



ENVIRONMENTAL & DEMOLITION CONTRACTORS

P.O. Box 105287, Jefferson City, MO 65110-5287
 573.896.0222 ■ www.arsi-mo.com

Service-Disabled Veteran Enterprise (SDVE)

March 21, 2023

Lincoln University
 Attn: Julie Kempker
 820 Chestnut Street, 309 Young Hall
 Jefferson City, MO 65101

RE: Pre-Renovation Survey Asbestos Inspection, Dawson Hall, Lincoln University, 711 Lee Drive, Jefferson City, MO. ARSI Job # 2357-2

Julie:

At your request, on 03/14/23 & 03/16/23, ARSI conducted a Pre-Renovation Survey of Dawson Hall, which is a Residence Hall located within Lincoln University in Jefferson City, MO, which is scheduled for renovation. This inspection was performed to comply with the EPA and MDNR NESHAP regulations, which require a "thorough" asbestos inspection prior to renovation or demolition, conducted by accredited inspector. William Allen, MDNR Asbestos Inspector #7118030822MOIR11067 & Robert Anderson, MDNR Asbestos Inspector #7118051222MOIR1531 performed the inspection.

Sixty-seven (67) bulk samples (which were separated into ninety-eight (98) distinct components) of suspected ACM were collected. All the samples were sent to SanAir Technologies Laboratory, Powhatan, Virginia, an independent NVLAP-accredited laboratory, for analysis by polarized light microscopy.

Additionally, sample #415, #420 & #421, Mastic Seam Sealant on DW & Hydronic Piping tested 2% as analyzed by PLM. We therefore directed the laboratory to perform an additional, more accurate and conclusive test on these samples, namely, a Point Count Analysis. The results of this test indicated that all the samples contained 1.9%, 2.4%, & 2.8% asbestos, which is above the threshold/definition of greater than 1%. Therefore, these materials are asbestos-containing materials.

Fourteen (14) sample tested positive for asbestos, namely:

	Sample No.	Description	Category	Condition	Quantities
1	375	Off-White 12" x 12" floor tile Typical in 10 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	3,800ft ²
2	375	Black Mastic beneath floor tile Typical in 10 th floor Resident & Janitors Rooms			
3	381	Beige 12" x 12" floor tile Typical in 9 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	3,800ft ²
4	381	Black Mastic beneath floor tile Typical in 9 th floor Resident & Janitors Rooms			
5	384	Black Mastic beneath floor tile Typical in 9 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	3,800ft ²
6	389	Beige 12" x 12" floor tile Typical in 8 th floor Resident & Janitors Rooms			
7	389	Black Mastic beneath floor tile Typical in 8 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	3,800ft ²
8	406	Beige 12" x 12" floor tile Typical in 5 th floor Resident & Janitors Rooms			
9	406	Black Mastic beneath floor tile Typical in 5 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	3,800ft ²
10	410	Beige 12" x 12" floor tile - Typical in 2 nd , 3 rd , & 4 th floor Resident & Janitors Rooms			
11	410	Black Mastic beneath floor tile Typical in 2 nd , 3 rd , & 4 th floor Resident & Janitors Rooms	Category I Non-Friable	Good	11,400ft ²

12	415	White Seam Sealant Mastic Typical on DW & Hydronic Piping fittings, seams & risers throughout the building			
13	420	White Seam Sealant Mastic Typical on DW & Hydronic Piping fittings, seams & risers throughout the building			
14	421	White Seam Sealant Mastic Typical on DW & Hydronic Piping fittings, seams & risers throughout the building	Category I Non-Friable	Good	TBD
15	Assumed	Fire Doors – Typical in Corridors, Stairwells, Mech Rooms etc..	Category I Non-Friable	Good	70ea

All the other samples tested either negative for asbestos, or less than 1% asbestos, which is below the EPA/DNR regulatory threshold/definition of an asbestos-containing material.

CLARIFICATIONS & LIMITATION OF INSPECTION

This inspection covered only those areas in the building that were exposed and /or physically accessible to the inspectors. Although reasonable effort was made to survey accessible suspect materials, additional suspect but not-sampled materials could be in walls, in voids, or other concealed areas. This was a non-destructive inspection.

