



MCPS RADON TESTING – EXECUTIVE SUMMARY

Site Name	Rock Creek Valley Elementary School
Date of Test Report	05/12/2022
Round of Testing	Initial Follow-up Post Remediation 2 Year Testing 5 Year Testing HVAC Upgrade Window Replacement New Addition New Facility
# Rooms Tested	1
# Rooms \geq 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	0.9 pCi/L

Project Status

Current Project Status at this time: Testing completed; no further action needed



May 12, 2022

Mr. Brian Croyle, PG, CHMM
Environmental Specialist
Montgomery County Public Schools
Gaithersburg, MD 20879

Re: **Radon Testing Services**
KCI Job # 122108316

Location: Rock Creek Valley Elementary School
5121 Russett Rd.
Rockville, MD 20853

Dear Mr. Croyle:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Rock Creek Valley Elementary School, located 5121 Russett Rd. Rockville, MD 20853 (subject site).

Scope of Services:

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Proficiency Program (NRPP) Radon Measurement Specialist (certification #111004 RT) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from <https://www.montgomeryschoolsmd.org> or www.epa.gov/radon.

KCI visited the site on March 22, 2022 and deployed four (4) activated charcoal (AC) radon test kits. KCI deployed radon test kits in all frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance.

KCI sampled the following locations during this follow-up test:

1. Rooms with missing test kits from the Radon 2022 testing period (i.e. test kit was deployed but not recovered),
2. Rooms with invalidated test kits from the Radon 2022 testing period (e.g. an open window in the room or disturbed test kit),
3. Rooms which were locked/inaccessible during the Radon 2022 testing period,
4. Rooms with elevated radon results (i.e. ≥ 3.5 pCi/L),
5. Rooms previously tested for radon but not tested in Radon 2022, and
6. Additional rooms that require testing (if applicable.)

A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI also included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on March 25, 2022 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc. is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936 Butler Bridge Road, Mills River, North Carolina.

Evaluation of Testing Conditions:

These tests represent:

- Follow-up to initial testing.

These tests were conducted to:

- Evaluate radon concentrations at the facility.

According to AARST, *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*, ideal testing conditions would be when the building is fully occupied and the heating system is active. For this test, the facility's HVAC system was operating in heating mode; therefore, KCI concludes that this test was conducted during ideal testing conditions.

KCI recorded observations of the following conditions in each room during the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

KCI also compiled weather data for the testing period and conducted observations of relevant field conditions. During the test period, weather records indicate low temperatures were in the low 40°Fs and high temperatures ranged from the low 50°Fs to the low 70°Fs. Maximum sustained winds ranged from 0-29 miles per hour. Average humidity was around 56% with 0.51 inches of precipitation (rain) was recorded during testing period.

Results:

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

Radon Concentration	Room	Result
≥4.0 pCi/L	None	N/A
<4.0 pCi/L	See Attachment B	

Quality Control Samples	
Results of Blank Canisters:	The office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L.
Adequate Laboratory Precision?	Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved.
Spike Sample Analysis:	The Spike Sample analysis results indicate the laboratory is operating within statistical control limits.

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 891-1769.

Sincerely,



Tyler P. McCleaf
Radon Measurement Provider
#111004 RT
KCI Technologies, Inc.

Attachments: A- Floor Plan with Test Locations
 B- Table 1-3, Radon Test Summary Spreadsheets
 C- Laboratory Analytical Results

ATTACHMENT A

Floor Plan With Test Locations

ATTACHMENT B

Radon Test Summary Spreadsheet

Table Notes:

AC- Activated Charcoal

ACI- Air Check, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

OC- Quality Control

Table 1- Radon Testing Results		
Rock Creek Valley ES RT		
Test Period: 03/22/2022 - 03/25/2022		
Kit Number	Room / Area	Result
11138956	B3	0.6
11138963	B3	0.7
11138964	B3	0.9
11139098	B3	< 0.3

Table 2- Radon Testing Results			
Rock Creek Valley ES RT			
Test Period: 03/22/2022 - 03/25/2022			
Kit Number	QC Type	Room / Area	Result
11138964	D	B3	0.9
11139098	FB	B3	< 0.3
11139902	OB	OFFICE BLANK	< 0.3
11139928	TB	TRAVEL BLANK	< 0.3

