



**MCPS RADON TESTING – EXECUTIVE SUMMARY**

Site Name	Sligo Middle School
Date of Test Report	5/11/2022
Round of Testing	Initial Follow-up Post Remediation 2 Year Testing 5 Year Testing HVAC Upgrade Window Replacement New Addition New Facility
# Rooms Tested	102
# Rooms ≥ 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



May 11, 2022

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

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

Location: Sligo Middle School  
1401 Dennis Ave.  
Silver Spring, MD 20902

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 Sligo Middle School, located at 1401 Dennis Ave. Silver Spring, MD 20902 (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 March 15, 2022 and deployed one hundred seventeen (117) 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 March 18, 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 post-mitigation biennial testing.

These tests were conducted to:

- Confirm the success of the mitigation system(s).

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 20s and high temperatures ranged from the mid 70s to the high 50s Fahrenheit. Maximum sustained winds ranged from 0-32 miles per hour. Average humidity was around 61% 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	

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		
Sligo MS		
Test Period: 03/15/2022 - 03/18/2022		
Kit Number	Room / Area	Result
11139643	13	1.2
11139645	15	0.7
11139608	17	1.0
11139606	19	0.6
11139607	21	1.1
11139635	22	0.6
11139642	23	0.5
11139646	24	< 0.3
11139647	24	< 0.3
11139636	25	< 0.3
11139644	26	< 0.3
11139640	27	< 0.3
11139662	28	< 0.3
11139663	29	< 0.3
11139654	31	< 0.3
11139205	100	< 0.3
11139229	101	< 0.3
11139204	102	0.5
11139225	103	< 0.3
11139209	104	< 0.3
11139218	105	< 0.3
11139219	105	< 0.3
11139231	105	< 0.3
11139227	106	0.7
11139220	107	0.6
11139228	108	< 0.3
11139230	109	< 0.3
11139688	110	0.6
11139699	111	< 0.3
11139687	112	1.2
11139691	112	1.4
11139700	113	0.8
11139679	114	1.2
11139689	115	0.6
11139680	116	1.7
11139683	117	0.6
11139652	118	1.3
11139653	118	0.7
11139657	118	1.2
11139676	119	< 0.3
11139671	120	< 0.3
11139678	121	0.6



Table 1- Radon Testing Results		
Sligo MS		
Test Period: 03/15/2022 - 03/18/2022		
Kit Number	Room / Area	Result
11139672	122	0.6
11139656	123	< 0.3
11139673	124	< 0.3
11139655	125	< 0.3
11139665	125	< 0.3
11139669	126	< 0.3
11139682	127	0.6
11139667	128	< 0.3
11139670	129	< 0.3
11139666	130	< 0.3
11139674	131	< 0.3
11139675	131	< 0.3
11139677	131	< 0.3
11139681	132	< 0.3
11139242	217	0.7
11139251	218	0.7
11139641	022A	< 0.3
11139661	027A	< 0.3
11139214	101 CR	0.6
11139223	101A	0.7
11139217	101B	0.7
11139232	101C	< 0.3
11139210	101D	< 0.3
11139221	102 CR	< 0.3
11139222	102 CR	< 0.3
11139697	111A	< 0.3
11139686	111B	< 0.3
11139693	111B	< 0.3
11139696	111B	< 0.3
11139692	113A	0.7
11139690	113B	0.6
11139249	ADMINISTRATIVE SECRETARY OFFICE	< 0.3
11139253	ASSISTANT PRINCIPAL OFFICE	< 0.3
11139259	ASSISTANT PRINCIPAL OFFICE	< 0.3
11139639	BLDG SERVICES OFFICE	1.4
11139207	BOYS LOCKER ROOM	0.7
11139208	BOYS PE OFFICE	0.9
11139206	CAFETERIA	0.8
11139211	CAFETERIA	0.6
11139649	COMMUNICATION CENTER	0.6
11139202	DANCE STUDIO	< 0.3
11139226	DANCE STUDIO	< 0.3