Below is a list of items not tested by this inspection:

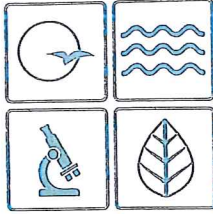
- Electrical wiring insulation
- Waterproofing materials
- Roofing Materials
- Lead-Based Paint
- Fluorescent Light Bulbs
- PCB Ballast
- Any other hazardous materials

Enclosed with this document are copies of the laboratory analysis report, chain of custody letter, site work sheets, photographs of portions of the asbestos-containing materials identified by the inspection, and MDNR certification of inspectors performing the inspection. Additional information regarding DNR and EPA asbestos regulations can be found at the following website: www.dnr.mo.gov/pubs/pub2157.htm. Thank you for the opportunity of serving you in this capacity. Don't hesitate to call if you have any questions.

Sincerely,

ARSI, Inc.


William Allen (Rusty)
Operations Manager



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

March 18, 2022

William R Allen
3704 Christian Ridge
Jefferson City, MO 65101

CERTIFICATION NUMBER:
7118030822MOIR11067

THIS CERTIFIES
William R Allen
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector



APPROVED: **03/21/2022**

TRAINING DATE: **03/08/2022**

EXPIRES: **03/21/2023**


Director of Air Pollution Control Program

RE: **Missouri Asbestos Occupation Certification Card**

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

Missouri Certification Number: 7118030822MOIR11067
Course Training Date: March 08, 2022
Missouri Certification Approval Date: March 21, 2022
Missouri Certification Expiration Date: March 21, 2023

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>.

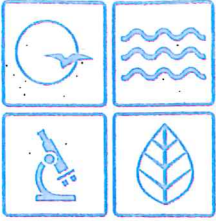
If you have any questions please call the Air Pollution Control Program at 573-751-4817.

AIR POLLUTION CONTROL PROGRAM



Director of Air Pollution Control Program





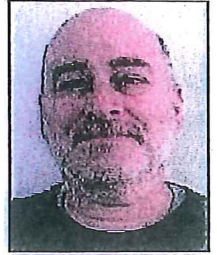
**MISSOURI
DEPARTMENT OF
NATURAL RESOURCES**

Michael L. Parson
Governor

Dru Buntin
Director

CERTIFICATION NUMBER:
7118051222MOIR1531

THIS CERTIFIES
Robert A Anderson
HAS COMPLETED THE CERTIFICATION
REQUIREMENTS FOR
Inspector



June 1, 2022

Robert A Anderson
711 W Chestnut
Fulton, MO 65251

APPROVED: **06/01/2022**

TRAINING DATE: **05/12/2022**

EXPIRES: **06/01/2023**


Director of Air Pollution Control Program

RE: **Missouri Asbestos Occupation Certification Card**

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

Missouri Certification Number: 7118051222MOIR1531
Course Training Date: May 12, 2022
Missouri Certification Approval Date: June 01, 2022
Missouri Certification Expiration Date: June 01, 2023

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

PO Box 176, Jefferson City, MO 65102-0176 • dnr.mo.gov





The Identification Specialists

Analysis Report
prepared for
ARSI, Inc.

Report Date: 3/16/2023

Project Name: Lincoln University, Dawson Hall (4th-10th Floor)

Project #: 2357-1

SanAir ID#: 23014974



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
23014974
FINAL REPORT
3/16/2023 12:37:13 PM

Name: ARSI, Inc.
Address: PO Box 105287
Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (4th-10th Floor)
Collected Date: 3/14/2023
Received Date: 3/15/2023 10:05:00 AM

Dear Bob Anderson,

We at SanAir would like to thank you for the work you recently submitted. The 39 sample(s) were received on Wednesday, March 15, 2023 via UPS. The final report(s) is enclosed for the following sample(s): 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410.

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:
- 39 samples in Good condition.



SanAir ID Number
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 3/16/2023 12:37:13 PM

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Address: PO Box 105287
 Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (4th-10th Floor)
Collected Date: 3/14/2023
Received Date: 3/15/2023 10:05:00 AM

Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
372 / 23014974-001 Ceiling Texture (10th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
373 / 23014974-002 2x2 Ceiling Tile (10th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other	None Detected
374 / 23014974-003 12x12 Floor Tile (10th Floor, Lobby & Corridors), Floor Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
374 / 23014974-003 12x12 Floor Tile (10th Floor, Lobby & Corridors), Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
375 / 23014974-004 12x12 Floor Tile (10th Floor, Dorm Rooms), Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
375 / 23014974-004 12x12 Floor Tile (10th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile
376 / 23014974-005 Cove Base (10th Floor, Typical), Cove Base	Grey Non-Fibrous Homogeneous		100% Other	None Detected
376 / 23014974-005 Cove Base (10th Floor, Typical), Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected
377 / 23014974-006 Insulation (10th Floor Pipes In Chase), Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Other	None Detected
377 / 23014974-006 Insulation (10th Floor Pipes In Chase), Mastic	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress* Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/16/2023