Summary of Missed Locations		
Rock Creek Valley ES RT		
Test Period: 03/22/22 - 03/25/22		
Kit Number	Room/Area	Result
	NA	

Summary of Missing, Compromised and >= 4 piC/L Tests		
Rock Creek Valley ES RT		
Test Period: 03/22/22 - 03/25/22		
Kit Number	Room/Area	Result
	NA	

Table Note:
* Missing or Compromised Sample

ATTACHMENT C

Laboratory Analytical Results

March 28, 2022

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
**ROCK VALLEY ES RT
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11138956	B3	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	0.6 ± 0.3	2022-03-28
11138963	B3	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	0.7 ± 0.3	2022-03-28
11138964	B3	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	0.9 ± 0.3	2022-03-28
11139098	B3	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	< 0.3	2022-03-28

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies, Inc. Job Number 204620

NOMINAL Conditions: Radon Conc 27.0 pCi/L Rel. Hum 50.1 % Temp. 70.0 F

Date Start: 3/18/22 Date Stop: 3/21/22 Date Start: _____ Date Stop: _____

Time Start: 0705 Time Stop: 0705 Time Start: _____ Time Stop: _____

Device No.'s: (5) Char Bags - Device No.'s: _____

11139367, 11139368, 11139371, _____

11139710, 11139717 _____

E3 light

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)
Background = 7 μ R/h Elevation = 820 ft

March 30, 2022

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

MCPS - Spike Sample Lab Results. Measured values are satisfactory, i.e., within $\pm 25\%$ of the chamber's reference value (25.7 pCi/L).

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11139367	SK1	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	25.9 \pm 2.1	2022-03-30
11139368	SK2	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	23.9 \pm 2.0	2022-03-30
11139371	SK3	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	25.7 \pm 2.1	2022-03-30
11139710	SK4	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	26.4 \pm 2.1	2022-03-30
11139717	SK5	2022-03-18 @ 7:00 am	2022-03-21 @ 7:00 am	24.6 \pm 2.0	2022-03-30

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498



Radon Test Kit Chain of Custody

Project Name: MCPS Radon – March 2022 Schools – Retesting

Name of Schools:

1. Herbert Hoover MS
2. Parkland MS
3. Redland MS
4. Rock Creek Valley ES
5. Tilden MS
6. Rockville HS
7. Wootton HS
8. Capt. James E. Daly ES
9. Clarksburg HS
10. Clearspring ES
11. Hallie Wells MS
12. Northwest HS
13. Paint Branch HS
14. Rocky Hills MS
15. Seneca Valley HS
16. Sherwood HS
17. Wilson Wims ES

	Date	Initials
Radon Test Kits Deployed	03/22/2022	BMM
Radon Test Kits Collected	03/25/2022	BMM
Radon Test Kits Shipped to Lab*	03/25/2022	BMM
Radon Test Kits Received by Lab*	03/28/2022	BMM

*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759



MCPS RADON TESTING – EXECUTIVE SUMMARY

Site Name	Rock Creek Valley Elementary School
Date of Test Report	4/6/2022
Round of Testing	Initial Follow-up Post Remediation 2 Year Testing 5 Year Testing HVAC Upgrade Window Replacement New Addition New Facility
# Rooms Tested	52
# Rooms \geq 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	1.3 pCi/L

Project Status:

Initial testing completed; Missing or compromised kits need re-sampling.



April 6, 2022

Brian T. Croyle, PG, CHMM
Environmental Specialist
Montgomery County Public Schools
Gaithersburg, MD 20879

Re: **Radon Testing Services**
KCI Job # 122108316

Location: Rock Creek Valley ES
5121 Russett Rd.
Rockville, MD 20853

Dear Mr. Croyle:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Rock Creek Valley ES, located at 5121 Russett Rd. Rockville, MD 20853 (subject site).

Scope of Services:

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Proficiency Program (NRPP) Radon Measurement Specialist (certification #111004 RT) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from <https://www.montgomeryschoolsmd.org> or www.epa.gov/radon.

