



**MCPS RADON TESTING – EXECUTIVE SUMMARY**

Site Name	Rocking Horse Road Center
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	129
# Rooms $\geq$ 4.0 pCi/L	0
Lowest Value	<0.3 pCi/L
Highest Value	1.7 pCi/L

Project Status:  
Initial testing completed; no further action needed.



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: Rocking Horse Road Center  
4910 Macon Rd.  
Rockville, MD 20852

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 Rocking Horse Road Center, located at 4910 Macon Rd. Rockville, MD 20852 (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](http://www.epa.gov/radon).

KCI visited the site on February 7, 2022 and deployed one hundred and forty eight (148) 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:

- Follow-up to initial testing.

These tests were conducted to:

- Evaluate radon concentration levels 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 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:

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

<b>Quality Control Samples</b>	
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		
Rocking Horse Rd. Center		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11114737	100	< 0.3
11114765	100	< 0.3
11107229	101	< 0.3
11107263	101	< 0.3
11114712	102	< 0.3
11114725	102	0.6
11114771	103	< 0.3
11114747	104	< 0.3
11114757	104	1.7
11114761	108	< 0.3
11114763	108	< 0.3
11114764	108	< 0.3
11107220	112	1.0
11107241	113	0.8
11107201	114	< 0.3
11107202	114	1.1
11107242	114	1.0
11107243	114	0.7
11107244	114	0.7
11107245	114	< 0.3
11107246	114	1.0
11107248	114	1.0
11107259	114	< 0.3
11107219	115	< 0.3
11107269	115	1.0
11107223	121	0.5
11107224	123	< 0.3
11107207	125	< 0.3
11107261	130	0.7
11107233	131	1.3
11107234	131	1.0
11114720	132	< 0.3
11114723	132	< 0.3
11114754	132	< 0.3
11114701	133	< 0.3
11114724	133	< 0.3
11114740	133	< 0.3
11114752	133	< 0.3
11114773	133	< 0.3
11114781	133	< 0.3
11114741	141	< 0.3
11114742	141	< 0.3



Table 1- Radon Testing Results		
Rocking Horse Rd. Center		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11114770	141	< 0.3
11114745	143	< 0.3
11114716	145	< 0.3
11114728	146	0.6
11114729	146	< 0.3
11114758	147	< 0.3
11114774	148	< 0.3
11114734	149	< 0.3
11114746	150	< 0.3
11114702	152	< 0.3
11114707	152	< 0.3
11114711	152	< 0.3
11114799	200	< 0.3
11114787	202	0.6
11107238	101A	< 0.3
11107230	101B	< 0.3
11107212	101C	< 0.3
11107221	101E	< 0.3
11114749	104A	0.6
11107208	104C	< 0.3
11107209	104D	< 0.3
11107211	104D	< 0.3
11114778	104D	< 0.3
11114738	104E	< 0.3
11114748	104F	< 0.3
11107210	104G	< 0.3
11114755	104H	< 0.3
11107247	112A	0.6
11107251	112A	0.7
11107252	112A	< 0.3
11107267	115B	0.7
11107260	115C	0.8
11107264	115D	0.9
11107205	115E	1.1
11107204	115F	< 0.3
11107203	115G	< 0.3
11107216	115J	0.6
11107215	115K	0.9
11107225	115K	0.8
11107249	115K	< 0.3
11107266	115L	0.9
11114788	115M	0.9

Table 1- Radon Testing Results		
Rocking Horse Rd. Center		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11107250	115N	0.9
11107240	115P	0.7
11107255	115Q	1.0
11107206	121A	< 0.3
11107253	121B	0.5
11107236	121C	0.6
11107228	121D	< 0.3
11107217	121E	< 0.3
11107218	121E	< 0.3
11107235	121E	< 0.3
11107227	121F	< 0.3
11107231	123A	< 0.3
11107226	123B	< 0.3
11107222	123C	0.5
11107232	123D	0.6
11107214	123E	< 0.3
11107239	123F	0.6
11107213	123G	< 0.3
11107271	130A	0.8
11107237	130B	< 0.3
11107265	130B	0.7
11107257	130C	< 0.3
11107258	130D	< 0.3
11107254	130E	< 0.3
11107262	130F	< 0.3
11114780	141A	0.8
11114779	141B	< 0.3
11114769	141C	< 0.3
11114756	141F	< 0.3
11114743	141G	< 0.3
11114730	142A	< 0.3
11114705	142B	0.5
11114733	142B	< 0.3
11114753	142B	0.8
11114721	142C	< 0.3
11114744	142D	< 0.3
11114766	145A	< 0.3
11114709	145B	< 0.3
11114710	145C	< 0.3
11114715	145C	0.5
11114708	145D	< 0.3
11114714	146 LOUNGE	< 0.3