Date: 3/16/2023



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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
378 / 23014974-007 12x12 Floor Tile (9th Floor, Lobby And Corridors), Floor Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
378 / 23014974-007 12x12 Floor Tile (9th Floor, Lobby And Corridors), Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
379 / 23014974-008 Ceiling Texture (9th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
380 / 23014974-009 2x2 Ceiling Tile (9th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other	None Detected
381 / 23014974-010 12x12 Floor Tile (9th Floor, Dorm Rooms), Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
381 / 23014974-010 12x12 Floor Tile (9th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile
382 / 23014974-011 Ceiling Texture (9th Floor, Dorm Rooms)	White Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
383 / 23014974-012 Cove Base (9th Floor), Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
383 / 23014974-012 Cove Base (9th Floor), Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
384 / 23014974-013 Mastic (9th Floor Closet)	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-fibrous	
385 / 23014974-014 Insulation (9th Floor, On Pipes In Chase), Insulation	Gold Fibrous Homogeneous	98% Glass	2% Other	None Detected
385 / 23014974-014 Insulation (9th Floor, On Pipes In Chase), Tape	Beige Fibrous Homogeneous	75% Cellulose 5% Glass	20% Other	None Detected
386 / 23014974-015 Drywall And Joint Compound (9th Floor), Composite	Various Non-Fibrous Heterogeneous	< 1% Cellulose	100% Other	< 1% Chrysotile
387 / 23014974-016 Ceiling Texture (8th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
388 / 23014974-017 2x2 Ceiling Tile (8th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other	None Detected
389 / 23014974-018 12x12 Floor Tile (8th Floor, Dorm Rooms), Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
389 / 23014974-018 12x12 Floor Tile (8th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile
390 / 23014974-019 12x12 Floor Tile (8th Floor, Lobby & Corridors), Floor Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
390 / 23014974-019 12x12 Floor Tile (8th Floor, Lobby & Corridors), Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
391 / 23014974-020 Window Caulk (8th Floor, Exterior)	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/16/2023

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
392 / 23014974-021 12x12 Floor Tile (7th Floor, Lobby & Corridors), Floor Tile	White Non-Fibrous Homogeneous		100% Other		None Detected
392 / 23014974-021 12x12 Floor Tile (7th Floor, Lobby & Corridors), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected
393 / 23014974-022 Ceiling Texture (7th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose	20% Other		None Detected
394 / 23014974-023 2x2 Ceiling Tiles (7th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other		None Detected
395 / 23014974-024 Cove Base (7th Floor), Cove Base	Black Non-Fibrous Homogeneous		100% Other		None Detected
395 / 23014974-024 Cove Base (7th Floor), Mastic	White Non-Fibrous Homogeneous		100% Other		None Detected
396 / 23014974-025 12x12 Floor Tile (7th Floor, Dorm Rooms), Floor Tile	Various Non-Fibrous Homogeneous		100% Other		None Detected
396 / 23014974-025 12x12 Floor Tile (7th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected
397 / 23014974-026 Ceiling Texture (6th Floor, Typical)	Various Fibrous Homogeneous	80% Cellulose	20% Other		None Detected
398 / 23014974-027 2x2 Ceiling Tile (6th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other		None Detected

Analyst: *Susan P. Childress* Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/16/2023

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components		Asbestos Fibers
	Appearance	% Fibrous / % Non-fibrous	
399 / 23014974-028 12x12 Floor Tile (6th Floor, Interior), Floor Tile	Off-White Non-Fibrous Homogeneous	100% Other	None Detected
399 / 23014974-028 12x12 Floor Tile (6th Floor, Interior), Mastic	Black Non-Fibrous Homogeneous	100% Other	None Detected
400 / 23014974-029 Cove Base (6th Floor), Cove Base	Black Non-Fibrous Homogeneous	100% Other	None Detected
400 / 23014974-029 Cove Base (6th Floor), Mastic	White Non-Fibrous Homogeneous	100% Other	None Detected
401 / 23014974-030 Window Caulk (6th Floor, Interior)	Grey Non-Fibrous Homogeneous	100% Other	None Detected
402 / 23014974-031 Ceiling Texture (5th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose 20% Other	None Detected
403 / 23014974-032 2x2 Ceiling Tile (5th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass 35% Other	None Detected
404 / 23014974-033 12x12 Floor Tile (5th Floor, Lobby & Corridors), Floor Tile	Off-White Non-Fibrous Homogeneous	100% Other	None Detected
404 / 23014974-033 12x12 Floor Tile (5th Floor, Lobby & Corridors), Mastic	Black Non-Fibrous Homogeneous	100% Other	None Detected
405 / 23014974-034 12x12 Floor Tile (5th Floor, Lounge), Floor Tile	Blue Non-Fibrous Homogeneous	100% Other	None Detected

