



**ROANOKE CITY
PUBLIC SCHOOLS**

Strong Students. Strong Schools. Strong City.

Purchasing Department
P.O. Box 13145 • Roanoke, VA 24031
PHONE (540) 853-1348
FAX (540) 853-2836

July 21, 2022

IFB 3090

**RUFFNER PROFESSIONAL DEVELOPMENT AND
OPERATIONS CENTER REPURPOSING SERVICES**

Addendum #4

This addendum changes the bid closing date, provides answers to questions received from contractors as of July 13, 2022, revises the Bid Form, and includes additional information to supplement Addendum #3.

- 1. The bid closing date and time has been revised to Thursday, August 4th at 3:00 PM. See included revised mailing label.**
- 2. Questions & Answers (list is continued from Addendum #2):**

Q31: The table of contents and section 007300 Supplementary Conditions referenced section 007200 General conditions, but this section and general conditions document is not included in the documents. Please clarify what General Conditions are being used.

A31: Section 007200 is one page and is included in the project manual between section 005000 & 007300, but it is mislabeled as page 00500-2.

3. ADDITIONAL INFORMATION:

1. Reference Specification section 011000-2 paragraph 1.04. As discussed during the pre-bid meeting the following revisions apply:
 - a. Delete "A" – There are no classroom trailers
 - b. Revise "B" to read "Owner will provide monitoring and reporting during removal of asbestos containing materials (ACM). Lead based paint where encountered, shall be handled per governing regulations (See page 10 in the IFB)."
2. Reference Addendum #3 Appendix B "Hazardous Material Reports". Two supplemental reports are included with this Addendum as additional information to bidders. As discussed during the pre-bid, some asbestos containing materials will still be present at the commencement of this project. The successful bidder should include the cost of containment, removal, and disposal of the following materials likely to be encountered in the base bid:
 - a. REC Letter dated March 18, 2022 – Gray nonfriable exterior door caulking & Gray nonfriable interior door caulking. Most interior doors are being removed during demolition however fire doors at stairwells and exterior doors removed or disturbed under this contract will need to be properly addressed.
 - b. REC Letter dated May 17, 2022 – Mastic on roof drains and connected piping not removed or addressed during the early demolition phase will need to be properly abated.
 - c. REC Letter dated June 14, 2022 – Granular block filler insulation in exterior wall cavities. Note that abatement is not required for this material, but proper handling and disposal is necessary.
3. Reference Question and Answer number 7 in Addendum #2 – RCPS is still considering the purchase of select equipment with potentially long lead times, however the list of equipment has not been finalized. **Potential bidders should include the cost of providing and installing all electrical equipment in the contract documents.**
4. Reference revised bid sheet which includes unit prices for brick repair work detailed in specification section 012200. Please include this revised bid sheet with bid responses.

XI. REVISED BID FORM (Addendum #4) – IFB 3090

**RUFFNER PROFESSIONAL DEVELOPMENT AND OPERATIONS
CENTER REPURPOSING SERVICES**

1. BASE BID:

The undersigned, as bidder, hereby declares that the only person or persons interested in this proposal as Principal or Principals is/are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company, or parties making a bid or proposal; and that it is, in all respects, fair and in good faith without collusion or fraud.

The bidder further declares that he has examined the site of the work and informed himself fully in regard to all conditions pertaining to the place where the work is to be done; that he has examined the plans and specifications for the work and the contractual documents relative thereto; and has read all special provisions furnished prior to the opening of the bids; that he has satisfied himself relative to the work to be performed within the established time.

He proposes and agrees, if this proposal is accepted, to contract with **Roanoke City Public Schools**, in the form of contract specified to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor, and pay all State and local sales taxes necessary to complete the project listed above, in full and complete accordance with the shown, noted, described and reasonably intended requirements of the plans, specifications, and Contract Documents with a definite understanding that no money will be allowed for extra work except as set forth in the attached General Conditions and Contract Documents, for the following amount:

For the total sum of _____ Dollars

(\$_____).

