



WESTERN STATE HOSPITAL HAZARDOUS MATERIALS SURVEY

LAB ANALYSIS BUILDING #116

SanAir Technologies Laboratory

Analysis Report

prepared for

El Group, Inc Roanoke Office

Report Date: 9/6/2013
Project Name: City Of Staunton
Project #: IHR0130196.00
SanAir ID#: 13020617



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

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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 6, 2013

SanAir ID # 13020617
Project Name: City Of Staunton
Project Number: IHR0130196.00

Dear Melissa Hart,

We at SanAir would like to thank you for the work you recently submitted. The 37 sample(s) were received on Thursday, September 05, 2013 via FedEx. The final report(s) is enclosed for the following sample(s): 116-1, 116-2, 116-3, 116-4, 116-5, 116-6, 116-7, 116-8, 116-9, 116-10, 116-11, 116-12, 116-13, 116-14, 116-15, 116-16, 116-17, 116-18, 116-19, 116-20, 116-21, 116-22, 116-23, 116-24, 116-25, 116-26, 116-27, 116-28, 116-29, 116-30, 116-31, 116-32, 116-33, 116-34, 116-35, 116-36, 116-37.

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:
37 sample(s) in Good condition



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SanAir ID Number

13020617

FINAL REPORT

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

Project Number: IHR0130196.00
P.O. Number:
Project Name: City Of Staunton

Collected Date: 9/3/2013
Received Date: 9/5/2013 10:15:00 AM
Report Date: 9/6/2013 9:20:24 AM
Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-1 / 13020617-001 Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
116-1 / 13020617-001 Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-2 / 13020617-002 Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
116-2 / 13020617-002 Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-3 / 13020617-003	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-4 / 13020617-004	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-5 / 13020617-005	White Fibrous Homogeneous	98% Cellulose	2% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components	Asbestos Fibers
			% Non-Fibrous	
116-6 / 13020617-006	White Fibrous Homogeneous	98% Cellulose	2% Other	None Detected

Certification

Signature:

Date: 9/5/2013

Reviewed:

Date: 9/6/2013

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-7 / 13020617-007	White Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-8 / 13020617-008	Grey Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-9 / 13020617-009	Black Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-10 / 13020617-010	Black Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-11 / 13020617-011	White Non-Fibrous Homogeneous	10%	Cellulose	90% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-12 / 13020617-012	White Non-Fibrous Homogeneous	10%	Cellulose	90% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
116-13 / 13020617-013	Black Fibrous Homogeneous	60%	Cellulose	40% Other	None Detected

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Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-14 / 13020617-014	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-15 / 13020617-015 Tread	Red Non-Fibrous Homogeneous		100% Other	None Detected
116-15 / 13020617-015 Adhesive	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-16 / 13020617-016 Tread	Red Non-Fibrous Homogeneous		100% Other	None Detected
116-16 / 13020617-016 Adhesive	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-17 / 13020617-017	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-18 / 13020617-018	Tan Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-19 / 13020617-019 Cove Base	Grey Non-Fibrous Homogeneous		100% Other	None Detected
116-19 / 13020617-019 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-20 / 13020617-020 Cove Base	Grey Non-Fibrous Homogeneous		100% Other	None Detected
116-20 / 13020617-020 Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-21 / 13020617-021	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-22 / 13020617-022	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-23 / 13020617-023	White Non-Fibrous Homogeneous		95% Other	5% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-24 / 13020617-024	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-25 / 13020617-025	Black Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected

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Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-26 / 13020617-026	Black Non-Fibrous Homogeneous	10% Cellulose	90% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-27 / 13020617-027	Black Non-Fibrous Homogeneous	10% Cellulose	90% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-28 / 13020617-028	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-29 / 13020617-029	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-30 / 13020617-030	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-31 / 13020617-031	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-32 / 13020617-032	Grey Non-Fibrous Homogeneous		100% Other	None Detected

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		% Fibrous	% Non-Fibrous	
116-33 / 13020617-033	Grey Non-Fibrous Homogeneous		100% Other	None Detected
SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-34 / 13020617-034	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected
SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-35 / 13020617-035	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected
SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-36 / 13020617-036	Brown Non-Fibrous Homogeneous		100% Other	None Detected
SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
116-37 / 13020617-037	Brown Non-Fibrous Homogeneous		100% Other	None Detected

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Date: 9/6/2013

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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

AMERISCI

CHAIN OF CUSTODY RECORD

AMERISCI RICHMOND
Job No.:

13020617

AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Phone: (804) 763-1200
Fax: (804) 763-1800
TOLL FREE: (800) 476-5227
www.amerisci.com

Environmental Investigations, P.A.		208 Walnut Hills Road Staunton, VA 24401		P.O.#:		SPECIAL INSTRUCTIONS:					
PROJECT INFORMATION		ANALYSIS TYPE		TURNAROUND TIME (X)				AIR FILTER INFORMATION:			
JOB NAME: <u>City of Staunton</u>		TEM/AHERA		6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER	MCE
JOB NO.: <u>City of Staunton</u>		TEM/LEVEL II									PC
JOB NO.: <u>IHR0130196.00</u>		TEM/7402									25 mm
JOB MANAGER: <u>Melissa Hart</u>		TEM/BULK									37 mm
JOB DESCRIPTION: <u>Western State Hospital Building 116</u>		TEM/DUST									0.45 um
		TEM/WATER									0.80 um
		PLM									OTHER:
		PCM									
		OTHER:									
RESULTS TO: <u>MELISSA HART</u>		INVOICE TO: <u>ENVIRONMENTAL</u>				Return Samples: Yes <u>No X</u>					
EMAIL RESULTS: <u>Y / N</u> <u>MHART@E1.COM</u>						PHONE: <u>(540) 337-3740</u>					
WRITTEN REPORT TO: <u>Melissa Hart</u>						FAX: <u>(540) 337-9075</u>					
COMMENTS:						SITE FAX:					
						PAGER/CELL: <u>540-448-5802</u>					
Lab ID	Sample ID	Sample Location	START TIME	STOP TIME	TOTAL TIME X	LITERS /MIN.	TOTAL VOLUME	DATE COLLECTED			
	<u>116-61</u>							<u>9/3/13</u>			
	<u>37</u>										
/											
SAMPLED BY: <u>Stephen Clark</u>			DATE/TIME: <u>9/3/2013</u>			RECEIVED BY:					
RELINQUISHED BY: <u>SC</u>			DATE/TIME: <u>9/4/2013 1700</u>			RECEIVED IN LAB BY:					

SEP 05 2013 10:15 AM