Analyst: *Susan P. Childress*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/16/2023

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
405 / 23014974-034 12x12 Floor Tile (5th Floor, Lounge), Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
406 / 23014974-035 12x12 Floor Tile (5th Floor, Dorm Rooms), Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
406 / 23014974-035 12x12 Floor Tile (5th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile
407 / 23014974-036 Ceiling Texture (4th Floor, Typical)	White Fibrous Homogeneous	80% Cellulose	20% Other	None Detected
408 / 23014974-037 2x2 Ceiling Tile (4th Floor, Typical)	White Fibrous Homogeneous	45% Cellulose 20% Glass	35% Other	None Detected
409 / 23014974-038 12x12 Floor Tile (4th Floor, Lobby & Corridors), Floor Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
409 / 23014974-038 12x12 Floor Tile (4th Floor, Lobby & Corridors), Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
410 / 23014974-039 12x12 Floor Tile (4th Floor, Dorm Rooms), Floor Tile	Beige Non-Fibrous Homogeneous		97% Other	3% Chrysotile
410 / 23014974-039 12x12 Floor Tile (4th Floor, Dorm Rooms), Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile

Analyst: *Susan P. Childress* Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/16/2023

Date: 3/16/2023

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. 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. 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 and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



1551 Oakbridge Dr. STE B
 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

**Asbestos
 Chain of Custody**
 Form 140, Rev 3, 8/28/19

SanAir ID Number
 23014974

Company: ARSI, Inc.	Project #: 2357-1	Collected by: Bob Anderson BA
Address: PO Box 105287	Project Name: Lincoln University, Dawson Hall (4th-10th floors)	Phone #: 573-896-0222
City, St., Zip: Jefferson City, MO 65110	Date Collected: 03/14/2023	Fax #: 573-896-9389
State of Collection: Missouri Account#: 3617	P.O. Number: 117	Email: bobanderson@arsi-mo.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 & Soil		
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"/>
ABBEN	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"/>	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"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix Other		
Water			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>
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 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*
372	Ceiling Texture (10th floor, typical)				
373	2x2 Ceiling Tile (10th floor, typical)				
374	12x12 Floor Tile (10th floor, lobby & corridors)				
375	12x12 Floor Tile (10th floor, dorm rooms)				
376	Cove Base (10th floor, typical)				
377	Insulation (10th floor, pipes in chase)				
378	12x12 Floor Tile (9th floor, lobby and corridors)				
379	Ceiling Texture (9th floor, typical)				
380	2x2 Ceiling Tile (9th floor, typical)				
381	12x12 Floor Tile (9th floor, dorm rooms)				
382	Ceiling Texture (9th floor, dorm rooms)				
383	Cove Base (9th floor)				

Relinquished by	Date	Time	Received by	Date	Time
BA Bob Anderson	03/14/2023	14:00	IRM	3/15/23	10:05am

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 Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

23014974

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*
384	Mastic (9th floor closet)				
385	Insulation (9th floor, on pipes in chase)				
386	Drywall and Joint Compound (9th floor)				
387	Ceiling Texture (8th floor, typical)				
388	2x2 Ceiling Tile (8th floor, typical)				
389	12x12 Floor Tile (8th floor, dorm rooms)				
390	12x12 Floor Tile (8th floor, lobby & corridors)				
391	Window Caulk (8th floor, exterior)				
392	12x12 Floor Tile (7th floor, lobby & corridors)				
393	Ceiling Texture (7th floor, typical)				
394	2x2 Ceiling Tiles (7th floor, typical)				
395	Cove Base (7th floor)				
396	12x12 Floor Tile (7th floor, dorm rooms)				
397	Ceiling Texture (6th floor, typical)				
398	2x2 Ceiling Tile (6th floor, typical)				
399	12x12 Floor Tile (6th floor, lobby & corridors)				
400	Cove Base (6th floor)				
401	Window Caulk (6th floor, interior)				
402	Ceiling Texture (5th floor, typical)				
403	2x2 Ceiling Tile (5th floor, typical)				
404	12x12 Floor Tile (5th floor, lobby & corridors)				
405	12x12 Floor Tile (5th floor, lounge)				
406	12x12 Floor Tile (5th floor, dorm rooms)				
407	Ceiling Texture (4th floor, typical)				
408	2x2 Ceiling Tile (4th floor, typical)				
409	12x12 Floor Tile (4th floor, lobby & corridors)				
410	12x12 Floor Tile (4th floor, dorm rooms)				