UNIT PRICES:

Repointing of brick material at exterior walls as described in specification section 012200.

Unit Rate \$_____/Square Foot x 200 Square Feet

For the total sum of _____ Dollars

(\$_____).

2. TIME OF COMPLETION:

- a. Work at the site shall commence as indicated within the Notice to Proceed.
- b. The undersigned agrees, if awarded contract and given formal Notice to Proceed, that work under this contract shall be substantially completed and accepted by the Owner in accordance with the following schedule:
 - 1. The Work shall begin after August 1, 2022.
 - 2. The Work shall be substantially completed by August 1, 2023.

3. CONTRACT PROVISIONS:

In submitting the Bid, the Undersigned agrees:

- a. to comply with all requirements indicated in the Invitation for Bids;
 - b. to accept the provisions of the Bidding Documents;
 - c. to accomplish the Work in accordance with the Bidding Documents in the time stipulated in Article 2 of this Bid.
4. CONTRACT SECURITY: The undersigned agrees, if awarded contract, to furnish and deliver to the Owner an executed performance and payment bond in accordance with the requirements of the contract documents.
5. BID GUARANTEE: The undersigned agrees to requirements of the contract documents relative to "Bid Guarantee". This bid may be rejected if not accompanied by a guarantee in the specified amount. Any certified checks may be uncollected at the risk of bidders submitting them. Bids shall be valid for thirty (30) days following receipt.
6. PROPOSAL ACCEPTANCE: If undersigned is notified of proposal acceptance within thirty (30) days following opening of bids, he agrees to execute a contract for work for compensation stated in the bid form, in form of agreement attached to the specifications within ten (10) days after date of notice of acceptance.
7. ADDENDUM/BULLETIN RECEIPT: The undersigned hereby acknowledges the receipt of the following addenda to the Contract Documents:

Addendum _____ Dated _____

Addendum _____ Dated _____

Addendum _____ Dated _____

Addendum _____ Dated _____

Addendum _____ Dated _____

Addendum _____ Dated _____

Signed: _____

Name: _____

Title: _____

For: _____
(firm, company, or corporation)

Date: _____
_____ (business address)


If a bidder is a corporation, write State of incorporation under signature, and if a partnership, give full names of all parties below.

Do not include in the envelope any bids for other work.

Registered as a Class A contractor under Title 54.1, Chapter 11, Code of Virginia, as amended,
Certificate No. _____, Year _____,
Or Registration not required under Chapter 11, Title 54.1, Code of Virginia.

END OF BID FORM

**DETACH AND SECURELY AFFIX THIS FORM
TO THE FRONT OF THE ENVELOPE**

 Detach Here-----

Company Name

Company Mailing Address

Company City, State, Zip

Roanoke City Public Schools
Attn: Eric Thornton, Director of Purchasing
Department of Purchasing
40 Douglass Avenue NW
Roanoke, VA 24012

Roanoke City Public Schools ----- IFB No. 3090
Closing Time and Date of Bid ----- **August 4, 2022; 3:00 PM**



ROCKBRIDGE ENVIRONMENTAL
CONSULTING, INC.

Mr. Jeff Shawver
Chief of Physical Plants
Roanoke City Schools
3601 Ferncliff Avenue
Roanoke, VA 24017

May 17, 2022

Mr. Shawver,

This letter shall serve as the Certification of Completion for the limited Asbestos sampling for the scheduled demolition at William Ruffner located at 3601 Ferncliff Avenue in Roanoke, Virginia.

Bulk samples were forwarded to San Air Technologies in Powhatan, Virginia, and were further divided to meet laboratory regulatory compliance and analyzed via Polarized Light Microscopy using the EPA Interim Method for the Determination of Asbestos in Bulk Samples (EPA-600/R-93/116).

This testing identified ACM that was generally accessible through non-destructive methods. If any additional materials not identified in this report are discovered during renovation/demolition, they should be assumed to contain asbestos until sampling proves otherwise. Please see the attached detailed Chain Of Custody supplied to San Air and subsequent results for materials sampled, descriptions, and sample locations.