Table 1- Radon Testing Results		
Sligo MS		
Test Period: 03/15/2022 - 03/18/2022		
Kit Number	Room / Area	Result
11139213	FINANCE OFFICE	< 0.3
11139216	GIRLS LOCKER ROOM	0.7
11139234	GIRLS PE OFFICE	0.6
11139241	GO 1	< 0.3
11139256	GO 2	< 0.3
11139260	GO 3	< 0.3
11139246	GO 4	< 0.3
11139203	GO CR	0.6
11139245	GUIDANCE OFFICE	< 0.3
11139255	GUIDANCE OFFICE	< 0.3
11139258	GUIDANCE OFFICE	< 0.3
11139233	GYM	0.7
11139236	GYM	0.9
11139239	HEALTH OFFICE	< 0.3
11139240	HEALTH ROOM	< 0.3
11139212	KITCHEN OFFICE	0.8
11139648	LOWER LEVEL LOUNGE	0.6
11139698	M-1	0.6
11139685	M-2	0.7
11139694	M-2 OFFICE	0.7
11139250	MAIN OFFICE	< 0.3
11139252	MAIN OFFICE CONFERENCE ROOM	< 0.3
11139254	MAIN OFFICE CONFERENCE ROOM	< 0.3
11139658	MEDIA CENTER	0.6
11139660	MEDIA CENTER	0.7
11139650	MEDIA CENTER WORK ROOM	0.5
11139651	MEDIA SPECIALIST OFFICE	0.7
11139224	PE 2 WEIGHT ROOM	0.6
11139257	PRINCIPAL OFFICE	< 0.3
11139248	STAFF WORK ROOM	< 0.3
11139664	STAFF WORK ROOM	< 0.3
11139684	TEAM ROOM B	0.9
11139668	TEAM ROOM C	< 0.3

Table 2- Radon Testing Results			
Sligo MS			
Test Period: 03/15/2022 - 03/18/2022			
Kit Number	QC Type	Room / Area	Result
11139646	D	24	< 0.3
11139652	D	118	1.3
11139653	FB	118	0.7
11139665	D	125	< 0.3
11139675	D	131	< 0.3
11139677	FB	131	< 0.3
11139691	D	112	1.4
11139693	D	111B	< 0.3
11139686	FB	111B	< 0.3
11139226	D	Dance Studio	< 0.3
11139231	D	105	< 0.3
11139218	FB	105	< 0.3
11139222	D	102 CR	< 0.3
11139255	D	Guidance Office	< 0.3
11139245	FB	Guidance Office	< 0.3
11138953	OB	OFFICE BLANK	< 0.3
11138945	TB	TRAVEL BLANK	< 0.3



# ATTACHMENT C

## Laboratory Analytical Results

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11139643	013	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	1.2 ± 0.3	2022-03-21
11139645	015	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	0.7 ± 0.3	2022-03-21
11139608	017	2022-03-15 @ 9:00 am	2022-03-18 @ 12:00 pm	1.0 ± 0.3	2022-03-21
11139606	019	2022-03-15 @ 9:00 am	2022-03-18 @ 12:00 pm	0.6 ± 0.3	2022-03-21
11139607	021	2022-03-15 @ 9:00 am	2022-03-18 @ 12:00 pm	1.1 ± 0.3	2022-03-21
11139635	022	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	0.6 ± 0.3	2022-03-21
11139641	022A	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139642	023	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	0.5 ± 0.3	2022-03-21
11139646	024	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139647	024	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139636	025	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139644	026	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139640	027	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139661	027A	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139662	028	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139663	029	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139654	031	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139205	100	2022-03-15 @ 2:00 pm	2022-03-18 @ 12:00 pm	< 0.3	2022-03-21
11139229	101	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139214	101 CR	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139223	101A	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139217	101B	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139232	101C	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139210	101D	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139204	102	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	0.5 ± 0.3	2022-03-21
11139221	102 CR	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139222	102 CR	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139225	103	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139209	104	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139231	105	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139218	105	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139219	105	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139227	106	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139220	107	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139228	108	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139230	109	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139688	110	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11139699	111	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139697	111A	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139693	111B	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139686	111B	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139696	111B	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139687	112	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	1.2 ± 0.3	2022-03-21
11139691	112	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	1.4 ± 0.3	2022-03-21
11139700	113	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.8 ± 0.3	2022-03-21
11139692	113A	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.7 ± 0.3	2022-03-21
11139690	113B	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139679	114	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	1.2 ± 0.3	2022-03-21
11139689	115	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139680	116	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	1.7 ± 0.3	2022-03-21
11139683	117	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139657	118	2022-03-15 @ 10:00 am	2022-03-18 @ 10:00 am	1.2 ± 0.3	2022-03-21
11139652	118	2022-03-15 @ 10:00 am	2022-03-18 @ 10:00 am	1.3 ± 0.3	2022-03-21
11139653	118	2022-03-15 @ 10:00 am	2022-03-18 @ 10:00 am	0.7 ± 0.3	2022-03-21
11139676	119	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139671	120	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139678	121	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139672	122	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139656	123	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139673	124	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139665	125	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139655	125	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139669	126	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139682	127	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139667	128	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139670	129	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139666	130	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139675	131	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139674	131	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139677	131	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139681	132	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139242	217	2022-03-15 @ 3:00 pm	2022-03-18 @ 12:00 pm	0.7 ± 0.3	2022-03-21
11139251	218	2022-03-15 @ 3:00 pm	2022-03-18 @ 12:00 pm	0.7 ± 0.3	2022-03-21
11139249	ADMINISTRATIVE SECRETARY OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21

