



MCPS RADON TESTING – EXECUTIVE SUMMARY

Site Name	Rocky Hill Middle School
Date of Test Report	05/12/2022
Round of Testing	Initial <u>Follow-up</u> 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	<0.3 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: Rocky Hill Middle School
22401 Brick Haven Way
Clarksburg, MD 20871

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 Rocky Hill Middle School, located at 22401 Brick Haven Way, Clarksburg, MD 20871 (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 three (3) 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		
Rocky Hill MS RT		
Test Period: 03/22/2022 - 03/25/2022		
Kit Number	Room / Area	Result
11139295	171	< 0.3
11139298	171	< 0.3
11139299	171	< 0.3

Table 2- Radon Testing Results			
Rocky Hill MS RT			
Test Period: 03/22/2022 - 03/25/2022			
Kit Number	QC Type	Room / Area	Result
11139295	D	171	< 0.3
11139298	FB	171	< 0.3
11139902	OB	OFFICE BLANK	< 0.3
11139928	TB	TRAVEL BLANK	< 0.3

ATTACHMENT C

Laboratory Analytical Results

March 28, 2022

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11139295	171	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	< 0.3	2022-03-28
11139298	171	2022-03-22 @ 11:00 am	2022-03-25 @ 11:00 am	< 0.3	2022-03-28
11139299	171	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	Rocky Hill Middle 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	66
# Rooms \geq 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	1.8 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: Rocky Hill MS
22401 Brick Haven Way
Clarksburg, MD 20871

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 Rocky Hill MS, located at 22401 Brick Haven Way Clarksburg, MD 20871 (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 14, 2022 and deployed seventy six (76) 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 17, 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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- 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 20s and high temperatures ranged from the high 30s to the high 40s Fahrenheit. Maximum sustained winds ranged from 5-18 miles per hour. Average humidity was around 15% with 1.5 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,



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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		
Rocky Hill MS		
Test Period: 02/14/2022 - 02/17/2022		
Kit Number	Room / Area	Result
11122776	102	< 0.3
11122779	103	1.7
11122786	105	0.9
11122747	106	< 0.3
11122770	109	1.1
11122730	114	< 0.3
11122769	120	0.9
11122767	122	< 0.3
11122768	122	< 0.3
11122742	124	< 0.3
11122744	125	< 0.3
11122764	130	0.9
11122752	132	0.6
11122751	134	< 0.3
11122753	140	< 0.3
11122754	140	< 0.3
11122755	140	0.5
11122763	142	0.6
11122762	143	< 0.3
11122741	145	< 0.3
11122761	149	0.7
11122706	150	0.8
11122729	151	< 0.3
11122704	152	< 0.3
11122712	152	1.1
11122717	152	1.0
11122724	155	0.6
11122728	156	0.6
11122711	157	< 0.3
11122727	158	0.9
11122703	160	1.0
11122726	162	0.8
11122725	164	< 0.3
11122702	166	< 0.3
11122738	166	< 0.3
11122701	167	< 0.3
11122718	168	< 0.3
11122746	169	< 0.3
11122740	173	< 0.3
11122739	176	0.6
11122745	178	< 0.3
11122737	180	< 0.3

Table 1- Radon Testing Results		
Rocky Hill MS		
Test Period: 02/14/2022 - 02/17/2022		
Kit Number	Room / Area	Result
11122758	251	0.7
11122760	251	< 0.3
11122759	259	0.7
11122765	376	< 0.3
11122719	100A	< 0.3
11122720	100A	0.8
11122722	100C	< 0.3
11122721	100D	< 0.3
11122716	100E	0.7
11122713	100F	< 0.3
11122756	100G	< 0.3
11122705	100H	1.2
11122778	101D	< 0.3
11122735	101F	0.6
11122773	102A	< 0.3
11122780	103A	1.8
11122731	114A	< 0.3
11122732	114B	0.6
11122707	114D	< 0.3
11122708	114E	< 0.3
11122709	114F	< 0.3
11122710	114F	< 0.3
11122715	114H	< 0.3
11122734	140A	0.8
11122733	CAFETERIA	< 0.3
11122757	CAFETERIA	< 0.3
11122736	MAIN GYM	< 0.3
11122743	MAIN GYM	< 0.3
11122749	MAIN GYM	< 0.3
11122750	MAIN GYM	< 0.3
11122771	MAIN GYM	< 0.3
11122772	MAIN GYM	0.7
11122714	MAIN OFFICE	< 0.3
11122777	STAGE	< 0.3