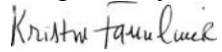
VA DPOR defines Asbestos-Containing Materials (ACM) as materials containing more than 1% asbestos. OSHA Regulations apply to material containing any percentage of asbestos. The following materials tested positive:

- **The black mastic applied to non-asbestos mudded joint plaster insulation on roof drains sampled on the 1st floor tested positive for 4% chrysotile asbestos.**
- **The black mastic applied to fiberglass roof drain insulations sampled on the 2nd Floor tested positive for 5-6% chrysotile asbestos.**

We recommend removal of these materials where slated for renovation or demolition in order to prevent them from releasing asbestos fibers. Qualified personnel

should complete all removal, decontamination, and transportation of asbestos containing materials and asbestos contaminated materials. We recommend Asbestos Project Monitoring and Final Clearance Air sampling for the work areas.

Respectfully,



Kristin Famuliner

Senior Biologist

VA Asbestos Inspector # 3303 002602

VA Asbestos Project Designer # 3305 000989

VA Asbestos Project Monitor # 3309 001040

VA Asbestos Management Planner # 3304 001422



The Identification Specialists

Analysis Report
prepared for
Rockbridge Environmental Consulting, Inc.

Report Date: 5/18/2022

Project Name: Ruffner Reno/Demo-Amended Report JT

Project #: RCPS

SanAir ID#: 22020196



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
22020196
FINAL REPORT
5/18/2022 10:52:22 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
Suite B01
Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo-Amended Report JT
Collected Date: 4/20/2022
Received Date: 4/25/2022 10:45:00 AM

Dear Sir or Madam,

We at SanAir would like to thank you for the work you recently submitted. The 12 sample(s) were received on Monday, April 25, 2022 via UPS. The final report(s) is enclosed for the following sample(s): RD-1, RD-2, RD-3, RD-4, RD-5, RD-6, RD-7, RD-8, RD-9, RD-10, RD-11, RD-12.

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:
- 12 samples in Good condition.



SanAir ID Number
22020196
 FINAL REPORT
 5/18/2022 10:52:22 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
 Suite B01
 Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo-Amended Report JT
Collected Date: 4/20/2022
Received Date: 4/25/2022 10:45:00 AM

Analyst: Sanchez, Meivis | Tallert, Jonathan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
RD-1 / 22020196-001 Mastic On MJP (Roof Drain) 1F IT Hall, Mastic	Black Non-Fibrous Homogeneous		96% Other		4% Chrysotile
RD-1 / 22020196-001 Mastic On MJP (Roof Drain) 1F IT Hall, Mudded Fitting	Grey Non-Fibrous Homogeneous	15% Min. Wool	85% Other		None Detected
RD-2 / 22020196-002 Mastic On Fiberglass (Roof Drain) 1F IT Hall, Mastic	Black Non-Fibrous Homogeneous		95% Other		5% Chrysotile
RD-2 / 22020196-002 Mastic On Fiberglass (Roof Drain) 1F IT Hall, Wrap	Various Fibrous Homogeneous	50% Cellulose 10% Glass	40% Other		None Detected
RD-2 / 22020196-002 Mastic On Fiberglass (Roof Drain) 1F IT Hall, Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Other		None Detected
RD-3 / 22020196-003 12x12 VCT/With Mastic, 1F IT Break Room, Tile	Tan Non-Fibrous Homogeneous		100% Other		None Detected
RD-3 / 22020196-003 12x12 VCT/With Mastic, 1F IT Break Room, Adhesive	Brown Non-Fibrous Homogeneous		100% Other		None Detected
RD-4 / 22020196-004 12x12 VCT/With Mastic, 1F Restroom, Tile	Tan Non-Fibrous Homogeneous		100% Other		None Detected
RD-4 / 22020196-004 12x12 VCT/With Mastic, 1F Restroom, Adhesive	Brown Non-Fibrous Homogeneous		100% Other		None Detected
RD-5 / 22020196-005 Window Glazing Compound, Window S.W.	Grey Non-Fibrous Homogeneous		100% Other		None Detected