Special Instructions	Please do a composite sample on sample #386.
-----------------------------	--

Relinquished by	Date	Time	Received by	Date	Time
BA Bob Anderson	03/14/2023	14:00	IRM	3/15/23	10:05am

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 Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
ARSI, Inc.

Report Date: 3/16/2023

Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)

Project #: 2357-1

SanAir ID#: 23014972



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
23014972
FINAL REPORT
3/16/2023 10:35:11 AM

Name: ARSI, Inc.
Address: PO Box 105287
Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)
Collected Date: 3/14/2023
Received Date: 3/15/2023 10:05:00 AM

Dear Bob Anderson,

We at SanAir would like to thank you for the work you recently submitted. The 11 sample(s) were received on Wednesday, March 15, 2023 via UPS. The final report(s) is enclosed for the following sample(s): 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421.

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:

- 11 samples in Good condition.



SanAir ID Number
23014972
 FINAL REPORT
 3/16/2023 10:35:11 AM

Name: ARSI, Inc.
Address: PO Box 105287
 Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)
Collected Date: 3/14/2023
Received Date: 3/15/2023 10:05:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components		Asbestos Fibers
	Appearance	% Fibrous	
411 / 23014972-001 Ceiling Texture (3rd Floor, Typical)	White Fibrous Homogeneous	90% Cellulose	10% Other None Detected
412 / 23014972-002 2x2 Ceiling Tile (3rd Floor, Typical)	White Fibrous Homogeneous	40% Cellulose 30% Glass	30% Other None Detected
413 / 23014972-003 12x12 Floor Tile (3rd Floor, Lobby And Corridors), Floor Tile	Grey Non-Fibrous Homogeneous		100% Other None Detected
413 / 23014972-003 12x12 Floor Tile (3rd Floor, Lobby And Corridors), Mastic	Black Non-Fibrous Homogeneous		100% Other None Detected
414 / 23014972-004 Window Caulk (Exterior)	Grey Non-Fibrous Homogeneous		100% Other None Detected
415 / 23014972-005 Mud Fitting (On Hanger In Chase, 3rd Floor)	White Non-Fibrous Homogeneous		98% Other 2% Chrysotile
416 / 23014972-006 Ceiling Texture (2nd Floor, Typical)	White Fibrous Homogeneous	90% Cellulose	10% Other None Detected
417 / 23014972-007 2x2 Ceiling Tile (2nd Floor, Typical)	White Fibrous Homogeneous	40% Cellulose 30% Glass	30% Other None Detected
418 / 23014972-008 12x12 Floor Tile (2nd Floor, Lobby, & Corridors), Floor Tile	Grey Non-Fibrous Homogeneous		100% Other None Detected
418 / 23014972-008 12x12 Floor Tile (2nd Floor, Lobby, & Corridors), Mastic	Various Non-Fibrous Heterogeneous		100% Other None Detected

Analyst:

Approved Signatory:

Analysis Date: 3/16/2023

Date: 3/16/2023



SanAir ID Number
23014972
 FINAL REPORT
 3/16/2023 10:35:11 AM

Name: ARSI, Inc.
Address: PO Box 105287
 Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)
Collected Date: 3/14/2023
Received Date: 3/15/2023 10:05:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
419 / 23014972-009 12x12 Floor Tile (2nd Floor, Closet), Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
419 / 23014972-009 12x12 Floor Tile (2nd Floor, Closet), Mastic	Black Non-Fibrous Homogeneous		100% Other	< 1% Chrysotile
420 / 23014972-010 Mud Fitting (On Hanger, 2nd Floor Chase)	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile
421 / 23014972-011 Mud Fitting (On Hanger, 2nd Floor Chase)	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile

Analyst:

Approved Signatory:

Analysis Date: 3/16/2023

Date: 3/16/2023

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. 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. 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 and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



1551 Oakbridge Dr. STE B
 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
Chain of Custody
 Form 140, Rev 3, 8/28/19