KCI visited the site on February 7, 2022 and deployed fifty nine (59) activated charcoal (AC) radon test kits. KCI deployed radon test kits in all frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance.

A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI also included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on February 10, 2022 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc.

is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936 Butler Bridge Road, Mills River, North Carolina.

Evaluation of Testing Conditions:

These tests represent:

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KCI recorded observations of the following conditions in each room during the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

KCI also compiled weather data for the testing period and conducted observations of relevant field conditions. During the test period, weather records indicate low temperatures were in the 30s and high temperatures ranged from the mid 30s to the mid 50s Fahrenheit. Maximum sustained winds ranged from 3-12 miles per hour. Average humidity was around 23% with 0.1 inches of precipitation (rain) was recorded during testing period.

Results:

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

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Sincerely,



Tyler P. McCleaf
Radon Measurement Provider
#111004 RT
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ATTACHMENT A

Floor Plan With Test Locations

ATTACHMENT B

Radon Test Summary Spreadsheet

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AC- Activated Charcoal

ACI- Air Check, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

OC- Quality Control

Table 1- Radon Testing Results		
Rock Creek Valley ES		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11113535	A10	0.9
11113537	A11	< 0.3
11113532	A12	0.8
11113538	A14	0.6
11113523	A15	0.6
11113524	A15	< 0.3
11113520	A16	< 0.3
11113521	A16	< 0.3
11113514	A17	0.6
11113512	A18	0.6
11113511	A19	0.6
11113513	A4	0.6
11113507	A5 OT	< 0.3
11113519	A5A	< 0.3
11113510	A5B	< 0.3
11113522	A5C	< 0.3
11113515	A5D	0.7
11113508	A5E	< 0.3
11113516	A6	< 0.3
11113529	A7	< 0.3
11113530	A7	< 0.3
11113531	A8	1.0
11113509	A9	1.0
11113503	AP SPAUGH	0.6
11113528	B1	0.6
11113536	B1	0.9
11113572	B10	< 0.3
11113556	B11	< 0.3
11113561	B12	< 0.3
11113547	B13	0.6
11113557	B14	< 0.3
11113558	B14	0.8
11113573	B14A	< 0.3
11113565	B15	0.9
11113563	B16	0.7
11113564	B16	< 0.3
11113562	B17	< 0.3
11113570	B18	0.6
11113539	B2	< 0.3
11113571	B20	1.0
11113546	B22	< 0.3
11113554	B22	0.6

Table 1- Radon Testing Results		
Rock Creek Valley ES		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11113527	B24	< 0.3
11113540	B24	< 0.3
11113545	B7	< 0.3
11113518	B8	0.6
11113526	B8	< 0.3
11113569	BUILDING SERVICE	1.2
11113505	BUXTON HEALTH ROOM	0.6
11113579	C 2	< 0.3
11113566	C13	0.5
11113553	KITCHEN OFFICE	0.6
11113517	MEDIA CENTER	NA
11113525	MEDIA CENTER	< 0.3
11113533	MEDIA PREP ROOM	0.6
11113555	PARAEDUCATOR SPACE	1.3
11113504	PRINCIPAL ROOM	< 0.3
11113502	SORIA	0.6
11113506	WORK ROOM	0.6

Table 2- Radon Testing Results			
Rock Creek Valley ES			
Test Period: 02/7/2022 - 02/10/2022			
Kit Number	QC Type	Room / Area	Result
11113520	D	A16	< 0.3
11113524	D	A15	< 0.3
11113529	FB	A7	< 0.3
11113536	D	B1	0.9
11113563	D	B16	0.7
11113527	FB	B24	< 0.3
11113518	D	B8	0.6
11113481	OB	OFFICE BLANK	< 0.3
11113483	TB	TRAVEL BLANK	< 0.3

ATTACHMENT C

Laboratory Analytical Results

Radon test result report for:

**ROCK CREEK VALLEY ELEMENTARY SCHOOL
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11113535	A10	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.9 ± 0.3	2022-02-14
11113537	A11	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113532	A12	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.8 ± 0.3	2022-02-14
11113538	A14	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113524	A15	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113523	A15	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113520	A16	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113521	A16	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113514	A17	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113512	A18	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113511	A19	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113513	A4	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113507	A5 OT	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113519	A5A	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113510	A5B	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113522	A5C	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113515	A5D	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.7 ± 0.3	2022-02-14
11113508	A5E	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113516	A6	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113530	A7	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113529	A7	2022-02-07 @ 9:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113531	A8	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	1.0 ± 0.4	2022-02-14
11113509	A9	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	1.0 ± 0.4	2022-02-14
11113503	AP SPAUGH	2022-02-07 @ 8:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113536	B1	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.9 ± 0.4	2022-02-14
11113528	B1	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113572	B10	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113556	B11	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113561	B12	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113547	B13	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113557	B14	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113558	B14	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.8 ± 0.3	2022-02-14
11113573	B14A	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113565	B15	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.9 ± 0.3	2022-02-14
11113564	B16	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113563	B16	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.7 ± 0.3	2022-02-14
11113562	B17	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-15

Radon test result report for:

**ROCK CREEK VALLEY ELEMENTARY SCHOOL
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11113570	B18	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113539	B2	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113571	B20	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	1.0 ± 0.4	2022-02-14
11113546	B22	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113554	B22	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113527	B24	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113540	B24	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-15
11113545	B7	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113526	B8	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113518	B8	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113569	BUILDING SERVICE	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	1.2 ± 0.4	2022-02-14
11113505	BUXTON HEALTH ROOM	2022-02-07 @ 8:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113579	C 2	2022-02-07 @ 12:00 pm	2022-02-10 @ 11:00 am	< 0.3	2022-02-14
11113566	C13	2022-02-07 @ 12:00 pm	2022-02-10 @ 11:00 am	0.5 ± 0.3	2022-02-14
11113553	KITCHEN OFFICE	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113517	MEDIA CENTER	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	???? IF1	2022-02-14
11113525	MEDIA CENTER	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	< 0.3	2022-02-15
11113533	MEDIA PREP ROOM	2022-02-07 @ 10:00 am	2022-02-10 @ 11:00 am	0.6 ± 0.3	2022-02-14
11113555	PARAEDUCATOR SPACE	2022-02-07 @ 11:00 am	2022-02-10 @ 11:00 am	1.3 ± 0.3	2022-02-14
11113504	PRINCIPAL ROOM	2022-02-07 @ 8:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11113502	SORIA	2022-02-07 @ 8:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11113506	WORK ROOM	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14

EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCI Technologies, Inc. Job Number 204186

NOMINAL Conditions: Radon Conc 25.8 pCi/L Rel. Hum 50.1 % Temp. 70.9 F

Date Start: 2/18/22 Date Stop: 2/21/22 Date Start: _____ Date Stop: _____

Time Start: 0911 Time Stop: 0911 Time Start: _____ Time Stop: _____

Device No.'s: (3) Char Bags -
11113484, 1112998, 20107126 Device No.'s: _____

23 Right

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

**Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)
Background = 7 µR/h Elevation = 820 ft**

MCPS - Spike Sample Lab Results. Measured values are satisfactory, i.e., within $\pm 25\%$ of the chamber's reference value (25.7 pCi/L).

Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
11113484	2022-02-18	9:00 am	2022-02-21	9:00 am	71	OFFICE	MAIN	SK1		1	27.9
11122998	2022-02-18	9:00 am	2022-02-21	9:00 am	71	OFFICE	MAIN	SK2		1	26.0
20107126	2022-02-18	9:00 am	2022-02-21	9:00 am	71	OFFICE	MAIN	SK3		1	27.6



Radon Test Kit Chain of Custody

Project Name: MCPS Radon – February 2022 Schools

Name of Schools:

1. Lincoln Center
2. Wootton HS
3. Rockville HS
4. Richard Montgomery HS
5. Rocking Horse Rd. Center
6. Blair G. Ewing Center
7. Twinbrook ES
8. Rock Creek Valley ES
9. Luxmanor ES
10. Tilden MS

	Date	Initials
Radon Test Kits Deployed	02/07/2022	
Radon Test Kits Collected	02/10/2022	
Radon Test Kits Shipped to Lab*	02/10/2022	
Radon Test Kits Received by Lab*	02/14/2022	

*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759