Amended Report: Additional Analysis

Analyst: *Meivis Sanchez*

Approved Signatory: *J. Tallert*

Analysis Date: 5/18/2022

Date: 5/18/2022



SanAir ID Number
22020196
 FINAL REPORT
 5/18/2022 10:52:22 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
 Suite B01
 Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo-Amended Report JT
Collected Date: 4/20/2022
Received Date: 4/25/2022 10:45:00 AM

Analyst: Sanchez, Meivis | Tallert, Jonathan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
RD-6 / 22020196-006 Interior Window Caulk, Window SW Corner Office	Grey Non-Fibrous Homogeneous		100% Other		None Detected
RD-7 / 22020196-007 Window Glazing Compound, Window East	Grey Non-Fibrous Homogeneous		100% Other		None Detected
RD-8 / 22020196-008 Interior Window Caulk, Window East Office	Grey Non-Fibrous Homogeneous		100% Other		None Detected
RD-9 / 22020196-009 Roof Deck, 2F Facilities Hall	Tan Non-Fibrous Homogeneous		100% Other		None Detected
RD-10 / 22020196-010 Roof Deck, 2F Facilities Hall	Tan Non-Fibrous Homogeneous		100% Other		None Detected
RD-11 / 22020196-011 MJP (Roof Drain Collar) 2F Facilities Hall (Damaged)	Grey Non-Fibrous Homogeneous	5% Min. Wool	95% Other		None Detected
RD-12 / 22020196-012 Mastic On Fiberglass (Roof Drain) 2F Facilities Hall	Black Non-Fibrous Homogeneous	2% Glass	92% Other		6% Chrysotile

Amended Report: Additional Analysis

Analyst: *Meivis Sanchez*

Approved Signatory: *[Signature]*

Analysis Date: 5/18/2022

Date: 5/18/2022

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

200196

Company: REC, INC	Project #: <i>RCPS</i>	Collected by: <i>CF</i>
Address: 22 S Main St Suite B01	Project Name: <i>Ruffner Reno/Demo</i>	Phone #: 540.463.3336
City, St., Zip: Lexington, VA 24450	Date Collected: <i>4.20.22</i>	Fax #:
State of Collection:	Account#:	P.O. Number:
		Email:

Bulk		Air		Soil/Vermiculite	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBEN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				
Water		New York ELAP		Dust	
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>		
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>	Matrix	Other <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"/>	24 HR <input checked="" type="checkbox"/>
	2 Days <input type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input type="checkbox"/>

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate	Time Start - Stop
RD-1	Black mastic on MJP (Roof Drain) 1F IT Hall				
RD-2	Black mastic on Fiberglass (Roof Drain) 1F IT Hall				
RD-3	12x12 VCT ORANGE/BROWN with BROWN Mastic, 1F IT BREAK Room				
RD-4	12x12 VCT ORANGE/BROWN with BROWN Mastic, 1F Restroom				
RD-5	Window Glazing Compound, window S.W				
RD-6	INTERIOR Window Caulk, window S.W. Corner office				
RD-7	Window Glazing Compound, window East				
RD-8	INTERIOR Window Caulk, window East office				
RD-9	Roof Deck, 2F FACILITIES HALL				
RD-10	Roof Deck, 2F FACILITIES HALL				
RD-11	MJP (ROOF DRAIN COLLAR) 2F FACILITIES HALL (DAMAGED)				
RD-12	Black Mastic on Fiberglass (Roof Drain) 2F FACILITIES HALL				

Relinquished by	Date	Time	Received by	Date	Time
<i>Citaramalanda</i>	<i>4.21.22</i>		<i>ZAO</i>	<i>4/25/22</i>	<i>10:45a</i>

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
05-31-2022

NUMBER
3303002229

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



CHARLES CHANCE FAMLINER
493 UNEXPECTED ROAD
LEXINGTON, VA 24450-0000



Charles Chance Famliner
By: Charles Chance Famliner, Licensee

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303002229 EXPIRES: 05-31-2022

CHARLES CHANCE FAMLINER
493 UNEXPECTED ROAD
LEXINGTON, VA 24450-0000



front

VOID

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)



ROCKBRIDGE ENVIRONMENTAL
CONSULTING, INC.