SanAir ID Number
 23014972

Company: ARSI, Inc.	Project #: 2357-1	Collected by: Bob Anderson BA
Address: PO Box 105287	Project Name: Lincoln University, Dawson Hall(2nd-3rd floors)	Phone #: 573-896-0222
City, St., Zip: Jefferson City, MO 65110	Date Collected: 03/14/2023	Fax #: 573-896-9389
State of Collection: Missouri Account#: 3617	P.O. Number: 117	Email: bobanderson@arsi-mo.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 & Soil		
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"/>
ABBEN	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"/>	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"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix Other		
Water			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>
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 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*
411	Ceiling Texture (3rd floor, typical)				
412	2x2 Ceiling Tile (3rd floor, typical)				
413	12x12 Floor Tile (3rd floor, lobby and corridors)				
414	Window Caulk (exterior)				
415	Mud Fitting (on hanger in chase, 3rd floor)				
416	Ceiling Texture (2nd floor, typical)				
417	2x2 Ceiling Tile (2nd floor, typical)				
418	12x12 Floor Tile (2nd floor, lobby & corridors)				
419	12x12 Floor Tile (2nd floor, closet)				
420	Mud Fitting (on hanger, 2nd floor chase)				
421	Mud Fitting (on hanger, 2nd floor chase)				

Relinquished by	Date	Time	Received by	Date	Time
BA Bob Anderson	03/14/2023	15:00	IKM	3/15/23	10:05am

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 Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
ARSI, Inc.

Report Date: 3/17/2023

Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)

Project #: 2357-1

SanAir ID#: 23015235



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

23015235

FINAL REPORT

3/17/2023 12:07:05 PM

Name: ARSI, Inc.
Address: PO Box 105287
Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)
Collected Date: 3/14/2023
Received Date: 3/16/2023 11:45:00 AM

Dear Bob Anderson,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Thursday, March 16, 2023 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 415, 420, 421.

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:

- 3 samples in Good condition.



SanAir ID Number
23015235
 FINAL REPORT
 3/17/2023 12:07:05 PM

Name: ARSI, Inc.
Address: PO Box 105287
 Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (2nd-3rd Floors)
Collected Date: 3/14/2023
Received Date: 3/16/2023 11:45:00 AM

Analyst: Sobrino, Sandra

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

SanAir ID / Description	Appearance	% Fibrous	% Non Fibrous	Asbestos Types	% Total Asbestos
23015235-001 / 415 Mud Fitting (on Hanger in Chase, 3rd Floor), Mastic Cover	White Non-Fibrous Homogeneous		98.1 %	Chrysotile	1.9 %
23015235-002 / 420 Mud Fitting (on Hanger, 2nd Floor Chase), cover	White Non-Fibrous Homogeneous		97.6 %	Chrysotile	2.4 %
23015235-003 / 421 Mud Fitting (on Hanger, 2nd Floor Chase)	White Non-Fibrous Homogeneous		97.2 %	Chrysotile	2.8 %

EPA 400 Point Count with Gravimetric Reduction.

Analyst: *Sandra Sobrino*

Approved Signatory: *[Signature]*

Analysis Date: 3/17/2023

Date: 3/17/2023

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, AIHA or any other agency of the U.S. government; *and may not be certified by every local, state and federal regulatory agencies.*

23015235

Fw: Analysis Report for Project Number 2357-1 is complete.

IAQ Forward <iaq@sanair.com>

Thu 3/16/2023 11:45 AM

To: AsbestosVA <AsbestosVA@sanair.com>;AsbestosOH <AsbestosOH@sanair.com>;Login <Login@sanair.com>

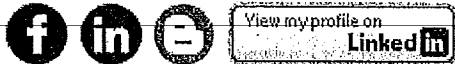
Respectfully,

Jamiel Dannouf
Customer Service Representative
SanAir Technologies Laboratory, Inc.
10501 Trade Court
N. Chesterfield, VA 23236
Phone 804-897-1177 Ext 206
Fax 804-897-0070
www.SanAir.com



The Identification Specialists

Asbestos, Lead & Metals, Microbiology, Legionella, Materials Science Testing



2018, 2019, 2020, and 2021 Winner of Top work places in Richmond

The information transmitted herewith is sensitive information intended only for use to the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying or other use of, or taking of any action in reliance upon, this information is strictly prohibited. If you have received this communication in error, please contact the sender and delete the material from your computer.

From: Bob Anderson <bobanderson@arsi-mo.com>
Sent: Thursday, March 16, 2023 11:43 AM
To: IAQ Forward <iaq@sanair.com>
Subject: Re: Analysis Report for Project Number 2357-1 is complete.