Radon test result report for:

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
11139259	ASSISTANT PRINCIPAL OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139253	ASSISTANT PRINCIPAL OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139639	BLDG SERVICES OFFICE	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	1.4 ± 0.3	2022-03-21
11139207	BOYS LOCKER ROOM	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139208	BOYS PE OFFICE	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.9 ± 0.3	2022-03-21
11139211	CAFETERIA	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139206	CAFETERIA	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	0.8 ± 0.3	2022-03-21
11139649	COMMUNICATION CENTER	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139202	DANCE STUDIO	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139226	DANCE STUDIO	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139213	FINANCE OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 9:00 am	< 0.3	2022-03-21
11139216	GIRLS LOCKER ROOM	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139234	GIRLS PE OFFICE	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139241	GO 1	2022-03-15 @ 3:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139256	GO 2	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139260	GO 3	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139246	GO 4	2022-03-15 @ 3:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139203	GO CR	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139255	GUIDANCE OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139258	GUIDANCE OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139245	GUIDANCE OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	< 0.3	2022-03-21
11139236	GYM	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.9 ± 0.3	2022-03-21
11139233	GYM	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139239	HEALTH OFFICE	2022-03-15 @ 3:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139240	HEALTH ROOM	2022-03-15 @ 3:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139212	KITCHEN OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 11:00 am	0.8 ± 0.3	2022-03-21
11139648	LOWER LEVEL LOUNGE	2022-03-15 @ 10:00 am	2022-03-18 @ 12:00 pm	0.6 ± 0.3	2022-03-21
11139698	M-1	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139685	M-2	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139694	M-2 OFFICE	2022-03-15 @ 12:00 pm	2022-03-18 @ 11:00 am	0.7 ± 0.3	2022-03-21
11139250	MAIN OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139252	MAIN OFFICE CONFERENCE ROOM	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139254	MAIN OFFICE CONFERENCE ROOM	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139660	MEDIA CENTER	2022-03-15 @ 10:00 am	2022-03-18 @ 10:00 am	0.7 ± 0.3	2022-03-21
11139658	MEDIA CENTER	2022-03-15 @ 10:00 am	2022-03-18 @ 10:00 am	0.6 ± 0.3	2022-03-21
11139650	MEDIA CENTER WORK ROOM	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.5 ± 0.3	2022-03-21
11139651	MEDIA SPECIALIST OFFICE	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	0.7 ± 0.3	2022-03-21



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March 22, 2022

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

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Radon test result report for:

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
11139224	PE 2 WEIGHT ROOM	2022-03-15 @ 1:00 pm	2022-03-18 @ 11:00 am	0.6 ± 0.3	2022-03-21
11139257	PRINCIPAL OFFICE	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139248	STAFF WORK ROOM	2022-03-15 @ 2:00 pm	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139664	STAFF WORK ROOM	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21
11139684	TEAM ROOM B	2022-03-15 @ 12:00 pm	2022-03-18 @ 10:00 am	0.9 ± 0.3	2022-03-21
11139668	TEAM ROOM C	2022-03-15 @ 11:00 am	2022-03-18 @ 10:00 am	< 0.3	2022-03-21

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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  $\mu$ R/h Elevation = 820 ft

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March 30, 2022

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

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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).

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<b>Kit #</b>	<b>Room Id</b>	<b>Started</b>	<b>Ended</b>	<b>pCi/L</b>	<b>Analyzed</b>
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

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### Radon Test Kit Chain of Custody

Project Name: MCPS Radon – March 2022 Schools

Name of Schools:

1. Singer, Flora M. ES
2. Sligo MS
3. Spring Mill Center
4. Fairland ES
5. Bel Pre ES
6. Shriver, Sargent ES
7. Strathmore ES
8. Viers Mill ES
9. Piney Branch ES

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	Date	Initials
Radon Test Kits Deployed	03/15/2022	BMM
Radon Test Kits Collected	03/18/2022	BMM
Radon Test Kits Shipped to Lab*	03/18/2022	Bell
Radon Test Kits Received by Lab*	03/20/2022	BMM

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