Table 2- Radon Testing Results			
Rocky Hill MS			
Test Period: 02/14/2022 - 02/17/2022			
Kit Number	QC Type	Room / Area	Result
11122709	D	114f	< 0.3
11122717	D	152	1.0
11122704	FB	152	< 0.3
11122702	D	166	< 0.3
11122753	D	140	< 0.3
11122754	FB	140	< 0.3
11122767	D	122	< 0.3
11122771	D	Main gym	< 0.3
11122750	FB	Main gym	< 0.3
11122760	D	251	< 0.3
11107385	OB	OFFICE BLANK	< 0.3
11123161	TB	TRAVEL BLANK	< 0.3

ATTACHMENT C

Laboratory Analytical Results

Radon test result report for:**ROCKY HILL MS****1**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11122719	100A	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122720	100A	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	0.8 ± 0.4	2022-02-21
11122722	100C	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122721	100D	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122716	100E	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	0.7 ± 0.3	2022-02-21
11122713	100F	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122756	100G	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122705	100H	2022-02-14 @ 9:00 am	2022-02-17 @ 9:00 am	1.2 ± 0.3	2022-02-21
11122778	101D	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122735	101F	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	0.6 ± 0.3	2022-02-21
11122776	102	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122773	102A	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122779	103	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	1.7 ± 0.4	2022-02-21
11122780	103A	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	1.8 ± 0.4	2022-02-21
11122786	105	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	0.9 ± 0.3	2022-02-21
11122747	106	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122770	109	2022-02-14 @ 10:00 am	2022-02-17 @ 9:00 am	1.1 ± 0.4	2022-02-21
11122730	114	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122731	114A	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122732	114B	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	0.6 ± 0.3	2022-02-21
11122707	114D	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122708	114E	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122709	114F	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122710	114F	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122715	114H	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122769	120	2022-02-14 @ 10:00 am	2022-02-17 @ 9:00 am	0.9 ± 0.3	2022-02-21
11122767	122	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122768	122	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122742	124	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122744	125	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122764	130	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	0.9 ± 0.3	2022-02-21
11122752	132	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	0.6 ± 0.3	2022-02-21
11122751	134	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122753	140	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122755	140	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.5 ± 0.3	2022-02-21
11122754	140	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122734	140A	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.8 ± 0.3	2022-02-21

Radon test result report for:**ROCKY HILL MS****1**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11122763	142	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.6 ± 0.3	2022-02-21
11122762	143	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122741	145	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122761	149	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.7 ± 0.3	2022-02-21
11122706	150	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.8 ± 0.3	2022-02-21
11122729	151	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122717	152	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	1.0 ± 0.4	2022-02-21
11122712	152	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	1.1 ± 0.4	2022-02-21
11122704	152	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122724	155	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.6 ± 0.3	2022-02-21
11122728	156	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.6 ± 0.3	2022-02-21
11122711	157	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122727	158	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.9 ± 0.3	2022-02-21
11122703	160	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	1.0 ± 0.4	2022-02-21
11122726	162	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.8 ± 0.3	2022-02-21
11122725	164	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122738	166	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122702	166	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122701	167	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122718	168	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122746	169	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122740	173	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122739	176	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	0.6 ± 0.3	2022-02-21
11122745	178	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122737	180	2022-02-14 @ 10:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122760	251	2022-02-14 @ 11:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122758	251	2022-02-14 @ 11:00 am	2022-02-17 @ 8:00 am	0.7 ± 0.3	2022-02-21
11122759	259	2022-02-14 @ 11:00 am	2022-02-17 @ 8:00 am	0.7 ± 0.3	2022-02-21
11122765	376	2022-02-14 @ 11:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122733	CAFETERIA	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122757	CAFETERIA	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122772	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	0.7 ± 0.3	2022-02-21
11122771	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122736	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122750	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122743	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21
11122749	MAIN GYM	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21

February 21, 2022

**** LABORATORY ANALYSIS REPORT ****

Radon test result report for:

ROCKY HILL MS

1

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11122714	MAIN OFFICE	2022-02-14 @ 9:00 am	2022-02-17 @ 8:00 am	< 0.3	2022-02-21
11122777	STAGE	2022-02-14 @ 11:00 am	2022-02-17 @ 9:00 am	< 0.3	2022-02-21

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 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 - Device No.'s: _____

11113484, 1112998, 20107126 _____

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 μ R/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. Sherwood HS
2. Paint Branch HS
3. Clarksburg HS
4. Hallie Wells MS
5. Rocky Hill MS
6. Wilson Wims ES
7. John T. Baker MS
8. Clearspring ES
9. Damascus ES

	Date	Initials
Radon Test Kits Deployed	02/14/2022	
Radon Test Kits Collected	02/17/2022	
Radon Test Kits Shipped to Lab*	02/17/2022	
Radon Test Kits Received by Lab*	02/19/2022	

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