Table 1- Radon Testing Results		
Rocking Horse Rd. Center		
Test Period: 02/7/2022 - 02/10/2022		
Kit Number	Room / Area	Result
11114717	146B	0.7
11114735	146C	1.3
11114736	146D	1.1
11114727	146F	0.5
11114732	146H	0.9
11114731	146J	0.6
11114706	146K	0.6
11114751	148A	< 0.3
11114762	148B	0.6
11114719	149A	< 0.3
11114750	149B	< 0.3
11114722	150A	< 0.3
11114718	150B	< 0.3
11114772	151A	< 0.3
11114713	151B	< 0.3
11114739	151C	< 0.3
11114703	152A	< 0.3
11114704	152B	< 0.3
11114760	153A	< 0.3
11114759	153B	< 0.3
11114794	205A	0.5
11114793	207A	< 0.3

Table 2- Radon Testing Results			
Rocking Horse Rd. Center			
Test Period: 02/7/2022 - 02/10/2022			
Kit Number	QC Type	Room / Area	Result
11107251	D	112A	0.7
11107252	FB	112A	< 0.3
11107202	D	114	1.1
11107215	D	115	0.9
11107249	FB	115	< 0.3
11107265	D	130b	0.7
11107218	D	121e	< 0.3
11107217	FB	121e	< 0.3
11107263	D	101	< 0.3
11107211	D	104d	< 0.3
11107209	FB	104d	< 0.3
11114741	D	141	< 0.3
11114742	FB	141	< 0.3
11114715	D	145c	0.5
11114702	D	152	< 0.3
11114707	FB	152	< 0.3
11114728	D	146	0.6
11114705	D	142b	0.5
11114733	FB	142b	< 0.3
11113481	OB	OFFICE BLANK	< 0.3
11113483	TB	TRAVEL BLANK	< 0.3



# ATTACHMENT C

## Laboratory Analytical Results

Radon test result report for:

**ROCKING HORSE RD CENTER**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11114737	100	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114765	100	2022-02-07 @ 10:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114712	102	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114725	102	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	0.6 ± 0.3	2022-02-14
11114771	103	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114757	104	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	1.7 ± 0.4	2022-02-14
11114747	104	2022-02-07 @ 10:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114749	104A	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	0.6 ± 0.4	2022-02-14
11107208	104C	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114778	104D	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107211	104D	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107209	104D	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114738	104E	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114748	104F	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107210	104G	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114755	104H	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114761	108	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114764	108	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114763	108	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11114788	115M	2022-02-07 @ 12:00 pm	2022-02-10 @ 9:00 am	0.9 ± 0.4	2022-02-14
11114720	132	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114754	132	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114723	132	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11114781	133	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114773	133	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114752	133	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11114724	133	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114740	133	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11114701	133	2022-02-07 @ 11:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11114742	141	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114770	141	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114741	141	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114780	141A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	0.8 ± 0.3	2022-02-14
11114779	141B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114769	141C	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114756	141F	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114743	141G	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14

Radon test result report for:

**ROCKING HORSE RD CENTER**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11114730	142A	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114753	142B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.8 ± 0.3	2022-02-14
11114733	142B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114705	142B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.5 ± 0.4	2022-02-15
11114721	142C	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114744	142D	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114745	143	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114716	145	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114766	145A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114709	145B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114710	145C	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114715	145C	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	0.5 ± 0.4	2022-02-15
11114708	145D	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114729	146	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114728	146	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11114714	146 LOUNGE	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114717	146B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.7 ± 0.3	2022-02-14
11114735	146C	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	1.3 ± 0.4	2022-02-14
11114736	146D	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	1.1 ± 0.4	2022-02-14
11114727	146F	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.5 ± 0.4	2022-02-15
11114732	146H	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.9 ± 0.4	2022-02-15
11114731	146J	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.6 ± 0.4	2022-02-14
11114706	146K	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11114758	147	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114774	148	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114751	148A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114762	148B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11114734	149	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114719	149A	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114750	149B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114746	150	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114722	150A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114718	150B	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114772	151A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114713	151B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114739	151C	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114702	152	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14



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February 15, 2022

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:

**ROCKING HORSE RD CENTER**

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
11114711	152	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114707	152	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114703	152A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114704	152B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114760	153A	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-15
11114759	153B	2022-02-07 @ 11:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114799	200	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11114787	202	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.6 ± 0.3	2022-02-14
11114794	205A	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	0.5 ± 0.3	2022-02-14
11114793	207A	2022-02-07 @ 12:00 pm	2022-02-10 @ 10:00 am	< 0.3	2022-02-14

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

Radon test result report for:

**ROCKING HORSE RD CENTER  
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11107263	101	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107229	101	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107238	101A	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107230	101B	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107212	101C	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107221	101E	2022-02-07 @ 10:00 am	2022-02-10 @ 8:00 am	< 0.3	2022-02-14
11107220	112	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.4	2022-02-14
11107247	112A	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.6 ± 0.3	2022-02-14
11107252	112A	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107251	112A	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-14
11107241	113	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.8 ± 0.3	2022-02-14
11107259	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107244	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-14
11107242	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.3	2022-02-14
11107246	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.4	2022-02-14
11107201	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107202	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.1 ± 0.3	2022-02-14
11107245	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107243	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-14
11107248	114	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.4	2022-02-14
11107269	115	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.4	2022-02-14
11107219	115	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107267	115B	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-14
11107260	115C	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.8 ± 0.4	2022-02-15
11107264	115D	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	0.9 ± 0.4	2022-02-14
11107205	115E	2022-02-07 @ 8:00 am	2022-02-10 @ 9:00 am	1.1 ± 0.4	2022-02-14
11107204	115F	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107203	115G	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11107216	115J	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.6 ± 0.4	2022-02-15
11107215	115K	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.9 ± 0.3	2022-02-14
11107225	115K	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.8 ± 0.3	2022-02-14
11107249	115K	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11107266	115L	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.9 ± 0.4	2022-02-15
11107250	115N	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.9 ± 0.4	2022-02-14
11107240	115P	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-15
11107255	115Q	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	1.0 ± 0.4	2022-02-14
11107223	121	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.5 ± 0.3	2022-02-14

Radon test result report for:

**ROCKING HORSE RD CENTER  
MAIN**

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11107206	121A	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107253	121B	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.5 ± 0.4	2022-02-14
11107236	121C	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.6 ± 0.3	2022-02-14
11107228	121D	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107217	121E	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107235	121E	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107218	121E	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-15
11107227	121F	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107224	123	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107231	123A	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107226	123B	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107222	123C	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.5 ± 0.4	2022-02-15
11107232	123D	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.6 ± 0.3	2022-02-14
11107214	123E	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107239	123F	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.6 ± 0.4	2022-02-14
11107213	123G	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107207	125	2022-02-07 @ 10:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11107261	130	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.3	2022-02-14
11107271	130A	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.8 ± 0.3	2022-02-14
11107237	130B	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107265	130B	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	0.7 ± 0.4	2022-02-15
11107257	130C	2022-02-07 @ 9:00 am	2022-02-10 @ 10:00 am	< 0.3	2022-02-14
11107258	130D	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107254	130E	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107262	130F	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	< 0.3	2022-02-14
11107233	131	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	1.3 ± 0.4	2022-02-14
11107234	131	2022-02-07 @ 9:00 am	2022-02-10 @ 9:00 am	1.0 ± 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**

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

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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

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### 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

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	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