EXTERNAL EMAIL: DO NOT CLICK on links or attachments unless you recognize the sender and know the content is safe.

Hello, May i please get a 400 point count on a 24/hr turn around on sampler # 415,#420 and # 421.
Thank you.

RMB 3/16/23 11:45am

On Thu, Mar 16, 2023 at 9:34 AM SanAir Technologies Laboratory <iaq@sanair.com> wrote:



1551 Oakbridge Dr. STE B
 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
 Chain of Custody
 Form 140, Rev 3, 8/28/19

23015235

SanAir ID Number
~~23014972~~

Company: ARSI, Inc.		Project #: 2357-1	Collected by: Bob Anderson <i>BA</i>
Address: PO Box 105287		Project Name: Lincoln University, Dawson Hall(2nd-3rd floors)	Phone #: 573-896-0222
City, St., Zip: Jefferson City, MO 65110		Date Collected: 03/14/2023	Fax #: 573-896-9389
State of Collection: Missouri Account#: 3617		P.O. Number: 117	Email: bobanderson@arsi-mo.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 & Soil	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABBIK	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"/>
ABBN	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"/>	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"/>		
Water				Matrix Other	
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"/>	1 Day <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*
411	Ceiling Texture (3rd floor, typical)				
412	2x2 Ceiling Tile (3rd floor, typical)				
413	12x12 Floor Tile (3rd floor, lobby and corridors)				
414	Window Caulk (exterior)				
415	Mud Fitting (on hanger in chase, 3rd floor)				
416	Ceiling Texture (2nd floor, typical)				
417	2x2 Ceiling Tile (2nd floor, typical)				
418	12x12 Floor Tile (2nd floor, lobby & corridors)				
419	12x12 Floor Tile (2nd floor, closet)				
420	Mud Fitting (on hanger, 2nd floor chase)				
421	Mud Fitting (on hanger, 2nd floor chase)				

Relinquished by	Date	Time	Received by	Date	Time
<i>BA</i> Bob Anderson	03/14/2023	16:00	<i>IKM</i>	3/15/23	10:05am

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 Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



The Identification Specialists

Analysis Report
prepared for
ARSI, Inc.

Report Date: 3/20/2023

**Project Name: Lincoln University, Dawson Hall (1st And
Basement)**

Project #: 2357-1

SanAir ID#: 23015535



NVLAP LAB CODE 200870-0

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SanAir ID Number
23015535
FINAL REPORT
3/20/2023 1:29:31 PM

Name: ARSI, Inc.
Address: PO Box 105287
Jefferson City, MO 65110
Phone: 573-896-0222

Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (1st And Basement)
Collected Date: 3/16/2023
Received Date: 3/17/2023 10:40:00 AM

Dear Bob Anderson,

We at SanAir would like to thank you for the work you recently submitted. The 17 sample(s) were received on Friday, March 17, 2023 via UPS. The final report(s) is enclosed for the following sample(s): 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456.

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:

- 17 samples in Good condition.



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Project Name: Lincoln University, Dawson Hall (1st And
 Basement)
Collected Date: 3/16/2023
Received Date: 3/17/2023 10:40:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
440 / 23015535-001 2x2 Ceiling Tile (1st Floor, Typical)	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Other	None Detected
441 / 23015535-002 Carpet Adhesive (1st Floor)	Tan Non-Fibrous Homogeneous		100% Other	None Detected
442 / 23015535-003 12x12 Floor Tile (1st Floor Closet), Floor Tile	White Non-Fibrous Homogeneous		100% Other	None Detected
442 / 23015535-003 12x12 Floor Tile (1st Floor Closet), Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected
443 / 23015535-004 Cove Base (1st Floor), Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
443 / 23015535-004 Cove Base (1st Floor), Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected
444 / 23015535-005 Vinyl Plank Flooring (1st Floor)	Grey Non-Fibrous Homogeneous		100% Other	None Detected
445 / 23015535-006 12x12 Floor Tile (1st Floor Office Under Cabinet), Floor Tile	Grey Non-Fibrous Homogeneous		100% Other	None Detected
445 / 23015535-006 12x12 Floor Tile (1st Floor Office Under Cabinet), Mastic	Tan Non-Fibrous Homogeneous		100% Other	None Detected
446 / 23015535-007 Mastic (1st Floor North And South Entrances)	Black Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Nicholas Pisula*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/20/2023

