



November 9, 2023

Mr. Steve Aldrich
Director of Facilities and Grounds
Liberty Public Schools
Liberty, Missouri

AHERA Pre-Renovation Asbestos Sampling
Date Performed: **9/14/2023**
Location: **Franklin Elementary School**
Address: **201 W Mill Street, Liberty, Missouri 64068**
Area Description: **Summer 2024 Renovations**
Requested By: **Steve Aldrich**
Reason for Request: **Pre-Renovation Survey**
Performed By: **Glenn Robinson**
Certification #: **7011040623MOIR4804**

Dear Mr. Aldrich:

On September 14, 2023, Glenn Robinson of Axiom Service Professionals (ASP) conducted limited asbestos sampling from the subject site detailed above. Franklin Elementary School is of late 1930's construction. The sampling was conducted to determine the potential asbestos content of any suspect materials identified by the inspector, to be disturbed in areas of planned renovations. Mr. Robinson's certification is provided in Appendix A.

Asbestos samples were collected in accordance with Environmental Protection Agency's AHERA regulations (40 CFR Part 763, subpart E) and other applicable local, state, and federal asbestos guidelines and regulations. The samples were submitted to Asbestos Consulting and Testing for analysis. The lab is accredited by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) and the NVLAP Lab code number is 101649-0. The bulk samples were analyzed by polarized light microscopy (PLM) using EPA Method Reference 600/M4-82-020 and 600/R-93/116.

A material is considered to be an asbestos-containing material (ACM) if at least one sample collected from the suspect material as identified by a qualified laboratory indicates asbestos present in an amount greater than one percent (>1%), in accordance with the definition of ACM per the Environmental Protection Agency (EPA).

The sampling was performed on suspect materials that comprised of locations where renovations are anticipated. The suspect materials sampled during this pre-renovation inspection are listed in the table below. Laboratory results and the chain of custody can be found attached as Appendix B.

Sample #	Sample Description	Area Description	Approximate Quantity	Friability	% Asbestos
1	Grey 2'x 4' Ceiling Tile W/ Pinholes	Nurse's Station	N/A	Friable	NAD
2	White 12" Floor Tile W/ Yellow Adhesive	Nurse's Station	N/A	Non-Friable	NAD
3	Plaster	Office	N/A	Friable	NAD
4	Drywall & Joint Compound	Office	N/A	Non-Friable	NAD
5	Drywall & Joint Compound	Hall @Nurse's Station	N/A	Non-Friable	NAD
6	Plaster	Hall @Nurse's Station	N/A	Friable	NAD
7	Linoleum	Nurses Office Restroom	N/A	Non-Friable	NAD
8	Roof Felt	Nurses Office Restroom	N/A	Friable	NAD
9	Drywall & Joint Compound	Boys Restroom (East) @Office	N/A	Non-Friable	NAD

NAD - No Asbestos Detected

There was no asbestos containing materials (ACM) identified in the samples collected from areas of planned renovations.

In Classroom/Office 20 it should be assumed that below the existing whiteboard, the potential to find an original asbestos containing chalkboard (cementitious) is very probable. If the original chalkboards are encountered, then assume them to be asbestos containing until tested or proven otherwise.

If demolition extends or is required into bathroom, kitchens, or areas where plumbing may be encountered such as "wet walls" or "plumbing chases", assume all insulating materials either fittings or pipe insulations are asbestos containing materials until tested by an accredited Missouri Asbestos Inspector.

Axiom Service Professionals appreciates the opportunity to serve you. If you have any questions, please feel free to call or email.

Sincerely,



Glenn Robinson

Senior Project Manager

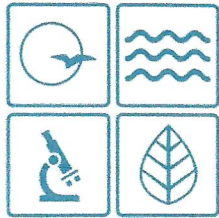
913-579-2657

glennr@axiomservicepros.com

Limitations of Inspection

Axiom Service Professionals collected samples of suspected asbestos materials in planned renovation areas only. Other suspect materials within the facility were not sampled and should be presumed to be asbestos containing until sampling proves otherwise.

Appendix A Certification



MISSOURI DEPARTMENT OF NATURAL RESOURCES

Michael L. Parson
Governor

April 25, 2023

Glenn S Robinson
9065 Waverly Rd
DeSoto, KS 66018

CERTIFICATION NUMBER:
7011040623MOIR4804

THIS CERTIFIES
Glenn S Robinson
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector



APPROVED: **04/25/2023**

EXPIRES: **04/25/2024**

TRAINING DATE: **04/06/2023**


Director of Air Pollution Control Program

RE: Missouri Asbestos Occupation Certification Card

Enclosed is your certification card for Asbestos Project Designer, as issued by the Asbestos Unit of the Missouri Department of Natural Resources' Air Pollution Control Program.

