/13/2013

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-37 / 13021439-029 Cove Base	Blue Non-Fibrous Homogeneous		100% Other	None Detected
103-37 / 13021439-029 Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-38 / 13021439-030 Cove Base	Blue Non-Fibrous Homogeneous		100% Other	None Detected
103-38 / 13021439-030 Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-39 / 13021439-031	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-40 / 13021439-032	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-41 / 13021439-033	Various Non-Fibrous Homogeneous	3% Glass 8% Cellulose	85% Other	4% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-42 / 13021439-034	Various Non-Fibrous Homogeneous	3% Glass 8% Cellulose	85% Other	4% Chrysotile

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-43 / 13021439-035 Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
103-43 / 13021439-035 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-44 / 13021439-036 Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
103-44 / 13021439-036 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-45 / 13021439-037 Flooring	Red Non-Fibrous Homogeneous		100% Other	None Detected
103-45 / 13021439-037 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-46 / 13021439-038 Flooring	Red Non-Fibrous Homogeneous		100% Other	None Detected
103-46 / 13021439-038 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-47 / 13021439-039 Floor Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-47 / 13021439-039 Mastic	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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

SanAir ID Number
13021439
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: IHRO130196.00
P.O. Number:
Project Name: Western State Hospital

Collected Date: 9/11/2013
Received Date: 9/12/2013 10:00:00 AM
Report Date: 9/13/2013 12:42:34 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-48 / 13021439-040 Floor Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
103-48 / 13021439-040 Mastic	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-49 / 13021439-041	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-50 / 13021439-042	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-51 / 13021439-043	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-52 / 13021439-044	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-53 / 13021439-045	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
13021439
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: IHRO130196.00
P.O. Number:
Project Name: Western State Hospital

Collected Date: 9/11/2013
Received Date: 9/12/2013 10:00:00 AM
Report Date: 9/13/2013 12:42:34 PM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-54 / 13021439-046	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-55 / 13021439-047	Grey Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-56 / 13021439-048	Grey Non-Fibrous Homogeneous		97% Other	3% Chrysotile

Certification

Signature: Susan P. Childress
Date: 9/13/2013

Reviewed: Sandra Sobrino
Date: 9/13/2013

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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

SanAir Technologies Laboratory

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Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number: 13021439

Company: The EI Group - Staunton	Project #: IHP0130196.00	Collected by:
Address:	Project Name: Western State Hospital	Phone #:
City, St., Zip:	Date Collected: 9-11-13	Fax #:
State of Collection: VA Account#:	P.O. Number:	Email:

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Water

ABHE	EPA 100.2	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix: ☐ **Other**: ☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ☑
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions: Email results to mhart@ei1.com

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
103-09						
↓						
103-56						

Relinquished by	Date	Time	Received by	Date	Time
	9-11-13	1700		SEP 12 2013	10:00 AM

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.

Page ___ of ___

SanAir Technologies Laboratory

Analysis Report

prepared for

EI Group, Inc Roanoke Office

Report Date: 9/19/2013
Project Name: Western State Hospital
Project #: IHR0130196
SanAir ID#: 13022167

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL MICROBIOLOGY

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

208 Walnut Hills Road • **Staunton**, VA 24401 • Tel: (540) 337-3740 • Fax: (540) 337-9075
Email: mhart @ei1.com • Online: www.ei1.com

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

EI Group, Inc Roanoke Office
15 Salem Ave SE
Suite 301
Roanoke, VA 24011

September 19, 2013

SanAir ID # 13022167
Project Name: Western State Hospital
Project Number: IHR0130196

Dear Stephen Clark,

We at SanAir would like to thank you for the work you recently submitted. The 2 sample(s) were received on Thursday, September 19, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 103-57, 103-58.

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

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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Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
13022167
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: IHR0130196
P.O. Number: Bldg 103
Project Name: Western State Hospital

Collected Date: 9/18/2013
Received Date: 9/19/2013 10:10:00 AM
Report Date: 9/19/2013 1:50:17 PM
Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-57 / 13022167-001	Grey Non-Fibrous Homogeneous	10% Min. Wool	90% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-58 / 13022167-002	Grey Fibrous Heterogeneous	50% Cellulose	20% Other	30% Chrysotile

Certification

Signature: Date: 9/19/2013

Reviewed: Sandra Sobrino Date: 9/19/2013

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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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www.sanair.com

Asbestos Chain of Custody

SanAir ID Number: 13022167

Company: EE Group, Inc.	Project #: IHR0130196	Collect by: Stephen Chalk
Address: 208 Walnut Hills Rd	Project Name: Western State Hospital	Phone #:
City, St., Zip: Staunton, VA	Date Collected: 9/18/2013	Fax #:
State of Collection: VA Account#:	P.O. Number: Bldg 103	Email:

Bulk

ABB	PLM EPA 600/R-93/116	X
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM 600/M4/82/020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Other

Matrix		
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) X	12 HR ☐	24 HR X
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions:

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
103-57			ABB			
103-58			↓			

Relinquished By	Date	Time	Received by	Date	Time
	9/18/2013	1700	KE	SEP 19 2013	1010am

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.

Page 1 of 1

SanAir Technologies Laboratory

Analysis Report

prepared for

EI Group, Inc Roanoke Office

Report Date: 9/20/2013
Project #: IHRO130196.00
SanAir ID#: 13022275

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL MICROBIOLOGY

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

*208 Walnut Hills Road • **Staunton**, VA 24401 • Tel: (540) 337-3740 • Fax: (540) 337-9075*
Email: mhart @ei1.com • Online: www.ei1.com

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

EI Group, Inc Roanoke Office
15 Salem Ave SE
Suite 301
Roanoke, VA 24011

September 20, 2013

SanAir ID # 13022275
Project Name:
Project Number: IHRO130196.00

Dear Melissa Hart,

We at SanAir would like to thank you for the work you recently submitted. The 1 sample(s) were received on Friday, September 20, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 103-16.

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

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
1 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
13022275
FINAL REPORT

Name: EI Group, Inc Roanoke Office
Address: 15 Salem Ave SE
Suite 301
Roanoke, VA 24011

Project Number: IHRO130196.00
P.O. Number:
Project Name:

Collected Date: 9/19/2013
Received Date: 9/20/2013 10:00:00 AM
Report Date: 9/20/2013 2:42:18 PM
Analyst: Vaughan, Nathaniel

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
103-16 / 13022275-001 Pipe Mastic On FG	White Non-Fibrous Homogeneous	30% Cellulose 10% Glass	60% Other	None Detected

Certification

Signature: Nathan Vaughan Reviewed: Sandra Sobrino

Date: 9/20/2013 Date: 9/20/2013

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 13022275

Company: EI Roanoke	Project #: I4R0130196 QC	Collect by: M. Hart
Address:	Project Name:	Phone #:
City, St., Zip:	Date Collected:	Fax #:
State of Collection: Account#:	P.O. Number:	Email: mhart@EI1.com

Bulk

ABB	PLM EPA 600/R-93/116	X
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM 600/M4/82/020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix	Other	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☒	12 HR ☐	24 HR ☐
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
103-16	White pipe mastic on	FG				

Relinquished by	Date	Time	Received by	Date	Time
	9/19/13			SEP 20 2013	10:00 AM

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.

Page ___of ____