Date: 3/20/2023



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Project Number: 2357-1
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Received Date: 3/17/2023 10:40:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
447 / 23015535-008 12x12 Floor Tile (Room 103), Floor Tile	Beige Non-Fibrous Homogeneous		100% Other		None Detected
447 / 23015535-008 12x12 Floor Tile (Room 103), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected
448 / 23015535-009 12x12 Floor Tile (Dining Hall), Floor Tile	Beige Non-Fibrous Homogeneous		100% Other		None Detected
448 / 23015535-009 12x12 Floor Tile (Dining Hall), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected
449 / 23015535-010 Pipe Insulation (Dining Hall, Above Drop Ceiling)	Tan Fibrous Homogeneous	95% Glass	5% Other		None Detected
450 / 23015535-011 Hanger Insulation (Dining Hall, Above Drop Ceiling)	Grey Non-Fibrous Homogeneous		100% Other		None Detected
451 / 23015535-012 12x12 Floor Tile (Computer Lab), Floor Tile	Beige Non-Fibrous Homogeneous		100% Other		None Detected
451 / 23015535-012 12x12 Floor Tile (Computer Lab), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected
452 / 23015535-013 12x12 Floor Tile (Basement, East Storage Room), Floor Tile	Beige Non-Fibrous Homogeneous		100% Other		None Detected
452 / 23015535-013 12x12 Floor Tile (Basement, East Storage Room), Mastic	Black Non-Fibrous Homogeneous		100% Other		None Detected

Analyst: *Nicholas Pisula*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/20/2023

Date: 3/20/2023



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Name: ARSI, Inc.
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Project Number: 2357-1
P.O. Number: 117
Project Name: Lincoln University, Dawson Hall (1st And Basement)
Collected Date: 3/16/2023
Received Date: 3/17/2023 10:40:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
453 / 23015535-014 12x12 Floor Tile (Basement Lobby), Floor Tile	White Non-Fibrous Homogeneous		100% Other		None Detected
453 / 23015535-014 12x12 Floor Tile (Basement Lobby), Mastic	Tan Non-Fibrous Homogeneous		100% Other		None Detected
454 / 23015535-015 Mudded Fitting (Valve, Basement Mech. Room)	Grey Non-Fibrous Homogeneous		100% Other		None Detected
455 / 23015535-016 Mudded Fitting (Roof Drain, Basement)	Grey Non-Fibrous Homogeneous		100% Other		None Detected
456 / 23015535-017 2x2 Ceiling Tile (Basement)	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Other		None Detected

Analyst: *Nicholas Pisula*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 3/20/2023

Date: 3/20/2023

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. 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. 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 name, 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 and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified 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 Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020



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 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
 Chain of Custody
 Form 140, Rev 3, 8/28/19

SanAir ID Number
 23015535

Company: ARSI, Inc.	Project #: 2357-1	Collected by: Bob Anderson <i>BA</i>
Address: PO Box 105287	Project Name: Lincoln University, Dawson Hall(1st and basement)	Phone #: 573-896-0222
City, St., Zip: Jefferson City, MO 65110	Date Collected: 03/16/2023	Fax #: 573-896-9389
State of Collection: Missouri Account#: 3617	P.O. Number: 117	Email: bobanderson@arsi-mo.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 & Soil	
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"/>
ABBN	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"/>	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"/>
** Available on 24-hr. to 5-day TAT		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix Other	
Water		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		<input type="checkbox"/>
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 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*
440	2x2 Ceiling Tile (1st floor, typical)				
441	Carpet Adhesive (1st floor)				
442	12x12 Floor Tile (1st floor closet)				
443	Cove Base (1st floor)				
444	Vinyl Plank Flooring (1st floor)				
445	12x12 Floor Tile (1st floor office under cabinet)				
446	Mastic (1st floor North and South entrances)				
447	12x12 Floor Tile (room 103)				
448	12x12 Floor Tile (dining hall)				
449	Pipe Insulation (dining hall, above drop ceiling)				
450	Hanger Insulation (dining hall, above drop ceiling)				
451	12x12 Floor Tile (computer lab)				

Relinquished by	Date	Time	Received by	Date	Time
<i>BA</i> Bob Anderson	03/16/2023	11:30	EDR	3/17/23	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 Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
452	12x12 Floor Tile (basement, East storage room)				
453	12x12 Floor Tile (basement lobby)				
454	Mudded Fitting (valve, basement mech. room)				
455	Mudded Fitting (roof drain, basement)				
456	2x2 Ceiling Tile (basement)				

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
<i>BA</i> Bob Anderson	03/16/2023	11:30	EDR	3/17/23	10:40 a.m.

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Page 2 of 2