Missouri Certification Number: 7011020823MOPDR4804

Course Training Date: February 08, 2023

Missouri Certification Approval Date: April 25, 2023

Missouri Certification Expiration Date: February 08, 2024

Note:

- All Missouri-certified asbestos personnel must comply with the following statutes and regulations:
 - Sections 643.225 to 643.250, RSMo;
 - 10 CSR 10-6.241 *Asbestos Projects-Registration, Abatement, Notification, Inspection, Demolition, and Performance Requirements; and*
 - 10 CSR 10-6.250 *Asbestos Projects-Certification, Accreditation and Business Exemption Requirements.*
- To keep your occupation certification up-to-date, you must complete an annual refresher course and submit a renewal application each year.
- In order to be eligible to renew your certification, you must successfully complete a refresher course with a Missouri-accredited training provider within 12 months of the expiration date of your current training certificate. If you exceed this grace period, you will be required to retake a Missouri-accredited initial course in order to be eligible for Missouri certification.

To obtain a copy of the certification renewal application, or review regulations and requirements, please visit our website at <http://dnr.mo.gov/env/apcp/asbestos/index.htm>.

If you have any questions please call the Air Pollution Control Program at 573-751-4817.

AIR POLLUTION CONTROL PROGRAM



Director of Air Pollution Control Program



Appendix B
Laboratory Analytical Report



The Identification Specialists

Analysis Report
prepared for
Axiom Service Professionals, LLC

Report Date: 10/18/2023

Project Name: Franklin Elementary

Project #: L.S.D.

SanAir ID#: 23056087



NVLAP LAB CODE 200870-0

10501 Trade Court | North Chesterfield, Virginia 23236
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number
23056087
FINAL REPORT
10/18/2023 1:40:11 PM

Name: Axiom Service Professionals, LLC
Address: PO Box 47166
Kansas City, MO 64188
Phone: 816-678-7894

Project Number: L.S.D.
P.O. Number:
Project Name: Franklin Elementary
Collected Date: 9/14/2023
Received Date: 10/9/2023 1:14:00 PM

Dear Glenn Robinson,

We at SanAir would like to thank you for the work you recently submitted. The 9 sample(s) were received on Monday, October 09, 2023 via UPS. The final report(s) is enclosed for the following sample(s): 1, 2, 3, 4, 5, 6, 7, 8, 9.

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,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 9 samples in Good condition.



SanAir ID Number
23056087
FINAL REPORT
10/18/2023 1:40:11 PM

Name: Axiom Service Professionals, LLC
Address: PO Box 47166
Kansas City, MO 64188
Phone: 816-678-7894

Project Number: L.S.D.
P.O. Number:
Project Name: Franklin Elementary
Collected Date: 9/14/2023
Received Date: 10/9/2023 1:14:00 PM

Analyst: Jones, Virginia

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
1 / 23056087-001 Nurses Station/2'x4' Ceiling Tile W/ Pinholes	Grey Fibrous Heterogeneous	65% Glass 25% Cellulose	10% Other	None Detected
2 / 23056087-002 Nurses Station/12" Floor Tile W/ Adh., Floor Tile	White Non-Fibrous Homogeneous		100% Other	None Detected
2 / 23056087-002 Nurses Station/12" Floor Tile W/ Adh., Mastic	Yellow Fibrous Homogeneous		100% Other	None Detected
3 / 23056087-003 Office/Plaster & Skim Coat, Plaster	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
3 / 23056087-003 Office/Plaster & Skim Coat, Skim Coat	White Non-Fibrous Heterogeneous		100% Other	None Detected
4 / 23056087-004 Office/Drywall & Joint Compound, Drywall	White Fibrous Heterogeneous	10% Cellulose	90% Other	None Detected
4 / 23056087-004 Office/Drywall & Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
5 / 23056087-005 Hall @ Nurses Station/Drywall & Joint Compound, Drywall	White Fibrous Heterogeneous	10% Cellulose	90% Other	None Detected
5 / 23056087-005 Hall @ Nurses Station/Drywall & Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
6 / 23056087-006 Hall @ Nurses Station/Plaster & Skim Coat, Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Virginia Jones*

Approved Signatory: *[Signature]*

Analysis Date: 10/18/2023

Date: 10/18/2023



SanAir ID Number
23056087
FINAL REPORT
10/18/2023 1:40:11 PM

Name: Axiom Service Professionals, LLC
Address: PO Box 47166
Kansas City, MO 64188
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Project Number: L.S.D.
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Project Name: Franklin Elementary
Collected Date: 9/14/2023
Received Date: 10/9/2023 1:14:00 PM