Mr. Jeff Shawver
Chief of Physical Plants
Roanoke City Schools
3601 Ferncliff Avenue
Roanoke, VA 24017

June 14, 2022

Mr. Shawver,

This letter shall serve as the Certification of Completion for the Supplemental Sampling performed prior to the renovation at Ruffner Middle located at 3601 Ferncliff Avenue, located in Roanoke, Virginia. Mr. Chance Famuliner, a VA-licensed Asbestos Inspector completed the evaluation on June 8, 2022.

Bulk samples were forwarded to SanAir Technologies in Powhatan, Virginia, and were further divided to meet laboratory regulatory compliance and analyzed via Polarized Light Microscopy using the EPA Interim Method for the Determination of Asbestos in Bulk Samples (EPA-600/R-93/116).

This testing identified ACM that was generally accessible through non-destructive methods, therefore, ACM's could remain inside walls, above hard ceilings, below floors or encased in concrete.

Please note that VA DPOR defines Asbestos-Containing Materials (ACM) as materials containing more than 1% asbestos. OSHA Regulations apply to material containing any percentage of asbestos.

The following materials tested greater than 1% positive for asbestos:

- Nonfriable black mastic used to adhere multiple layers of felt paper to concrete flooring in the Gym tested positive for 10% chrysotile.

The following materials tested positive for <1% trace amount of asbestos:

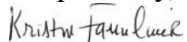
- Block filler insulations sampled in the Laundry Room tested positive for <1% actinolite. This material was damaged at this location and likely exists inside Exterior walls. The material should be cleaned where damaged through a documented Response Action. The block filler will most likely not be disturbed further during the current scope of work for this renovation.

We recommend removal of these materials prior to renovation in order to prevent them from releasing asbestos fibers when disturbed. Qualified personnel should complete all removal, decontamination, and transportation of asbestos containing materials and asbestos contaminated materials. We recommend Asbestos Project Monitoring be performed during abatement.

Please retain these documents for your permanent records and insert all into the Asbestos Management Plan for the school. Please refer to the attached Laboratory Results for any additional details. Please retain these documents for your permanent records.

Thank you. Please feel free to contact our office with any questions.

Respectfully,



Kristin Famuliner

Senior Biologist

VA Asbestos Inspector # 3303 002602

VA Asbestos Project Designer # 3305 000989

VA Asbestos Project Monitor # 3309 001040

VA Asbestos Management Planner # 3304 001422



The Identification Specialists

Analysis Report
prepared for
Rockbridge Environmental Consulting, Inc.

Report Date: 6/14/2022

Project Name: Ruffner Reno/Demo Testing

Project #: RCPS

SanAir ID#: 22028634



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
22028634
FINAL REPORT
6/14/2022 10:05:23 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
Suite B01
Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo Testing
Collected Date: 6/8/2022
Received Date: 6/13/2022 9:45:00 AM

Dear Sir or Madam,

We at SanAir would like to thank you for the work you recently submitted. The 10 sample(s) were received on Monday, June 13, 2022 via UPS. The final report(s) is enclosed for the following sample(s): Rds-1, Rds-2, Rds-3, Rds-4, Rds-5, Rds-6, Rds-7, Rds-8, Rds-9, Rds-10.

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 cursive script that reads "Sandra Sobrino".

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 10 samples in Good condition.