Analyst: Jones, Virginia

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
6 / 23056087-006 Hall @ Nurses Station/Plaster & Skim Coat, Skim Coat	White Non-Fibrous Heterogeneous		100% Other	None Detected
7 / 23056087-007 Nurses Office Restroom/Linoleum	White Non-Fibrous Homogeneous		100% Other	None Detected
8 / 23056087-008 Hall @ Nurses Station/Roof Felt	Black Fibrous Heterogeneous	40% Cellulose 10% Synthetic	50% Other	None Detected
9 / 23056087-009 Boys Restroom (East) @ Office/Drywall & Joint Compound, Drywall	White Non-Fibrous Heterogeneous	10% Cellulose	90% Other	None Detected
9 / 23056087-009 Boys Restroom (East) @ Office/Drywall & Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Virginia Jones*

Approved Signatory: *[Signature]*

Analysis Date: 10/18/2023

Date: 10/18/2023

Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. This report and any information contained within shall not be edited, altered, or modified in any way by any persons or agencies receiving, viewing, distributing, or otherwise possessing a copy of this final report. The laboratory reserves the right to perform amendments to any finalized report, of which shall supersede and make obsolete any previous editions. Such changes, modifications, additions, or deletions shall be effective immediately upon notice thereof, which may be given by means including but not limited to posting on the SanAir client portal website, electronic or conventional mail, or by any other means. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client on the COC. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute nor shall not be used by the client to claim product, process, system, or person certification, approval, or endorsement by NVLAP, NIST, NELAC, AIHA LAP, LLC or any other U.S. governmental agencies and may not be accredited by every local, state, and federal regulatory agencies. Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

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.

Asbestos Accreditations

National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200870-0
City of Philadelphia Department of Public Health Air Management Services, Certification#ALL-460
Commonwealth of Pennsylvania Department of Environmental Protection Number 68-05397
California State Environmental Laboratory Accreditation Program Certificate Number 2915
Colorado Department of Public Health and Environment Registration Number AL-23143
Connecticut Department of Public Health Environmental Laboratory Registration Number PH-0105
Massachusetts Department of Labor Standards Asbestos Analytical Services License Number: AA000222
State of Maine Department of Environmental Protection License Number: LB-0075, LA-0084
New York State Department of Health Laboratory ID: 11983
State of Rhode Island Department of Health Certification No.: PCM00126, PLM00126, TEM00126
Texas Department of State Health Services License Number: 300440
Commonwealth of Virginia Department of Professional and Occupational Regulation Number: 3333000323
State of Washington Department of Ecology Laboratory ID: C989
State of West Virginia Bureau for Public Health Analytical Laboratory Number: LT000616
Vermont Department of Health License Number: Asb-Co-An-000006
Louisiana Department of Environmental Quality AI Number 212253, Certificate #05088



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sanair.com

Asbestos
Chain of Custody
Form 140, Rev 7, 10/20/2022

SanAir ID Number

23056087

Company: AXIOM SERVICE PROFESSIONALS	Project #: L. S. D.	Collected by: GLENN ROBINSON
Address: P.O. BOX 47166	Project Name: FRANKLIN ELEMENTARY	Phone #: 913 579 2657
City, St., Zip: KANSAS CITY, MO 64188	Date Collected: 9/14/23	Fax #:
State of Collection: MO Account#:	P.O. Number:	Email: GLENNR@AXIOMSERVICE.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"/>	Vermiculite		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABB	PLM EPA 600/R-93/116	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABEPA3	PLM EPA 400 Point Count	<input type="checkbox"/>
ABBN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABCM	Cincinnati Method	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	Dust		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	New York ELAP			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<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"/>			
			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			
			Positive Stop			<input type="checkbox"/>	Matrix	Other
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Water	
ABHE	EPA 100.2 <input type="checkbox"/>

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	1 Day <input 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*
1	NURSES STATION / 2'x4' CEILING TILE W/ PIN HOLES		9/14/23		
2	NURSES STATION / 12" FLOOR TILE WHITE W/ BLUE & BROWN / YELL ADH.				
3	OFFICE / PLASTER & SKIM COAT				
4	OFFICE / DRYWALL & JOINT COMPOUND				
5	HALL @ NURSES STATION / DRYWALL & JOINT COMPOUND				
6	HALL @ NURSES STATION / PLASTER & SKIM COAT				
7	NURSES OFFICE RESTROOM / WHITE LINOLEUM		9/14/23		

Relinquished by	Date	Time	Received by	Date	Time
<i>Glenn Robinson</i>			<i>EDR</i>	10/9/23	10:40 a.m.

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 will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Form 140, Revision 1, 1/20/2017

[illegible]

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
			EDR	10/9/33	10:40 a.m.

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 will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Ground and Next Day Air shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges. Page of 22 of 8