SanAir ID Number
22028634
 FINAL REPORT
 6/14/2022 10:05:23 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
 Suite B01
 Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo Testing
Collected Date: 6/8/2022
Received Date: 6/13/2022 9:45:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
Rds-1 / 22028634-001 Felt & Mastic, Gym Floor, Felt	Black Fibrous Homogeneous	85% Cellulose	15% Other	None Detected
Rds-1 / 22028634-001 Felt & Mastic, Gym Floor, Mastic	Black Non-Fibrous Homogeneous		90% Other	10% Chrysotile
Rds-2 / 22028634-002 Felt & Mastic, Gym Floor, Felt	Black Fibrous Homogeneous	85% Cellulose	15% Other	None Detected
Rds-2 / 22028634-002 Felt & Mastic, Gym Floor, Mastic	Black Non-Fibrous Homogeneous		90% Other	10% Chrysotile
Rds-3 / 22028634-003 Mastic On Concrete, Gym	Black Non-Fibrous Homogeneous		90% Other	10% Chrysotile
Rds-4 / 22028634-004 Mastic On Concrete, Gym	Black Non-Fibrous Homogeneous		90% Other	10% Chrysotile
Rds-5 / 22028634-005 Adhesive, Backboard Rm 215, Alumni Frame	Black Non-Fibrous Homogeneous		100% Other	None Detected
Rds-6 / 22028634-006 Adhesive, Backboard Rm 209, Alumni Frame	Black Non-Fibrous Homogeneous		100% Other	None Detected
Rds-7 / 22028634-007 Chemical Table Top, Rm209	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
Rds-8 / 22028634-008 Block Filler, Laundry Rm	Various Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite

Analyst:

Approved Signatory:

Analysis Date: 6/14/2022

Date: 6/14/2022



SanAir ID Number
22028634
 FINAL REPORT
 6/14/2022 10:05:23 AM

Name: Rockbridge Environmental Consulting, Inc.
Address: 22 S Main St
 Suite B01
 Lexington, VA 24450
Phone: 540-463-3336

Project Number: RCPS
P.O. Number:
Project Name: Ruffner Reno/Demo Testing
Collected Date: 6/8/2022
Received Date: 6/13/2022 9:45:00 AM

Analyst: Hogrefe, Sarah

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
Rds-9 / 22028634-009 Block Filler	Various Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite
Rds-10 / 22028634-010 Block Filler, LR	Various Non-Fibrous Heterogeneous		100% Other	< 1% Actinolite

Analyst:

Approved Signatory:

Analysis Date: 6/14/2022

Date: 6/14/2022

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



10501 Trade Ct., Suite 100
 N. Chesterfield, VA 23236
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
 Chain of Custody
 Form 140, Rev 6, 1/26/2022

SanAir ID Number

2208034

Company: REC, Inc.		Project #: RCB	Collected by: CF
Address: 22 S Main Str Ste B01		Project Name: Ruffner Reno/Demo	Phone #: 5404633336/5403193337
City, St., Zip: Lexington VA 24450		Date Collected: Testing 6-8-22	Fax #:
State of Collection: VA	Account#:	P.O. Number:	Email: Chance Kristina Judy

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"/>	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"/>	<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*
Rds-1	Felt & Mastic, gym Floor				
Rds-2	Felt & Mastic, gym Floor				
Rds-3	Mastic on Concrete, gym				
Rds-4	Mastic on Concrete, gym				
Rds-5	Adhesive, Blackboard Rm 215, Aluminum frame				
Rds-6	Adhesive, Blackboard Rm 209, Aluminum frame				
Rds-7	Chemical table top, Rm 209				
Rds-8	Block filler, Laundry Rm				
Rds-9	Block filler				
Rds-10	Block filler, LR				

Relinquished by	Date	Time	Received by	Date	Time
<i>[Signature]</i>	6-9-22		<i>[Signature]</i>	6/13/22	9:45

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.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

05-31-2023

NUMBER

3303002229

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



CHARLES CHANCE FAMULINER
493 UNEXPECTED ROAD
LEXINGTON, VA 24450-0000



Demetrios J. Melis
Demetrios J. Melis, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303002229 EXPIRES: 05-31-2023

CHARLES CHANCE FAMULINER
493 UNEXPECTED ROAD
LEXINGTON, VA 24450-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)